ActivEX Limited ABN 11 113 452 896



PROSPECT CREEK PROJECT

Target Generating Research Project

EPM 14121

INDUSTRY NETWORK INITIATIVE
Under the Smart Mining – Future Prosperity Program

FINAL REPORT

MAY 2010

BY

J.J. HUGENHOLTZ, K.S. CAMUTI,
J.E. HARVEY, R.D. LENNINGS

PRIVATE AND CONFIDENTIAL
NOT TO BE COPIED OR DISTRIBUTED

DISTRIBUTION:
Department of Mines and Energy, Brisbane
ActivEX Limited, Brisbane

Registered Office
117 Quay St
Brisbane, QLD, 4000
Telephone: 07 3236 4188
Facsimile: 07 3236 4288

TABLE OF CONTENTS

1 SUMMARY 1
2 INTRODUCTION 2
2.1 PROJECT OBJECTIVES 2
2.2 LOCATION AND ACCESS 2
2.3 GEOLOGICAL SETTING 2
2.4 GEOPHYSICS AND ASTER DATA SOURCES 3
2.5 ANALYTICAL TECHNIQUES 3
3 SAMPLES 5
3.1 SOIL SAMPLES 5
3.2 FIELD NITON LINE 5
3.3 ORIENTATION LINE 6
3.4 RC DRILL PULPS 6
4 NITON METHODOLOGY 8
4.1 NITON HAND-HELD XRF 8
4.2 NITON PROCEDURE 8
4.3 NITON ANALYSIS 9
4.4 ORIENTATION LINE 9
4.5 LABORATORY ANALYSIS 12
5 ELEMENT COMPARISONS 13
5.1 ORIENTATION LINE 13
5.2 ORIENTATION LINE COMPARISON CHARTS 14
5.3 BULK SAMPLES 15
5.4 COMPARISON CHARTS 16
5.5 SOIL PULPS 17
5.6 DRILL PULPS 17
5.7 DRILL PULP COMPARISON CHARTS 18
5.8 COMPARISON CONCLUSIONS 18
6 STATISTICS 20
6.1 ARITHMETIC AND GEOMETRIC MEAN 20
6.2 STANDARD DEVIATION 25
6.3 COEFFICIENT OF VARIATION 25
6.4 SKEWNESS 26
6.5 KURTOSIS 27
6.6 STATISTICS CONCLUSIONS 29
7 DUPLICATE SAMPLE SITES 30

8 SAMPLING DENSITY 33
9 SWIR REFLECTANCE SPECTRAL STUDY 34
9.1 ANALYTICAL METHODS 34
9.1.1 PIMA Infrared Reflectance Spectroscopy *34*
9.1.2 X-Ray Diffraction *34*
9.2 SAMPLE TYPES 35
9.3 SPECTRAL RESULTS 37
9.3.1 Sample Types and Data Quality *37*
9.3.2 Alteration Assemblages *38*
9.3.3 Distribution of Alteration *40*
9.4 ALTERATION AND SOIL GEOCHEMISTRY 43
9.5 ALTERATION AND AEROMAGNETICS 51
9.6 ALTERATION AND ASTER IMAGERY 51
10 DISCUSSION 54
11 CONCLUSIONS AND FURTHER WORK 58
12 REFERENCES 59

LIST OF FIGURES

Figure 1 Location of ActivEX Tenement EPM 14121
Figure 2 Gossans West prospect, sample location plan
Figure 3 Comparison of arithmetic and geometric means for copper
Figure 4 Comparison of arithmetic and geometric means for molybdenum
Figure 5 Comparison of arithmetic and geometric means for arsenic
Figure 6 Comparison of arithmetic and geometric means for lead
Figure 7 Comparison of arithmetic and geometric means for iron
Figure 8 Coefficient of Variation against sample type plot
Figure 9 Plot of skewness against sample type
Figure 10 Histogram for molybdenum laboratory assays
Figure 11 Histogram for Niton field results – copper
Figure 12 Kurtosis for all populations
Figure 13 Duplicate samples location plan
Figure 14 PIMA sample location plan
Figure 15 Soil sample types - stacked spectra plot
Figure 16 Distribution of mineral assemblages in PIMA soil samples
Figure 17 Gridded mineral assemblages in PIMA soil samples
Figure 18 Cu-Mo-Au contours over alteration (lab data)
Figure 19 As, Hg, Sb contours over alteration (lab data)
Figure 20 Comparison of Cu contours – lab & Niton
Figure 21 Comparison of Mo contours – lab & Niton
Figure 22 Comparison of As contours – lab & Niton
Figure 23 Alteration outlines overlain on RTP magnetic data
Figure 24 Magnetic features (circular, linear), mineralisation trends, As on RTP magnetics
Figure 25 Spatial relationships in a porphyry environment
Figure 26 Linear features overlain on Google image

LIST OF TABLES

Table 1 Summary of comparison data

Table 2 Sample element data

Table 3 List of sample populations for statistics

Table 4 Niton readings as percentage differences for duplicate soil samples

Table 5 Laboratory assays as percentage difference for duplicate soil samples

Table 6 Mineral assemblages and characteristic minerals in soil samples

Table 7 Maximum metal values in soil samples

Table 8 Generalised spatial relationships between alteration and metals in soils

LIST OF APPENDICES

Appendix 1 Sample location data

Appendix 2 Analytical data

- **Appendix 2.1** Cockatoo Ridge, soil orientation line, -2mm+20# fraction
- **Appendix 2.2** Cockatoo Ridge, soil orientation line, -20+80# fraction
- **Appendix 2.3** Cockatoo Ridge, soil orientation line, -80# fraction
- **Appendix 2.4** Cockatoo Ridge, soil orientation line, bulk samples, 180 second readings
- **Appendix 2.5** Cockatoo Ridge, bulk soil samples
- **Appendix 2.6** Gossans West regional soil samples
- **Appendix 2.7** Oasis Ridge, RC drillhole GOWH01

Appendix 3 Element charts, comparison of assay and Niton values

- **Appendix 3.1** Cockatoo Ridge, soil orientation line
- **Appendix 3.2** Cockatoo Ridge, bulk soil samples
- **Appendix 3.3** Oasis Ridge, RC drillhole GOWH01

Appendix 4 Element plots over PIMA alteration grid

Appendix 5 Regional element plots

Appendix 6 Summary statistics

Appendix 7 XRD mineralogy

1 SUMMARY

ActivEX Limited was granted funding under the Industry Network Initiative of the Smart Mining – Future Prosperity Program to complete research on its Gossans West prospect, which is a part of the Prospect Creek Project.

The research was conducted using hand-held XRF, PIMA spectroscopy, XRD and laboratory analysis techniques to analyse soil samples, dominantly collected from the Cockatoo Ridge and Oasis Ridge alteration pipes, located within the Gossans West prospect. The study of the Gossans West prospect has proven to be both useful and effective.

The hand-held XRF was shown to be a reliable tool in early exploration of an altered environment and one which can reduce the need for high laboratory costs in the early stages of exploration. The device cannot and should not replace the role of laboratory assays entirely, but it can significantly refine an area of interest before laboratory testing is required.

Mineralogical data gathered from PIMA have shown infrared spectral analysis to be a useful and cost-effective technique for identifying and characterising alteration assemblages in soil samples. The combination of hand-held XRF and PIMA techniques has been shown to effectively provide a relatively low cost exploration methodology in a greenfields environment.

The application of these exploration techniques has provided an improved understanding of the mineralisation and alteration of the area, by successfully identifying areas of intense alteration, delineating alteration zoning, and identifying spatial relationships between anomalous metals and alteration.

The PIMA study identified low pH mineral assemblages at both Cockatoo Ridge and Oasis Ridge, and the soil geochemical study demonstrated a close spatial relationship between the low pH assemblages and anomalous arsenic and antimony. The mineralogy and spatial relationships of the low pH alteration assemblages at Cockatoo Ridge and Oasis Ridge are consistent with advanced argillic alteration. The areas of advanced argillic alteration that characterise these two prospects possibly represent erosional remnants of porphyry-related lithocaps formed by pervasive acid alteration of permeable volcanic units. The spatial association of elevated As and Sb with advanced argillic alteration may be due to weakly developed high sulphidation mineralisation, or may indicate an overprinting low sulphidation epithermal event.

Areas of anomalous Mo in soils, and the recognition of illite and smectite assemblages marginal to the zones of advanced argillic alteration, associated with elevated Cu and local weakly anomalous Au, suggests there may be potential for deeper porphyry-related mineralisation peripheral to the possible lithocaps.

The geochemical data from both laboratory assays and the hand-held XRF, and the mineralogical data from the PIMA, have confirmed that Cockatoo Ridge and Oasis Ridge have geochemical and alteration signatures consistent with porphyry-related alteration and mineralisation. The study has promoted further development of a model for mineralisation and successfully generated new exploration ideas and approaches. Porphyry deposits are not currently recognised within the Camboon belt. If this study is successful in leading to the identification of porphyry mineralisation, the potential to expand the exploration frontiers in this region is significant.

2 INTRODUCTION

2.1 PROJECT OBJECTIVES

The primary objective of this research was to develop an exploration methodology using exploration techniques which are relatively new to greenfields exploration. Through the application of these techniques we aimed to develop a methodology which can vastly improve the knowledge base of a project at the greenfields level, at a relatively low cost to mineral explorers.

The proposed study area is thought to be highly prospective for porphyry and epithermal style targets as it contains several sizeable areas where hydrothermal alteration has been identified but a mineralised source is yet to be located. The research project is also designed to utilise results from PIMA spectroscopy and hand-held XRF in order to increase the understanding of the mineralisation and alteration present in the project and refine drill targeting.

2.2 LOCATION AND ACCESS

Research for this project was carried out within the Prospect Creek Project (EPM 14121) in southeast Queensland. Work focused on the Gossans West prospect (Figure 1).

EPM 14121 was granted as a 100 sub-block EPM to Findex Pty Ltd on 3 August 2005 for a period of 5 years. The title was later transferred to ActivEX Limited (which at that time was a wholly owned subsidiary of Findex). The EPM currently consists of 50 sub-blocks.

The project area is located approximately 20km from the major rural centre of Biloela in southeast Queensland which lies 130km south of Rockhampton. The tenement lies in the western portion of the Monto 1:250,000 sheet area and is centred on longitude $150^0$22’ E and latitude $24^0$32’ S.

The area is pastoral land and forest, utilised predominantly for cattle grazing and is accessed by secondary bitumen roads and station tracks. The area is well serviced by road, rail, water, and electricity infrastructure smoothing the development path should discoveries be made.

2.3 GEOLOGICAL SETTING

The geological units within the EPM are part of the Auburn Arch surrounded by early Bowen Basin arc extension rift zone and later sag phase sedimentary sequences which have been termed the Gogango Overfold Zone.

The arch forms resistant hills of the Banana Range mainly due to the silicic nature of the dacitic and rhyolitic Torsdale Beds which forms a broad, faulted anticlinal structure. The Glandore Granodiorite intrudes the Torsdale Beds occupying the axial portion of the structure.

The arch is flanked by Camboon Andesite which forms subdued topography. The andesite progresses easterly from terrestrial to marine and is made up of a sequence of andesitic and basaltic lavas, agglomerates and tuffs, with minor trachyte, sandstone, mudstone, siltstone and volcanic conglomerate. On the western flank, the Camboon Andesite unconformably overlies the Torsdale Beds. The eastern flank contact with the Camboon Andesite is not clearly defined in most areas but there is a significant topographic change suggesting faulting.

Major faults trend NW to NNW through the project area, most notably the Mt Bertha, Barfield and Drumberle Faults. The Mt Bertha and Drumberle Faults are thought to be high angle reverse faults related to thrusting developed in the Gogango Overfold Zone immediately to the east. They are upthrown to the northwest. The Mt Bertha Fault forms the contact between the Glandore

Granodiorite and the Camboon Andesite in the southwest of the project area. Northeast trending cross faults are also evident in the area.

Gossans West is the project area for University of Queensland Honours student, Rhys Lennings. Rhys is undertaking a detailed study of the area, including alteration and structural mapping.

2.4 GEOPHYSICS AND ASTER DATA SOURCES

CRAE flew a helimag survey (Survey Number 846) over the Gossans West prospect area in 1995. It was flown on 100m line spacing at 80m flight height and covered a larger area than the ActivEX Gossans West prospect. The survey was purchased from GeoImage, Brisbane.

Andrew Mutton from GeoDiscovery Group reprocessed the geophysical data after windowing out the eastern part of the survey. This was done to remove more highly magnetic data to the SW of the Mt Bertha Fault, so as to highlight more subtle anomalies in the Gossans West area.

Andrew re-gridded the data and produced several new images of the area, including RTP (reduced to pole), RTP trend enhanced, 1VD (first vertical derivative), TDR (tilt derivative, a combination of horizontal and vertical derivatives, mainly designed to enhance the shallow structural patterns), and ANSIG (analytic signal, often used in preference to RTP to enhance discrete anomalies).

ActivEX purchased ASTER Level 2 scenes from Geoimage, who also completed ortho-rectification and spectral processing of the data to highlight various mineral assemblages.

2.5 ANALYTICAL TECHNIQUES

Ground based spectral reflectance techniques (e.g. PIMA, ADS, HyLogger) are generally not applied in an exploration program, in a comprehensive and systematic manner, until mineralisation has already been defined, as an aid to further refine the geological knowledge of the deposit. ActivEX Limited has tested the use of systematic reflectance spectroscopy in targeting mineralisation within a large area of encouraging alteration.

ActivEX Limited had already applied both hand-held XRF and PIMA techniques to the Prospect Creek Project on a small-scale, and found results from both techniques to be encouraging. However, a broader more project-scale approach was applied to fully explore the potential of these techniques and to optimise their applications.

These objectives were met by conducting:

- PIMA spectroscopy and Niton hand-held XRF analysis of soil samples, and limited analysis of rock chip samples and RC drill chips, collected during the life of the tenement. Analysis was conducted on both fresh samples and sample pulps.
- Statistical analysis of Niton data to determine the optimal settings and techniques for the instrument in an advanced argillic alteration system.
- Follow up soil sampling of outcropping alteration pipes and low lying soil covered areas between these pipes.
- PIMA spectroscopy and Niton hand-held XRF analysis of these follow up soils.
- Correlation of results from PIMA spectroscopy and Niton hand-held XRF analysis, along with data from more traditional exploration tools to evaluate the prospect.

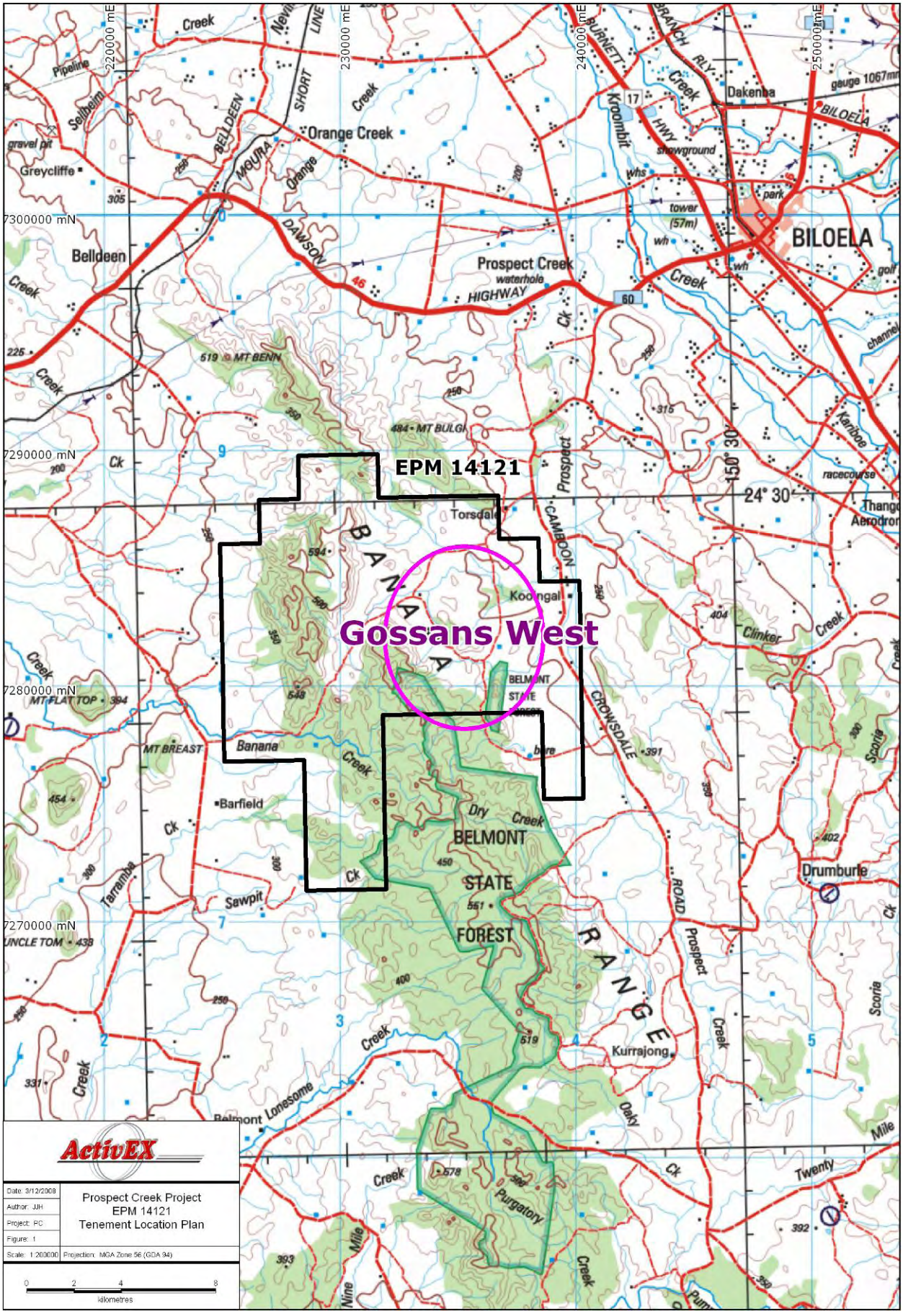


Figure 1 Tenement location map showing location of the Gossans West prospect

3 SAMPLES

The Gossans West prospect comprises several alteration pipes, however the focus of this study has been the larger Cockatoo Ridge and Oasis Ridge pipes.

The majority of samples used in this study consist of soil samples, although analysis of pulps from previous RC drill holes was also conducted. PIMA analysis had been carried out on some rock chip samples in an earlier small-scale study and this information was used in developing the current project.

A complete list of samples and their location data are contained in Appendix 1.

3.1 SOIL SAMPLES

All soil samples collected from the Prospect Creek Project are bulk soil samples, consisting of 2-3kg of material. This practice was initially adopted to ensure consistency of sample type with CRAE samples previously collected at the Prairie Creek prospect (also part of the Prospect Creek Project). Samples sites were recorded by a hand-held GPS with a typical accuracy of $\pm$ 3 to 5m.

Regional soil sampling in 2007 consisted of 321 bulk samples collected at 50m spacings along three E-W lines and three N-S lines. The E-W lines were 1km apart and the N-S lines were 1.4km apart to achieve the best coverage of both outcropping and soil covered areas, especially in areas not previously covered by ActivEX sampling. As these samples were collected before the Company purchased the hand held Niton analyser, the samples were sent immediately to ALS Chemex for analysis. The laboratory results highlighted the southern portion of the Cockatoo Ridge area as being anomalous in As, Mo, Pb, Bi, Sb, Se and Te. Niton and PIMA testing of these samples were carried out on the pulps supplied by ALS Chemex.

In early 2009, as follow up to the encouraging regional soils, 464 bulk soil samples were collected from Cockatoo Ridge. These samples were collected at 25m spacings along nine E-W lines and two N-S lines. Lines were spaced 200m apart in the northern section of the alteration pipe, with spacing reduced to 100m and 50m closer to the original 2007 soil line.

Samples were collected with the intention of taking Niton readings on all samples and then sending anomalous samples for laboratory analysis.

A further 308 bulk soil samples were collected during November 2009, in order to gain a more detailed coverage of the pipe. These samples were again collected at 25m spacings along seven E-W lines. The infill sampling was also intended to establish an appropriate sample density over an alteration pipe for future exploration.

3.2 FIELD NITON LINE

During the November 2009 field campaign, a line of Niton readings were taken along the original regional soil line, in the area covering the Cockatoo Ridge pipe.

Site preparation was limited to clearing the ground of leaf litter or other loose material and then lightly compacting the soil by foot. Readings were taken at 20 metre intervals and the site recorded by GPS. A standard 90-second reading was taken at each site.

3.3 ORIENTATION LINE

On completion of the second soil program over Cockatoo Ridge, the line of soils immediately to the north of the original regional soil line was selected as an orientation line. Given the anomalous Mo and other elements returned from the regional line, it was felt that the selected line of samples should contain the best range of anomalous values.

The orientation line consisted of 43 samples (PCN087 - PCN129) which were collected in the first field campaign. Each sample was sieved into three fractions: -2mm+20#, -20+80#, and -80#. Each sieve fraction was placed in a sealable plastic sandwich bag. Once all Niton testing of the fractions were complete, the fractions were reintegrated into the original calico sample bag, prior to being sent to ALS Chemex for analysis.

3.4 RC DRILL PULPS

In early 2008, six RC drill holes were drilled at the Gossans West prospect. Two of these holes were drilled at Oasis Ridge. GOWH01 was drilled to 157m and GOWH02 was drilled to 120m. A total of 117 x 2m composite samples and 43 x 1m samples from the two holes were assayed at that time. The pulps from GOWH01 were used as part of the Niton testing, although only the first 60m was analysed due to time constraints.

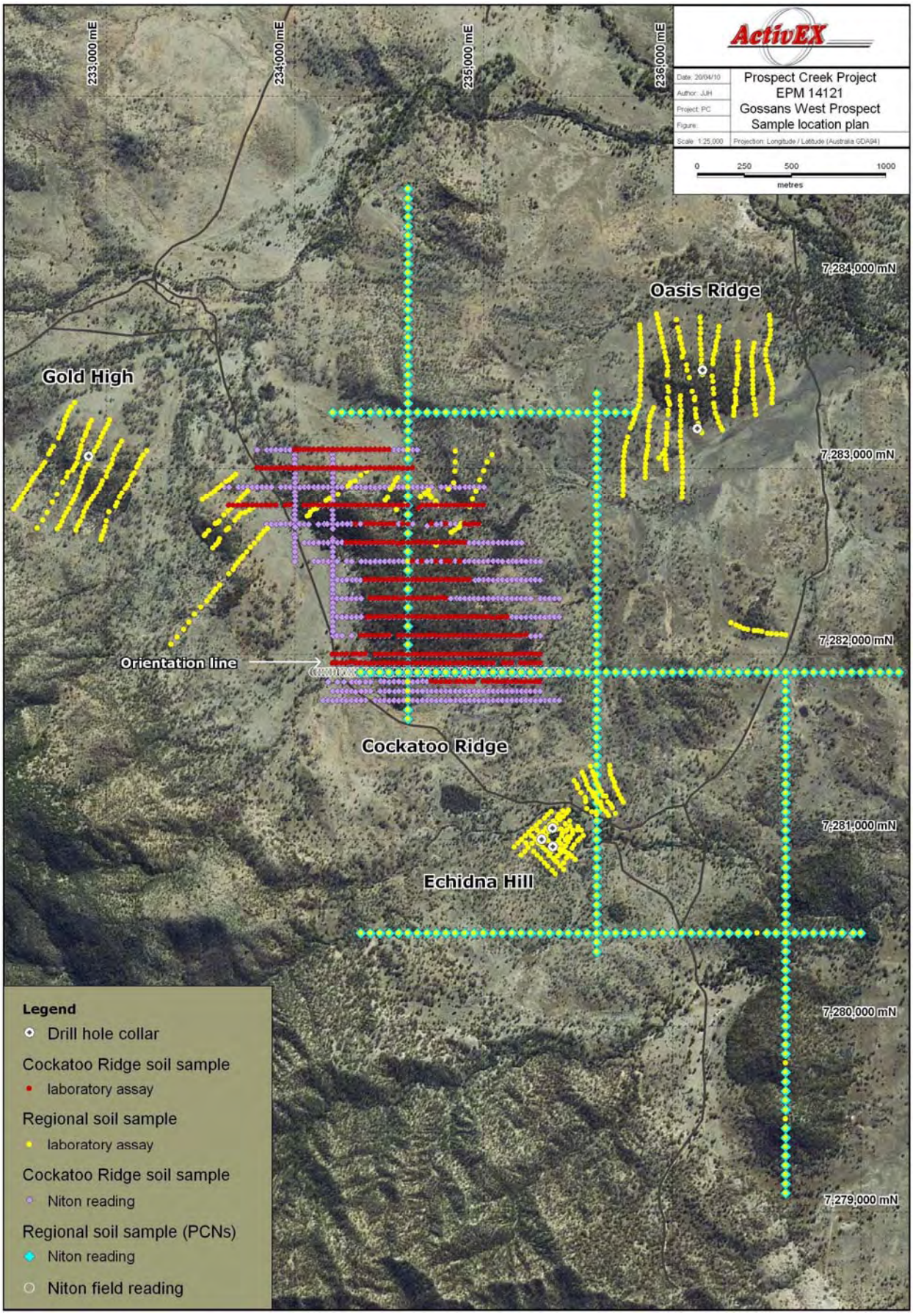


Figure 2 Gossans West prospect – sample location plan

4 NITON METHODOLOGY

The Gossans West prospect is a widespread area of advanced argillic alteration. While a lot of traditional geochemical sampling has been conducted over the area, the time and expense required to fully test the area in detail would be substantial. One of the objectives of this study was to establish how Niton analysis could be effectively used in a greenfields location where alteration is intense and anomalies are generally subtle.

4.1 NITON HAND-HELD XRF

The XL3t Niton hand-held XRF device used in this study is a compact, field-portable analyser that measures the elemental composition of samples via energy dispersive X-ray fluorescence. Measurements are fast, non-destructive and can be completed without any sample preparation. Up to 30 or more elements are analysed simultaneously, although gold and silver cannot be suitably measured with this technique due to detection limits. Detection limits are significantly higher than laboratory analyses (e.g. ICP-MS or ICP-AES) however the Niton XRF analysers are cost-effective and have the advantage of providing immediate results.

4.2 NITON PROCEDURE

Immediately upon the initialization of the instrument, the detector was calibrated. The five standards provided with the Niton were then tested, using the filter times expected to be used on subsequent samples for that day. Standards were run three times per day – upon initial startup, after lunch breaks (when instrument is turned off) and at the end of the day before turning off. The results for the analysis of each standard were compared to the known composition of each to ensure the machine was reading within acceptable tolerances. Data was also downloaded daily.

A number of methods of sample handling were used throughout the Niton analysis of samples. During the initial period of analysis, the test stand which can be used in conjunction with the Niton was not functional. As a result, for bulk soil samples, the instrument was pushed firmly up against the side of the calico sample bag. Test analyses of the calico bag showed it contained negligible amounts of important elements. Each sample was, in general, analyzed more than once. The instrument was placed on a different part of the bag each time, and never on any writing or along seams or folds in the material. When the Niton test stand again became available, bulk soil samples were still left in their calico bags and placed within the stand.

The sieved fractions from the orientation line were stored in sealable sandwich bags, however the plastic had been shown to interfere with readings collected through the plastic. Therefore the sieved samples were removed from their bags and placed into an open cylinder (the pucks used for standards) with the base covered with Glad Wrap. The Glad Wrap seems to have negligible effect on the readings.

Testing of pulps by the Niton utilised a similar method to the bulk soil analysis, however in this case the samples were analyzed through the paper geochem bags.

In September 2009, the Niton analyser had to be sent away for repairs. During this time the filter wheel was replaced. Closer inspection of the standards in November revealed that analyses after this replacement were closer to expected performance than prior to this time. While this discrepancy in performance is noted, the readings prior to September are still incorporated in the study, as the variance is not sufficient to discount the results (see Table 1).

4.3 NITON ANALYSIS

The Niton runs three filters, which can each be set at different reading times. A standard of 30 seconds was applied to each filter, resulting in one and a half minutes for each reading. Previous experimentation by ActivEX staff had established that 30 second filters are a fair balance between accuracy and efficiency and is suitable for exploration requirements.

Niton readings of the bulk soil samples commenced after the first field campaign, on the 464 samples collected. Initially three readings per sample were taken with an average of the readings used as the final result. The samples were taken from the different points on the calico sample bag, to achieve the best statistical spread. These initial readings were taken over a period of three weeks in March-April 2009.

The Niton readings were found to be somewhat inconsistent and so further readings were taken on the samples, in an effort to improve accuracy of analysis. It was decided that initially, an extra ten 90-second Niton readings were to be taken on each of these samples. The actual number of readings taken varied somewhat (generally due to human error), but the average of all readings was used. The further readings of samples PCN001 to PCN136 were taken over a period of three weeks in July-August 2009.

When the Niton again became available for Prospect Creek work in November 2009, it was discovered that many of the samples collected less than nine months earlier had perished. The samples were stored in polyweave bags in groups of 10-13 samples. In some instances only one or two of the calico bags had started to perish and the remaining samples were salvageable, but in some cases, the calico bags had perished so badly that all samples were deemed to be contaminated and were abandoned.

Further readings were taken on samples PCN154 to PCN239 (incomplete series) over a period of four days. Again, a further 10 readings (approximately) were taken using 30-second filters.

During the second field campaign in November 2009, samples PCN465 to PCN772 were collected. Samples which had perished (up to PCN239) were re-collected during this campaign.

On completion of the second field campaign, it was decided that seven 90-second Niton readings would be sufficient to achieve a reliable average result. Samples re-collected in the field had a further seven readings, making an average total of 10 readings. Samples from PCN465 to PCN772 were only analysed seven times.

It was hoped that Niton readings could be taken on the pulps from the Cockatoo Ridge soil samples, however time constraints precluded this. Niton readings were taken on the pulps from the 2007 regional soil samples, but only one reading per pulp was taken.

Niton analysis on the RC samples from the drilling carried out in 2008 was started, but only 30 samples have been tested to date. Each pulp was analysed by three 90-second readings.

4.4 ORIENTATION LINE

The orientation line consists of 43 samples, from PCN087 to PCN129.

These samples underwent three initial 90-second readings along with the other samples from the first field campaign, followed by the ten extra 90-second readings. Before they were sieved into the three sieve fractions (-2mm+20#, -20+80#, and -80#), they were analyzed with 90-second filter settings. Each sample underwent one 180-second reading, to act as a simple comparison.

Once the samples had been sieved, each fraction was analysed by three 90-second readings. These readings were averaged before use. Calculations and comparisons to laboratory assays are presented separately for these samples.

Table 1 Summary of comparison of laboratory data against hand-held XRF data

Sample type	Average readings	Average difference between laboratory assays and Niton readings (as % of assay value)																		
		As	Pb	Fe	Cu	Mn	Ca	Zn	Se	Mo	Ba	Co	Sb	Te	Bi	S	Hg	Ni	U	W
Cockatoo Ridge, Soil Orientation Line																				
-2mm+20# fraction	3.12	-8	-8	9	-16	-24	-34	-39	24	16	-328	-3830	-5635	-53557	-272	-65	NA	-537	NA	NA
Readings above LOD (total 43)		41	39	43	40	37	35	41	27	28	42	10	37	35	6	2	0	1	0	0
% of readings above LOD		95	91	100	93	86	81	95	63	65	98	23	86	81	14	5	0	2	0	0
-20+80# fraction	3.05	-7	-1	16	-20	-44	-44	-53	28	12	-249	-5441	-3857	-31071	-214	-72	-18667	-621	NA	NA
Readings above LOD (total 43)		38	41	43	42	36	34	41	25	25	42	9	20	30	7	4	1	1	0	0
% of readings above LOD		88	95	100	98	84	79	95	58	58	98	21	47	70	16	9	2	2	0	0
-80# fraction	2.98	-5	-19	18	-20	-31	-53	-83	25	-3	-172	-4064	-2522	-15084	-559	NA	NA	-446	NA	NA
Readings above LOD (total 43)		38	41	43	43	35	35	43	26	29	42	13	14	17	6	0	0	2	0	0
% of readings above LOD		88	95	100	100	81	81	100	60	67	98	30	33	40	14	0	0	5	0	0
Bulk samples, 180 second readings	1.00	5	-7	34	-34	-5	0	-59	20	-84	-249	-6319	-9845	-58451	-432	NA	NA	NA	NA	245680
Readings above LOD (total 43)		39	42	43	43	35	39	43	24	33	42	26	21	17	4	0	0	0	0	1
% of readings above LOD		91	98	100	100	81	91	100	56	77	98	60	49	40	9	0	0	0	0	2
Bulk samples, 90 second readings	13.00	23	28	36	15	19	24	-21	65	58	-161	-2851	-3740	-26428	-71	NA	NA	NA	-282	21635
Readings above LOD (total 43)		39	43	43	43	38	43	43	29	25	43	38	38	36	8	0	0	0	2	1
% of readings above LOD		91	100	100	100	88	100	100	67	58	100	88	88	84	19	0	0	0	5	2
Bulk samples, initial 3 x 90 second readings	3.00	27	20	49	33	23	20	7	55	15	-117	-2230	-3471	-15332	-295	NA	NA	NA	NA	NA
Readings above LOD (total 43)		38	38	43	37	33	43	41	22	22	40	33	19	16	4	0	0	0	0	0
% of readings above LOD		88	88	100	86	77	100	95	51	51	93	77	44	37	9	0	0	0	0	0

Sample type	Average readings	Average difference between laboratory assays and Niton readings (as % of assay value)																		
		As	Pb	Fe	Cu	Mn	Ca	Zn	Se	Mo	Ba	Co	Sb	Te	Bi	S	Hg	Ni	U	W
Cockatoo Ridge soil samples																				
Bulk samples, 90 second readings	9.23	11	7	29	-31	0	-58	-99	57	-72	-165	-4836	-2976	-13682	-86	-239	-16535	-153	-680	21430
Average % difference, when expressed as an absolute value		27	35	30	46	40	80	106	62	99	173	4837	2976	13682	101	257	16535	153	680	21430
Readings above LOD (total 370)		361	357	370	369	349	370	369	182	281	366	355	171	203	35	86	2	2	7	2
% of readings above LOD		98	96	100	100	94	100	100	49	76	99	96	46	55	9	23	1	1	2	1
Bulk samples, 90 second readings (post Sept 09 repair)	7.67	9	2	28	-49	-6	-73	-127	52	-104	-159	-5196	-1495	-5210	-108	-303	-18300	-153	-1028	30277
Readings above LOD (total 277)		272	265	275	275	257	273	275	139	233	272	272	75	104	26	79	2	2	5	1
% of readings above LOD		98	96	99	99	93	99	99	50	84	98	98	27	38	9	29	1	1	2	0
Gossans West regional soil samples																				
Soil pulps	1.00	-61	-71	17	-27	16	NA	-1	-29	-1102	NA	-3471	-15004	-325508	-832	-4943	NA	NA	NA	NA
Readings above LOD (total 318)		208	186	318	258	292		286	26	64		143	54	118	4	22	0	0	0	0
% of readings above LOD		65	58	100	81	92		90	8	20		45	17	37	1	7	0	0	0	0
Oasis Ridge RC drill samples																				
Drill pulps	3.00	0	-85	37	-6	39	NA	-6	32	-105	NA	NA	-3252	-21532	NA	-268	NA	NA	NA	NA
Readings above LOD (total 30)		30	28	30	28	2		12	14	4			12	20	0	30	0			0
% of readings above LOD		100	93	100	93	7		40	47	13			40	67	0	100	0			0

4.5 LABORATORY ANALYSIS

After all Niton readings had been completed on the bulk soil samples, they were sent to ALS Chemex in Brisbane for laboratory analysis. A total of 370 samples from Cockatoo Ridge were analysed for Au, Cu, Pb, Zn, Ag, As, Ba, Bi, Ca, Co, Fe, Hg, Mn, Mo, Ni, S, Sb, Se, Te, Tl, U, and W, using methods TL43 (aqua regia), ME-ICP43 and PC-MS43 (ICP).

Samples were selected for laboratory analysis based on the anomalous Niton readings, although the final number of samples was reduced due to the number of perished samples.

Samples from the regional soil lines and RC drillhole GOWH01 had been analysed by ALS Chemex in Brisbane, prior to the commencement of this study.

Table 2 Element analyses for each data set

	Sample type					
	Soil samples (PCNs)		Regional soils (PCSs)		RC drill samples (GOWH01)	
Element	lab assays, 2010	Niton on fractions & bulks	lab assays, 2007	Niton on pulps	lab assays, 2008	Niton on pulps
As	Yes	Yes	Yes	Yes	Yes	Yes
Ba	Yes	Yes		Yes		Yes
Bi	Yes	Yes	Yes	Yes	Yes	Yes
Ca	Yes	Yes		Yes		Yes
Co	Yes	Yes	Yes	Yes		Yes
Cu	Yes	Yes	Yes	Yes	Yes	Yes
Fe	Yes	Yes	Yes	Yes	Yes	Yes
Hg	Yes	Yes	Yes	Yes	Yes	Yes
Mn	Yes	Yes	Yes	Yes	Yes	Yes
Mo	Yes	Yes	Yes	Yes	Yes	Yes
Ni	Yes	Yes	Yes	Yes		Yes
Pb	Yes	Yes	Yes	Yes	Yes	Yes
S	Yes	Yes	Yes	Yes	Yes	Yes
Sb	Yes	Yes	Yes	Yes	Yes	Yes
Se	Yes	Yes	Yes	Yes	Yes	Yes
Te	Yes	Yes	Yes	Yes	Yes	Yes
U	Yes	Yes	Yes	Yes		Yes
W	Yes	Yes	Yes	Yes	Yes	Yes
Zn	Yes	Yes	Yes	Yes	Yes	Yes

5 ELEMENT COMPARISONS

The results from the laboratory analyses and the Niton readings were compared to establish which elements analysed by the Niton are most useful and reliable. For each element the difference between the lab assay and the average Niton reading was calculated and then expressed as a percent of the lab assay.

There are a total of 19 elements which are common to both the laboratory assay results and the Niton readings in the Cockatoo Ridge soil samples. The common elements are As, Ba, Bi, Ca, Co, Cu, Fe, Hg, Mn, Mo, Ni, Pb, S, Sb, Se, Te, U, W, and Zn.

The regional soil samples were not analysed for Ba and Ca and the drill hole samples were not analysed for Ba, Ca, Co, Ni or U.

Overall there is good consistency between the different sample types in element response.

Bi, Hg, Ni, S, U, and W recorded too few Niton readings above LOD in all bulk samples, fractions and pulps to be statistically viable.

A complete list of all samples and their analytical results are contained in Appendix 2.

5.1 ORIENTATION LINE

For the orientation line samples, each sieve fraction was individually compared to the assay results, as were the 180-second readings and the bulk sample readings.

The elements with the overall closest responses are As, Ca, Cu, Fe, Mn, Mo, Pb, Se and Zn. The elements with the poorest correlation are Co, Sb, and Te. Ba also showed poor correlation, but considerably better than the previous three.

Arsenic and **lead** present as the most reliable elements analysed by the Niton, in terms of the average difference. In all fractions, as well as the single 180-second reading of the bulk samples, both elements showed less than 10% variation from the lab assay, when averaged over the entire sample population. The only exception was the -80# fraction for lead, which returned a 19% difference. Niton readings for the three sieved fractions were higher than the assay results for both arsenic and lead.

Multiple 90-second readings of the bulk samples returned less accuracy in the readings, however there was still good correlation. Niton values were lower than assay results for the bulk samples. Over 90% of samples for all sample types returned Niton readings above LOD.

Iron, copper, and selenium, and to a lesser extent manganese, molybdenum and zinc were also consistently close to the assay result, but with a lesser degree of accuracy.

Iron returned less than 20% difference in the sieve fractions, but the bulk samples returned consistently less accurate averages. All Niton values were lower than the assay values. Iron is the only element which returned a Niton reading above LOD in all samples for all sample types.

Selenium returned consistently similar differences for the three sieve fractions (mid to high 20 percents), while the bulk samples returned less accurate readings. The longer 180-second readings on the bulk samples produced slightly more accurate readings than the sieve fractions. All Niton values were lower than the assay values. In all sample types, 50-70% of samples registered a Niton reading above LOD.

Copper returned higher assay values than Niton readings for all the sieve fractions and the longer 180-second readings. The most accurate readings (at 15%) were from the multiple 90-second bulk sample readings, although these readings were again less than the assay values. The initial three

90-second readings of the bulk samples were also less than the assay values, but markedly less accurate at 33%. Over 90% of samples for all sample types returned Niton readings above LOD, except for the initial three readings on the bulk samples. Only 85% of these samples registered a Niton reading above LOD.

Molybdenum was somewhat erratic in response, with only 50-75% of the samples in all sample types returning a Niton value above LOD. Even the multiple 90-second readings of the bulk samples only returned values for 25 of the 43 samples. The longer 180-second readings returned more values above LOD, however the accuracy of these readings, at 84% (higher than the assay results) was much poorer than the other sample types. The most accurate Niton readings came from the -80# fraction at an average of only 3% higher than the assay values.

Zinc returned better Niton and assay correlation in the bulk samples than the sieve fractions. The sieve fractions had Niton readings up to 83% higher than the assay values, but this was reduced to only 21% higher in the multiple 90-second bulk readings. The original three 90-second readings on the bulk samples returned the best accuracy with only 7% difference and is the only sample set to return Niton readings below the assay values. However, these readings were taken before the replacement of the filter wheel and zinc was reading below expected performance. Over 95% of samples for all sample types returned Niton readings above LOD.

Manganese and **calcium** showed similar correlations, with both being fairly variable across samples types. The best results for both were from the longer 180-second readings (5% and 0% respectively). The Niton readings of the bulk samples were approximately 20% less than the assay results for both, while the fractions and the longer 180-second readings were both higher than the assay results. The fractions generally became less accurate with decreasing sieve size. In all sample types, 75-100% of samples registered a Niton reading above LOD.

5.2 ORIENTATION LINE COMPARISON CHARTS

Simple charts were created for each element showing the assay value, average Niton value for each fraction, as well as the 90-second readings and 180-second readings for the bulk samples. The charts are presented in Appendix 3.1.

The charts offer an easy visual assessment of how the laboratory assays for each element compare with the Niton data. No charts were produced for Bi, Hg, Ni, S, U or W.

- The **As** chart reflects the overall close correlation of assay and Niton data in all sample types. For higher assay values, the sieve fractions seem to correlate more closely, especially the -2mm+20# fraction. Correlation is better in later samples and may be due some other characteristic of the sample media, such as moisture content, which may reflect the date of sample collection or length of time samples have been stored. It does not appear to be a factor of the repairs to the Niton instrument, as readings on earlier samples, taken after the September repairs do not correlate as closely as readings on later samples.
- The **Ba** chart reflects the poor correlation of assay and Niton data in all sample types. The Niton data also shows an erratic correlation between the samples types and demonstrates the unreliability of Ba Niton data.
- The **Ca** chart reflects the moderate correlation of assay and Niton data. It presents the bulk samples as being closer to the assay values than the sieve fractions, but it should be noted that the 180-second readings do not correlate as closely as the average percentage difference would suggest. All samples types seem to show better correlation when assay values are lower.

- The **Cu** chart shows a moderate but somewhat erratic correlation. All samples types broadly reflect anomalies, but the sieve fractions tend to have slightly better correlation.
- The **Fe** chart reflects a moderate correlation, and shows that the Niton data is consistently lower than the assay data. The -2mm+20# sieve fraction shows the best correlation, whilst the 90-second bulk samples show the poorest correlation.
- The **Mn** chart reflects a fairly good correlation of assay and Niton data, with the -2mm+20# sieve fraction showing the best correlation. All samples types detected the assay anomalies.
- The **Mo** chart reflects the variable correlation of the assay and Niton data in all samples types, although the bulk 180-second readings returned consistently higher values than the assay results. All sample types detected the larger assay anomalies (+15ppm Mo).
- The **Pb** chart reflects the close correlation of assay and Niton data, with the -2mm+20# sieve fraction showing the best correlation. All samples types detected the assay anomalies.
- The **Se** chart reflects the moderate correlation of assay and Niton data, with all samples types broadly detecting the assay anomalies.
- The **Zn** chart reflects the good correlation of assay and Niton data, although highlights the occurrence of spikes in the Niton data which reduce the overall correlation percentage, whilst still duplicating the overall trend of the assay anomalies. The -80# sieve fraction seems to return the largest spikes, although the -20+80# fraction and the 180-second bulk readings also tend to spike.

5.3 BULK SAMPLES

Over the entire dataset of soil samples from Cockatoo Ridge, the elements showed a similar pattern to the orientation line. The elements with the best correlations between assay and Niton data are As, Cu, Fe, Mn, and Pb and to a lesser degree Ca, Se, Mo, and Zn. The elements with the poorest correlation are Co, Sb, and Te. Once again, Ba also showed poor correlation, but considerably better than the previous three.

In the larger dataset, **manganese** and **lead** were the best elements returning average readings 0% and only 7% less than the assay results respectively. **Arsenic** was also close with values 11% less than the assay results. Approximately 95% of samples returned an average Niton reading above LOD.

Iron again returned a Niton value above LOD for every sample, with an average reading 29% below the assay value. **Calcium** also returned a Niton value for every sample, but with a larger discrepancy of 58% higher than the assay value.

Copper and **zinc** returned values similar to those for the sieve fractions, rather than the bulk samples from the orientation line. Copper readings were 31% higher than assay values while zinc values were 99% higher on average (that is, the Niton value was nearly double the assay value). Nearly 100% of samples returned Niton readings above LOD for both elements.

Molybdenum returned average readings 72% higher than the assay values, which was a poorer result than the orientation samples. Only 76% of samples returned a Niton reading above LOD.

Selenium returned a very similar variance to the bulk samples of the orientation line, at 57% less than the assay result. Only 50% of samples registered a Niton reading above LOD.

5.4 COMPARISON CHARTS

Simple plots were created for each element, other than Hg, Ni, U and W, which all returned too few Niton values above LOD to be useful. These plots show assay value, average Niton value, and maximum Niton value for each element. The number of Niton readings taken on each sample is also shown on each chart, as reference. The charts are presented in Appendix 3.2.

The charts offer an easy visual assessment of how the laboratory assays for each element compares with the Niton data.

- The **As** chart reflects the close correlation of the assay and Niton data. It highlights that for anomalous As assay values, the Niton readings are generally lower; for assay values around 20-30ppm, the Niton readings are often higher; and for very low assay values, the Niton readings are slightly lower, however these values are generally below the manufacturer's LOD and therefore reliability is not expected to be high.
- The **Ba** chart reflects the poor correlation of assay and Niton data. It highlights that even though the difference between the two data types is high, but fairly consistent, a simple correction factor cannot be applied to the Niton results. The Niton data shows only a broad correspondence to assay trends and illustrates the unreliability of Niton Ba data.
- The **Bi** chart reflects the poor Niton detection ability for this element, however demonstrates that given a high enough assay value, the Niton does reliably, if not accurately, identify Bi anomalies.
- The **Ca** chart reflects the moderate correlation of assay and Niton data. It highlights a tendency in lower assay values for the average Niton readings to often be higher.
- The **Co** chart reflects the poor correlation and unreliability of cobalt data which is largely due to the proximity of the Co spectra to the Fe spectra.
- The **Cu** chart shows a moderate correlation, but the average Niton data does broadly reflect anomalies, especially in assay values around 50-100ppm.
- The **Fe** chart reflects a moderate correlation, and shows that the Niton data is consistently lower than the assay data.
- The **Mn** chart reflects a fairly good correlation of assay and Niton data, and shows that the Niton data is consistently lower than the assay data.
- The **Mo** chart reflects the variable correlation of the assay and Niton data, but does highlight that anomalies found in the assay data are also detected by the Niton.
- The **Pb** chart reflects the close correlation of assay and Niton data and highlights the accuracy of the average Niton readings, regardless of the total number of readings.
- The **S** chart reflects a poor correlation, even at higher assay values.
- The **Sb** chart reflects the poor correlation of assay and Niton data, although highlights the low Sb values found at Gossans West – well below the Niton LOD for Sb.
- The **Se** chart reflects the moderate correlation of assay and Niton data, although Se values are near Niton LOD in most cases.
- The **Te** chart reflects a poor correlation and the unreliability of Te in Niton readings
- The **Zn** chart reflects the good correlation of assay and Niton data, although highlights the occurrence of spikes in the Niton data which reduce the overall correlation percentage, whilst still duplicating the overall trend of the assay anomalies.

5.5 SOIL PULPS

Whilst only one reading per pulp was collected on the 318 regional soils, several similarities were noted to the Cockatoo Ridge soils.

There are a total of 17 elements which are common to both the laboratory assay results and the Niton readings. The common elements are As, Bi, Co, Cu, Fe, Hg, Mn, Mo, Ni, Pb, S, Sb, Se, Te, U, W, and Zn.

Bi, Hg, Ni, U, and W recorded too few Niton readings above LOD to be useable. Mo, S, Sb, and Se all returned Niton readings for less than 20% of the samples and are similarly not useful.

Zn, Mn, Fe, and Cu all returned good correlations and to a lesser extent As and Pb. Co and Te showed poor correlation with the assay values, but only 35-45% of the samples returned a value above LOD.

Zinc returned the closest correlation with the assay results, at only 1% higher values than the assays. Copper, lead and arsenic all returned higher Niton results whilst manganese and iron returned Niton results 16% and 17% less than the assay values.

5.6 DRILL PULPS

The RC samples from the drilling carried out in 2008 were analysed for fewer elements than the soil samples. There are a total of 14 elements which are common to both the laboratory assay results and the Niton readings. The common elements are As, Bi, Cu, Fe, Hg, Mn, Mo, Pb, S, Sb, Se, Te, W, and Zn.

No comparisons can be made for Ca, Ba, Co, Ni or U as there are no laboratory assay data for these elements.

Bi, Hg, Mn, Mo and W all returned too few Niton readings above LOD to be useful.

At the end of the study period only 30 pulps from the RC drilling had been analysed. From those 30 samples, **arsenic** and **copper** returned the most comparable results, with 0% and 6% above the assay values respectively. **Zinc** also returned an average Niton reading only 6% above the assay result, however only 40% of the samples returned a value above LOD.

Iron and **selenium** returned reasonable results of 37% and 32% below the assay result respectively. All 30 samples gave a Niton reading above LOD for iron, but only 14 samples returned a reading for selenium.

Lead returned Niton values 85% higher than the assay results, with nearly all samples returning a Niton value above LOD.

Antimony and **tellurium** results showed extremely poor correlation with the assay values, as did **sulfur**, although to a much lesser degree.

5.7 DRILL PULP COMPARISON CHARTS

Simple charts were created for each element which show; the assay value, average Niton value and maximum Niton value. The charts are presented in Appendix 3.3.

The charts offer an easy visual assessment of how the laboratory assays for each element compares with the Niton data. No charts were produced for Ba, Bi, Ca, Co, Hg, Mn, Ni, S, Sb, Te, U or W.

- The **As, Cu** and **Zn** charts reflect the close correlation of assay and Niton data.
- The **Fe** chart reflects a moderate correlation, and shows that the Niton data is consistently lower than the assay data.
- The **Mo** chart reflects the poor correlation of the assay and Niton data although the assay results were quite low. Correlation improved over the single assay anomaly (14ppm Mo).
- The **Pb** chart reflects the moderate correlation of assay and Niton data, with the Niton data consistently higher than the assay results.
- The **Se** chart reflects the moderate correlation of assay and Niton data, with better correlation over higher assay values.

5.8 COMPARISON CONCLUSIONS

Although differences were apparent between sample media, overall there were broad similarities in individual elements. Elements for which Niton readings can be reliably used are As, Ca, Cu, Fe, Mn, Mo, Pb, Se, and Zn.

- **As** and **Pb** correlate very well with laboratory assays (<25% variation) and consistently return Niton readings above LOD (in more than 85% of the sample population).
  - In pulps, both correlation and sample population is reduced.
  - Maximum soil assay values are 274ppm As and 1.34% Pb, although the next highest lead value is 125ppm. Niton LOD is approximately 10ppm As and 12ppm Pb.
- **Fe** and **Cu** correlate well with laboratory assays (6-50% variation) and consistently return Niton readings above LOD for close to 100% of the sample population.
  - Correlation was better in the sieved fractions than the bulk samples.
  - Maximum soil assay values are 20% Fe and 191ppm Cu. Niton LOD ~28ppm Cu.
- **Mn** and **Ca** correlate well with laboratory assays (0-67% variation) with slightly less reliability in sample population returning Niton readings above LOD (75-100%).
  - Maximum soil assay values are 1760ppm Mn and 15.01% Ca.
- **Zn** also correlates fairly well with laboratory assays but with much higher variability than Fe and Cu (7-114% variation) and also consistently returns Niton readings above LOD for 95-100% of the sample population.
  - Maximum soil assay value is 158ppm Zn.
- **Se** correlates fairly well with laboratory assays (20-65% variation) but only 50-60% of the sample population returns Niton readings above LOD.

- Maximum soil assay value is 37.6ppm Se.

- **Mo** has a variable correlation with laboratory assays (3 to 1102% variation) and generally only 50-70% of the sample population returns Niton readings above LOD.
  - Maximum soil assay value is 44.3ppm Mo.
- **Ba** returned relatively consistent, however inaccurate results (117-328% higher than the laboratory assays) and consistently returned Niton readings above LOD for close to 100% of the sample population.
  - Maximum soil assay value is 310ppm Ba.
- **Co**, **Sb**, and **Te** returned very variable results with very poor correlation to the assay results (up to 325508%), as well as very variable sample populations above LOD (20-99%).
  - Maximum soil assay values are 63.7ppm Co, 6.3ppm Sb, and 12.9ppm Te.
- **Bi** and **S** both returned very variable results with poor correlation to the assay results (up to 4943%), but sample populations above Niton LOD were too small to be reliable (0-27%).
  - Maximum soil assay values are 73.4ppm Bi and 1.7% S.
- **Hg**, **Ni**, **U** and **W** all returned too few results to be useful. Hg, Ni and U returned LOD in Niton readings for nearly all samples, whereas they generally returned a result, albeit generally very low, in the assays. W returned very few values above detection limit for both Niton and laboratory assays.
  - Maximum assay values are 0.72ppm Hg, 74ppm Ni, 2.8ppm U and 0.33ppm W.

Correlation of assay and Niton data is also a function of the geological environment. Gossans West has widespread advanced argillic alteration with high arsenic and iron contents, amongst other elements. The good correlation of assay and Niton data for these elements may be as much a reflection of their abundance in the system as a function of the Niton reliability.

The very poor correlation between Niton and assay data, as expressed as a percent difference, for elements such as bismuth, may be reflecting the low levels of Bi at Gossans West. For example, in an environment with higher bismuth levels, the ability of the Niton to detect Bi may be much higher and therefore the correlation of assay and Niton data may be much greater.

Element comparisons have also highlighted a tendency for samples collected in the second field campaign to have closer correlations. This may be a reflection of a multitude of external factors, including weather (moisture content is known to affect Niton readings) and storage. Calico bags from samples collected during the first field campaign had started to perish and many samples could not be salvaged. There is a possibility that the rotting bags had an affect on the sample readings, although this is not immediately apparent.

6 STATISTICS

Statistical comparison was conducted on the results for the various sample media (i.e. sieved or bulk samples) to determine which sample preparation technique produced Niton results most similar to the laboratory values.

Summary statistics were calculated for the various populations using Encom's Discover Geochemistry module. This included calculation of the following parameters: minimum, maximum, arithmetic mean, geometric mean, standard deviation, coefficient of variation, kurtosis, and skewness.

Copper, lead, iron, arsenic, and molybdenum were selected for analysis as these elements appear to provide the most consistent and reliable results, based on the comparison work discussed previously. Copper and molybdenum are also of particular interest at Gossans West.

A full table of the summary statistics is provided in Appendix 6. Sample populations were defined using the various elements, analysis type, and sample preparation. A total of 31 populations were selected, as shown in Table 3 below. Note that this work was based only on the detailed soil sampling program, not the regional samples.

6.1 ARITHMETIC AND GEOMETRIC MEAN

The arithmetic mean of a sample population is defined as the sum of all values, divided by the number of values. It provides an average of the data, but is significantly affected by the skew of the data (i.e. its asymmetry). Most geochemical data is positively skewed and so it is often more appropriate to use a geometric mean. This mean calculates the central tendency or typical value of a sample population. It is similar to the arithmetic mean, except that the numbers are multiplied and then the *n*th root (where *n* is the count of numbers in the set) of the resulting product is taken. The geometric mean can be used to give an approximate background geochemical level. Arithmetic mean is commonly referred to as simply "mean" and this has been adopted here. Geometric means will always be specified.

Table 3 List of sample populations defined by element, assay type, and sample preparation.

Population number	Analysis technique	Sample preparation	Element
1	Niton	Sieved: -2mm+20#	As
2	Niton	Sieved: -20+80#	As
3	Niton	Sieved: -80#	As
4	Niton	Bulk	As
5	Niton	Field	As
6	Niton	Sieved: -2mm+20#	Cu
7	Niton	Sieved: -20+80#	Cu
8	Niton	Sieved: -80#	Cu
9	Niton	Bulk	Cu
10	Niton	Field	Cu
11	Niton	Sieved: -2mm+20#	Fe
12	Niton	Sieved: -20+80#	Fe
13	Niton	Sieved: -80#	Fe
14	Niton	Bulk	Fe
15	Niton	Field	Fe
16	Niton	Sieved: -2mm+20#	Mo
17	Niton	Sieved: -20+80#	Mo
18	Niton	Sieved: -80#	Mo
19	Niton	Bulk	Mo
20	Niton	Field	Mo
21	Niton	Sieved: -2mm+20#	Pb
22	Niton	Sieved: -20+80#	Pb
23	Niton	Sieved: -80#	Pb
24	Niton	Bulk	Pb
25	Niton	Field	Pb
26	Niton	Pulp	Pb
27	Assay	Pulp	As
28	Assay	Pulp	Cu
29	Assay	Pulp	Fe
30	Assay	Pulp	Mo
31	Assay	Pulp	Pb

The following graphs show a comparison between the arithmetic and geometric means for various sample populations.

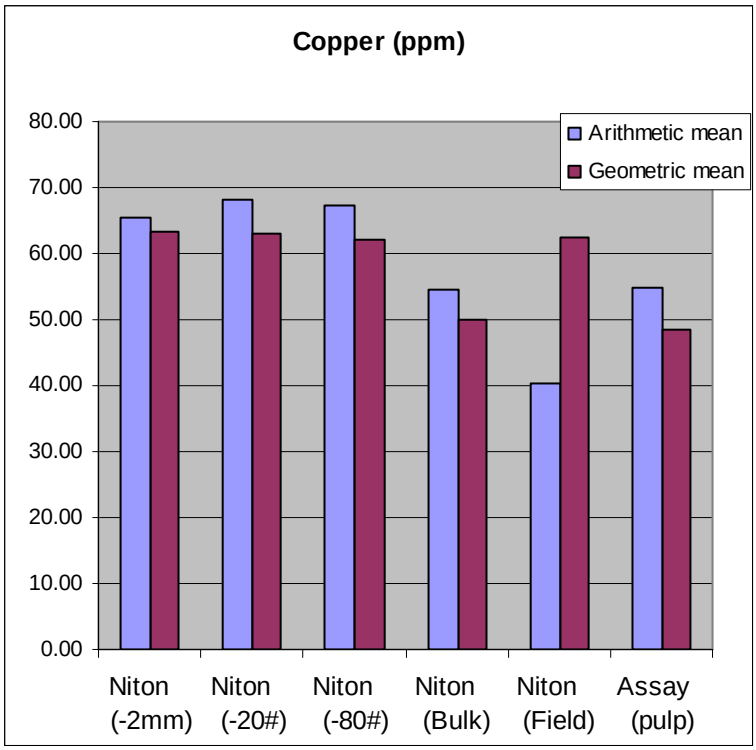


Figure 3 Comparison of arithmetic and geometric means for copper

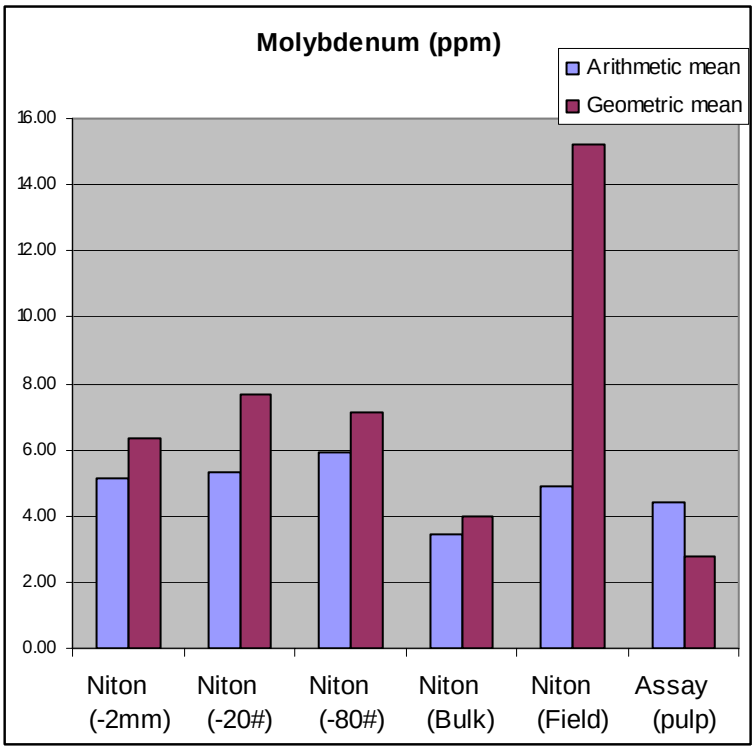


Figure 4 Comparison of arithmetic and geometric means for molybdenum

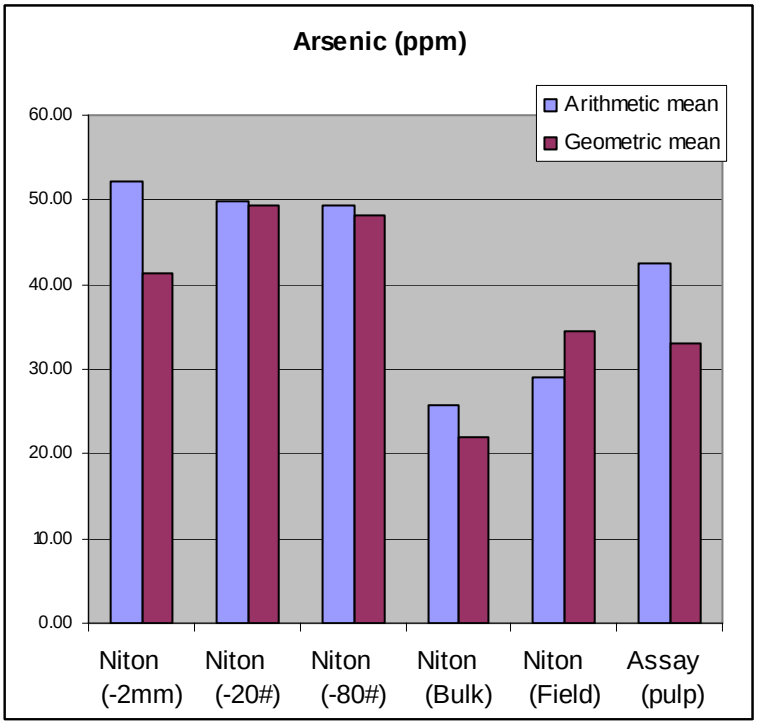


Figure 5 Comparison of arithmetic and geometric means for arsenic

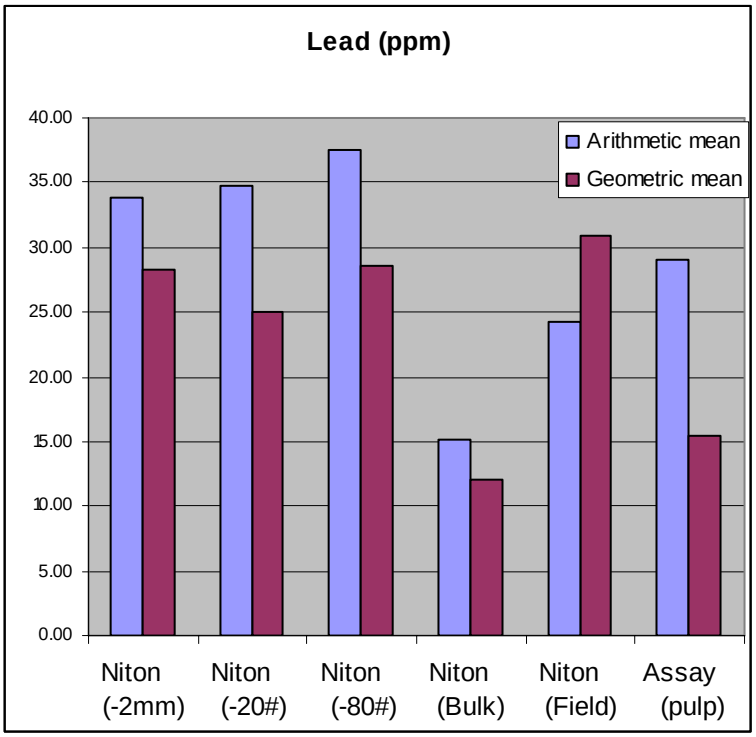


Figure 6 Comparison of arithmetic and geometric means for lead

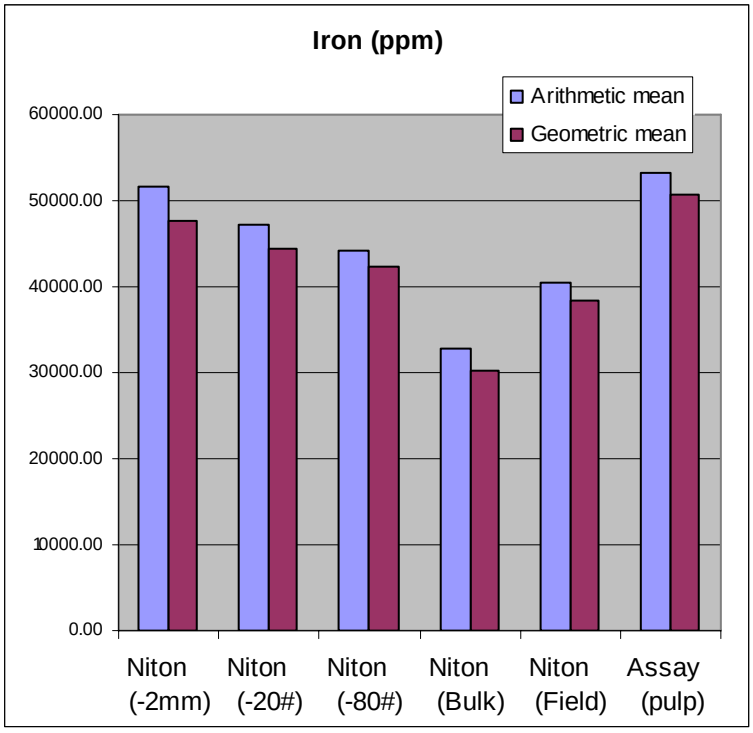


Figure 7 Comparison of arithmetic and geometric means for iron

The following observations were made:

- For the most part, arithmetic and geometric means are fairly similar, with the exception of all lead populations and the molybdenum Niton field population.
- Bulk Niton results have lower means than other populations across all elements, with the exception of copper field samples.
- Sieved Niton results (-2mm+20#, -20+80#, and -80#) have higher means than the laboratory assays, except for iron, which is reasonably similar.
- For copper and molybdenum, bulk Niton results have the closest means to the laboratory assays.
- For lead, the arithmetic mean of the laboratory assays is not particularly close to any of the other populations, while the geometric mean is closest to that of the bulk Niton results.
- For iron, the -2mm+20# Niton results have the closest means to the laboratory assays.
- For arsenic, the field Niton samples have the closest means to the laboratory assays.

In summary, there is no direct correlation between sample preparation and accuracy (assuming that the laboratory results are correct). For copper and molybdenum, the two elements of most interest at Gossans West, bulk reading of samples with the Niton appears to produce the most similar results to the laboratory assays. However, it should be noted that the results are likely to be somewhat lower than the laboratory assays.

6.2 STANDARD DEVIATION

The standard deviation of a sample population is the square root of its variance. It shows how much variation there is from the mean (arithmetic). A low standard deviation indicates that the data points tend to be very close to the mean, whereas a high standard deviation indicates that the data are spread out over a large range of values. Having already established that the means vary significantly with sample populations, it was decided to use the coefficient of variation for analysis instead.

6.3 COEFFICIENT OF VARIATION

The coefficient of variation (C.V.) is the ratio of the standard deviation to the mean. It is a normalized measure of dispersion. The coefficient of variation is therefore useful when comparing between datasets with significantly different means.

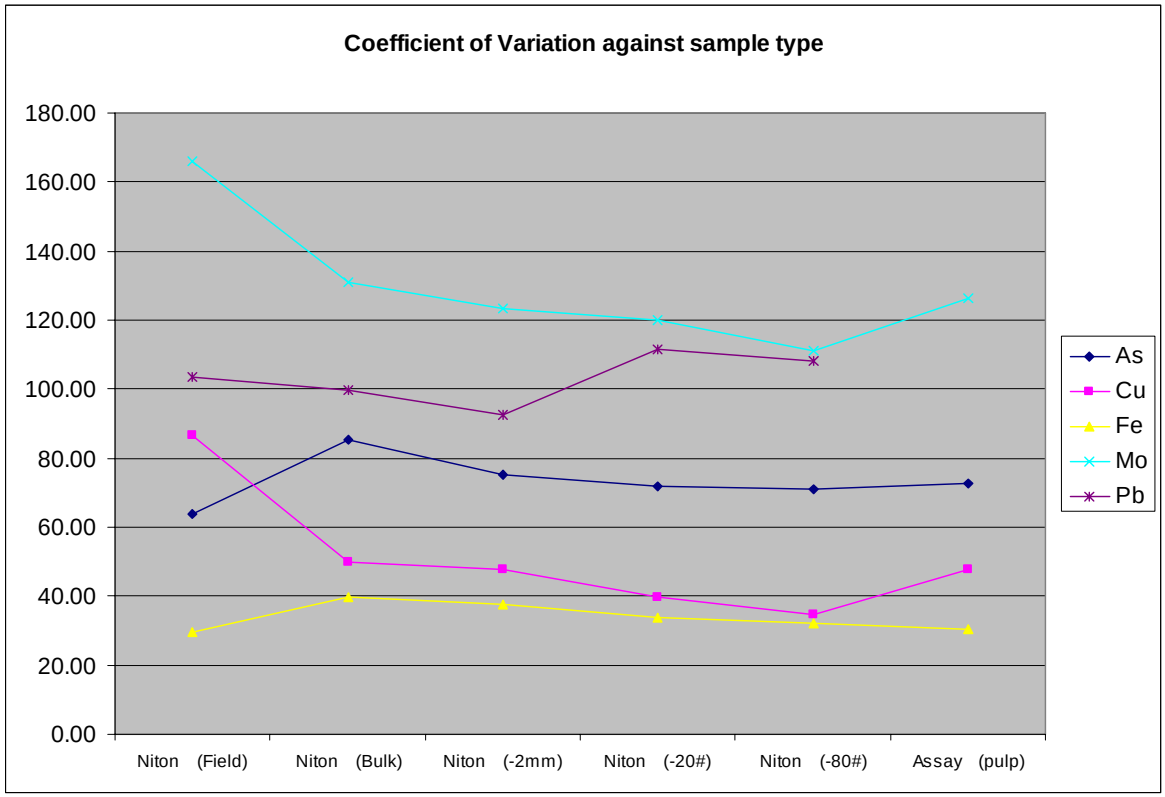


Figure 8 Plot of coefficient of variation against sample type

In Figure 8, sample types have been ordered according to grain size, with field and bulk samples having the coarsest grain size, and assay samples (pulped) having the finest. Note that the C.V. for the lead assay populations was removed because it was substantially higher than any other C.V. and was considered an outlier. For molybdenum, arsenic, copper, and iron there is a reasonably consistent decrease in the C.V. with grain size. A decrease in variation means data points are clustered more closely around the mean.

For these elements, the decrease may be a reflection of their tendency to accumulate in a particular, probably fine, grain size fraction. The decrease in sample grain size from the bulk to sieved samples would have removed the coarse grain size fraction which may have been introducing variability in data due a particular element's affinity or lack of affinity for that fraction. Every further decrease in grain size by sieving may have also decreased variability in a similar way. Despite sieve fractions conceivably only containing grains between a certain size

range, the coarser fractions would still contain much finer-grained sample due to clumping and the inefficiency of hand sieving. Such fractions would therefore have a wider range of grain size than fine fractions, which would only contain grains of that size or smaller.

Whilst the grain-size range/degree of variation correlation may be a noteworthy result, it should be noted that for copper and molybdenum the C.V. of the laboratory assays is closest to the C.V. of the -2mm sieved Niton results. If the aim is to produce laboratory-like results, then this suggests the best sample preparation before Niton analysis is to sieve to the -2mm level.

6.4 SKEWNESS

Skewness is a measure of the asymmetry of a population. The skewness for a normal distribution is zero. Negative values indicate instances where the left tail is long relative to the right tail, i.e. the population is skewed to the left. Positive values indicate the opposite, i.e. the population is skewed to the right.

Most geochemical data is positively skewed, especially for rarer elements such as gold and silver, as the mean value sits close to zero and there cannot be negative values for gold concentration. There is therefore a lower bound to the data and distribution will be skewed to the right.

At Gossans West, almost all populations have positive skewness, with the exception of copper. Copper skewness ranges from -0.78 to 0.5 for the various sample types but on the whole is reasonably close to zero, reflecting a roughly symmetrical distribution. The reason for this is unclear but is possibly caused by a general lack of anomalous copper in soil values.

Overall, there is very little correlation between the skewness of various elements, or various sample types (Figure 9). No useful conclusions about the benefit of one sampling type as opposed to another can therefore be drawn from this parameter.

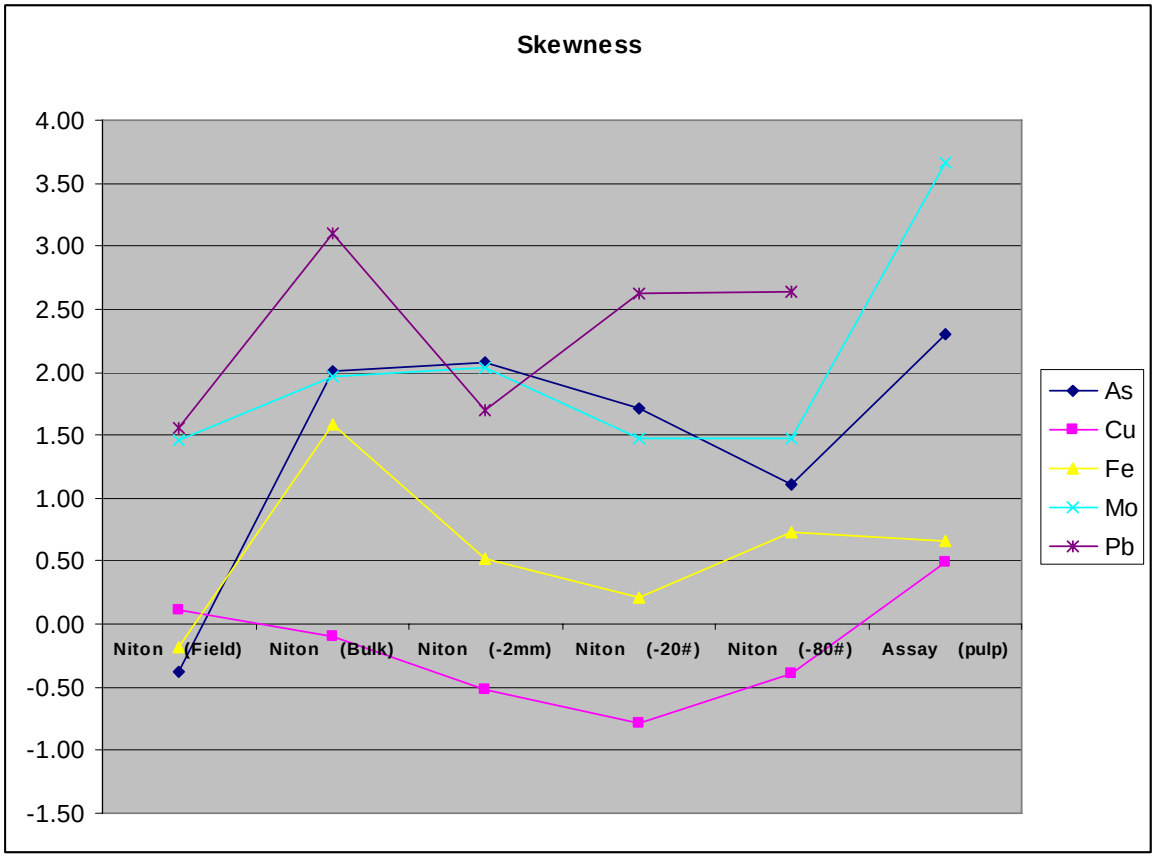


Figure 9 Plot of skewness against sample type

6.5 KURTOSIS

Kurtosis is a measure of whether the data set is peaked or flat, relative to a normal distribution. A high kurtosis distribution has a sharper peak and longer, fatter tails, while a low kurtosis distribution has a more rounded peak and shorter, thinner tails. Depending on the mathematical formula used, a perfectly normal distribution has a kurtosis of either zero or three. Discover appears to assign a kurtosis of zero to a normal population.

The implication of this for exploration is that populations with a high kurtosis will have more observations at the extreme ends of the tails than would a normally distributed population. In other words, there are a greater number of highly anomalous samples, relative to the background geochemical level. Kurtosis can therefore be used to give an indication of the number of anomalous values.

For the Gossans West populations, the kurtosis ranges from 1.8 to 363.4 (Figure 10). The lead values recorded from assay samples have the highest kurtosis of 363.4, which is an order of magnitude higher than all other populations. This is caused by one highly anomalous sample of 1.34% Pb (PCN 185), which has not been verified by other sampling and may be caused by laboratory or some other error. When this sample is removed, the kurtosis was recalculated to be 18.76.

The next highest kurtosis was calculated for the molybdenum laboratory assays (21.24). Figure 10 shows a histogram plot for this population. The peak is quite sharp and the background geochemical level occurs around the geometric mean of 2.7ppm. There are a reasonable number of anomalous samples, with 41 samples having greater than 10ppm Mo and 21 samples with greater than 13ppm Mo. The extended tail to the right therefore accounts for the high kurtosis.

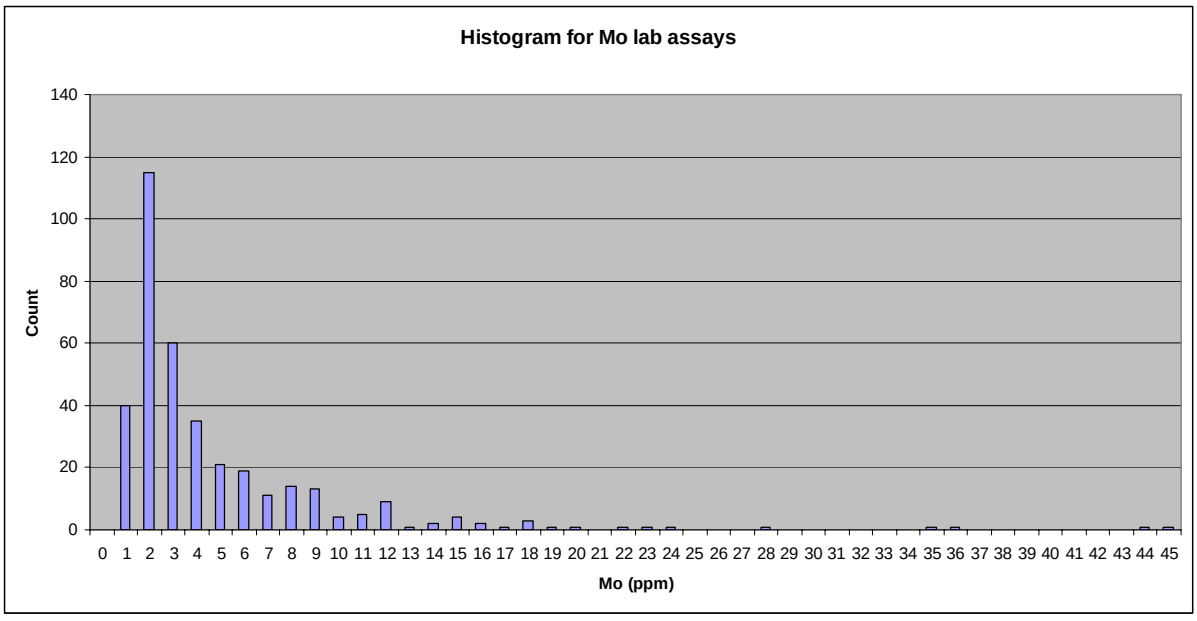


Figure 10 Histogram for molybdenum laboratory assays

In contrast, copper values recorded from Niton field samples gave a kurtosis of 1.88. In this case the peak of the histogram (Figure 11) is much flatter and there are very few anomalous values. The geometric mean occurs at 62.3ppm and there are only 4 samples that were considered anomalous at greater than 85ppm.

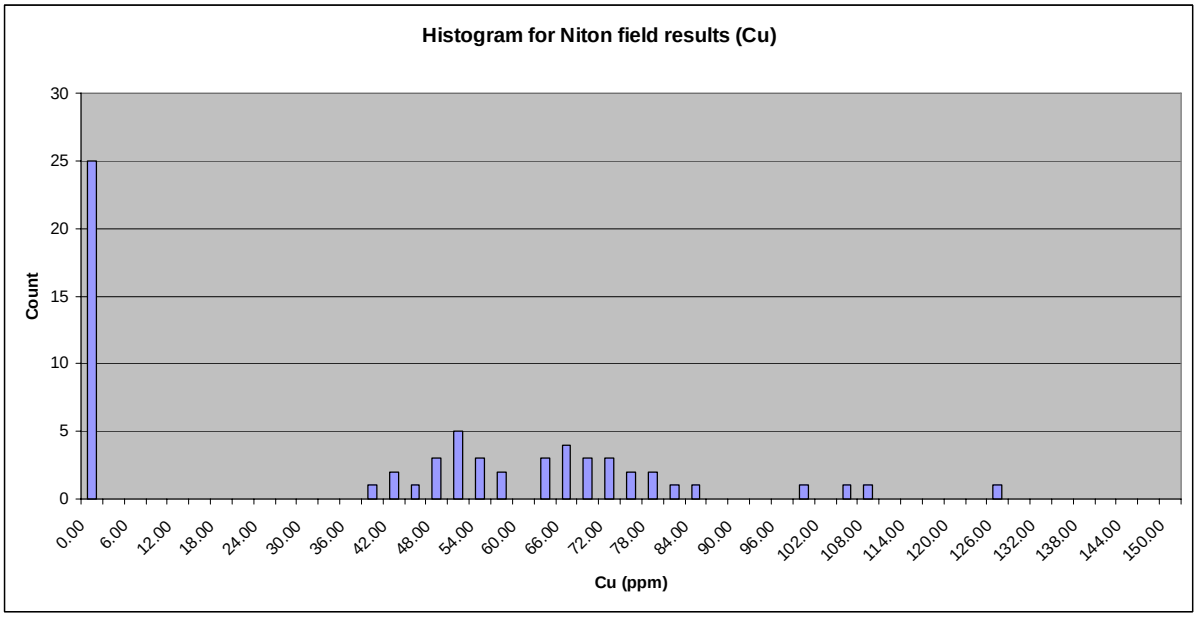


Figure 11 Histogram for Niton field results – copper

The main issue of concern for this study is the variation of kurtosis values with the sample preparation (i.e. grain size). For copper, the kurtosis is very consistent (Figure 11), suggesting that grain size does not greatly affect the number of anomalous readings recorded. For the other elements, sieved samples have a kurtosis that is consistently lower than the laboratory assays and the bulk readings. This suggests that some mineralised material is actually removed during the sieving process, reducing the number of anomalous values recorded. Therefore, if the aim is to produce laboratory-like results, kurtosis analysis suggests there is little benefit to sieving the samples before reading with the Niton.

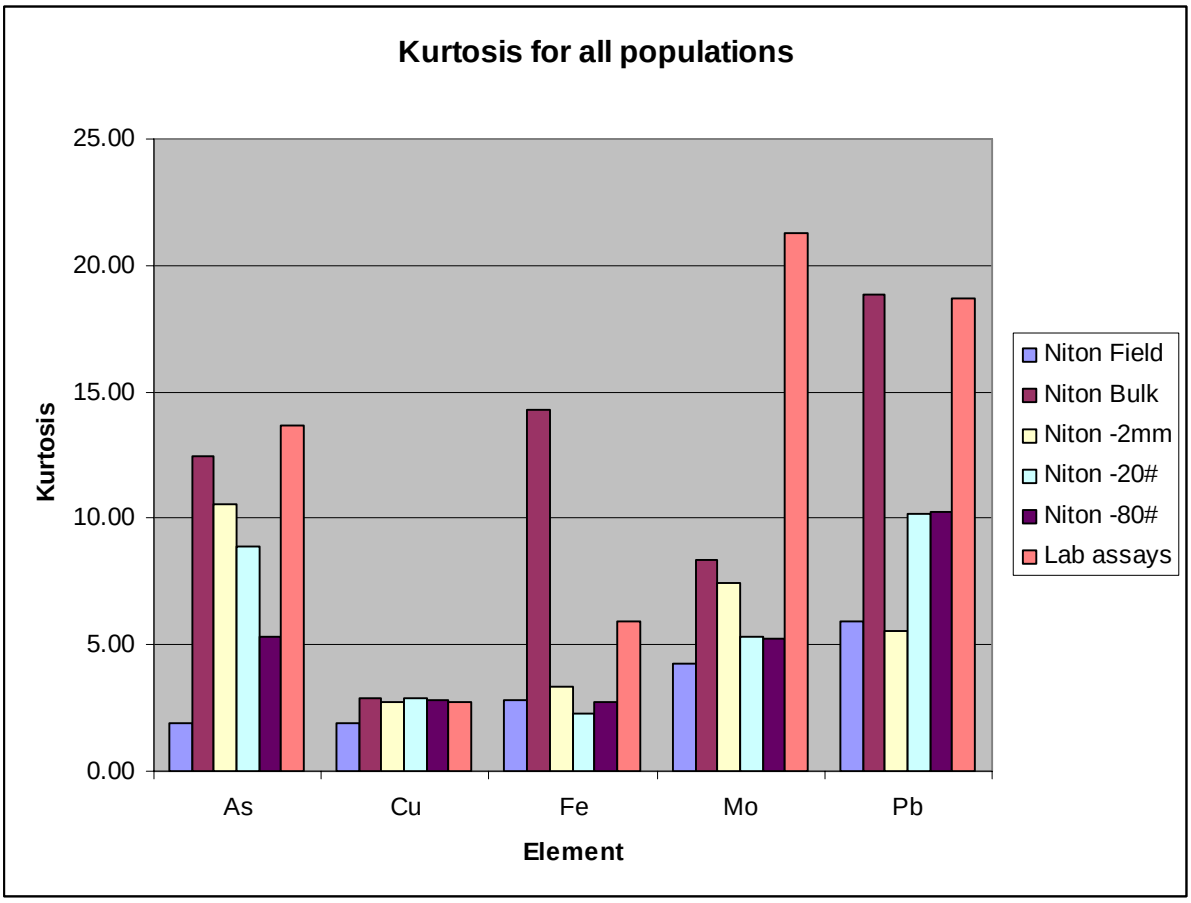


Figure 12 Plot of kurtosis for all populations

6.6 STATISTICS CONCLUSIONS

Statistical analysis of the results has indicated that, on the whole, there is little practical benefit to sieving samples. Key points are:

- For copper and molybdenum, bulk Niton readings produce the closest arithmetic and geometric means to the laboratory assays.
- -2mm sieved samples produce the closest coefficient of variation, although bulk Niton readings are also reasonably close.
- Skewness has little relevance to this exercise as it is greatly effected by detection limits, which are substantially higher for the Niton than for laboratory assays.
- Sieved samples have a kurtosis that is consistently lower than the laboratory assays, which suggests that sieving is actually removing some of the mineralised material.

It is therefore suggested that Niton readings can be taken from bulk soil samples with no prior sample preparation.

7 DUPLICATE SAMPLE SITES

During the various stages of soil sampling at the Gossans West prospect, a number of duplicate sites were sampled. See Figure 13 for locations.

Sixteen sites from the 2007 regional soil lines were re-sampled during the course of the Cockatoo Ridge grid sampling in 2009. Of those sixteen duplicate sites, ten of the Cockatoo Ridge soils were sent to the laboratory for analysis. The Niton readings for all 16 regional soil pulps can be compared to the 16 corresponding Cockatoo Ridge grid bulk samples.

Six sites were duplicated when the 2009 soil lines crossed, and while there are no laboratory duplicates for these samples, Niton readings can be compared.

Table 4 Niton readings as percentage differences for duplicate soil samples, Cockatoo Ridge

Sample number	Duplicate sample number	Difference (as % of Sample Number assay value)							
		As	Ca	Cu	Fe	Mn	Mo	Pb	Zn
PCN 696	PCN 407	-86	-62	-46	-101	-84	NA	-70	-29
PCN 663	PCN 411	23	68	-5	3	0	NA	-120	8
PCN 704	PCN 430	-108	-167	-103	-118	-70	100	NA	-257
PCN 671	PCN 434	-318	37	-39	-128	NA	NA	NA	-72
PCN 623	PCN 441	-11	-7	-203	-28	-12	NA	0	24
PCN 563	PCN 447	NA	-47	NA	-103	9	NA	-232	0
PCN 720	PCS 1029	53	-101	18	16	13	NA	14	-2
PCN 687	PCS 1031	5	-199	-8	21	2	NA	28	-9
PCN 391	PCS 1033	83	31	12	27	27	NA	100	-6
PCN 639	PCS 1035	35	-1463	-16	30	-278	25	24	NA
PCN 339	PCS 1037	21	-3	6	16	40	NA	NA	-26
PCN 579	PCS 1039	-11	-472	41	26	NA	82	100	35
PCN 281	PCS 1041	55	-78	2	68	45	NA	73	-28
PCN 528	PCS 1043	39	21	2	37	NA	NA	28	NA
PCN 231	PCS 1045	64	-675	12	43	-205	25	41	NA
PCN 480	PCS 1047	-9	-314	NA	-12	-26	21	-86	NA
PCN 187	PCS 1049	4	-65	26	32	39	NA	NA	34
PCN 145	PCS 1051	4	38	23	21	NA	NA	59	-53
PCN 103	PCS 1052	38	27	17	41	NA	76	49	30
PCN 059	PCS 1054	32	40	NA	15	21	100	25	27
PCN 016	PCS 1055	71	-48	NA	21	NA	NA	-54	NA
PCN 740	PCS 1056	-48	7	NA	-101	-36	60	-28	NA
Average % difference		**-3**	**-156**	**-15**	**-8**	**-32**	**61**	**-3**	**-20**
Average % difference, when expressed as an absolute value		**53**	**180**	**34**	**46**	**57**	**61**	**63**	**40**

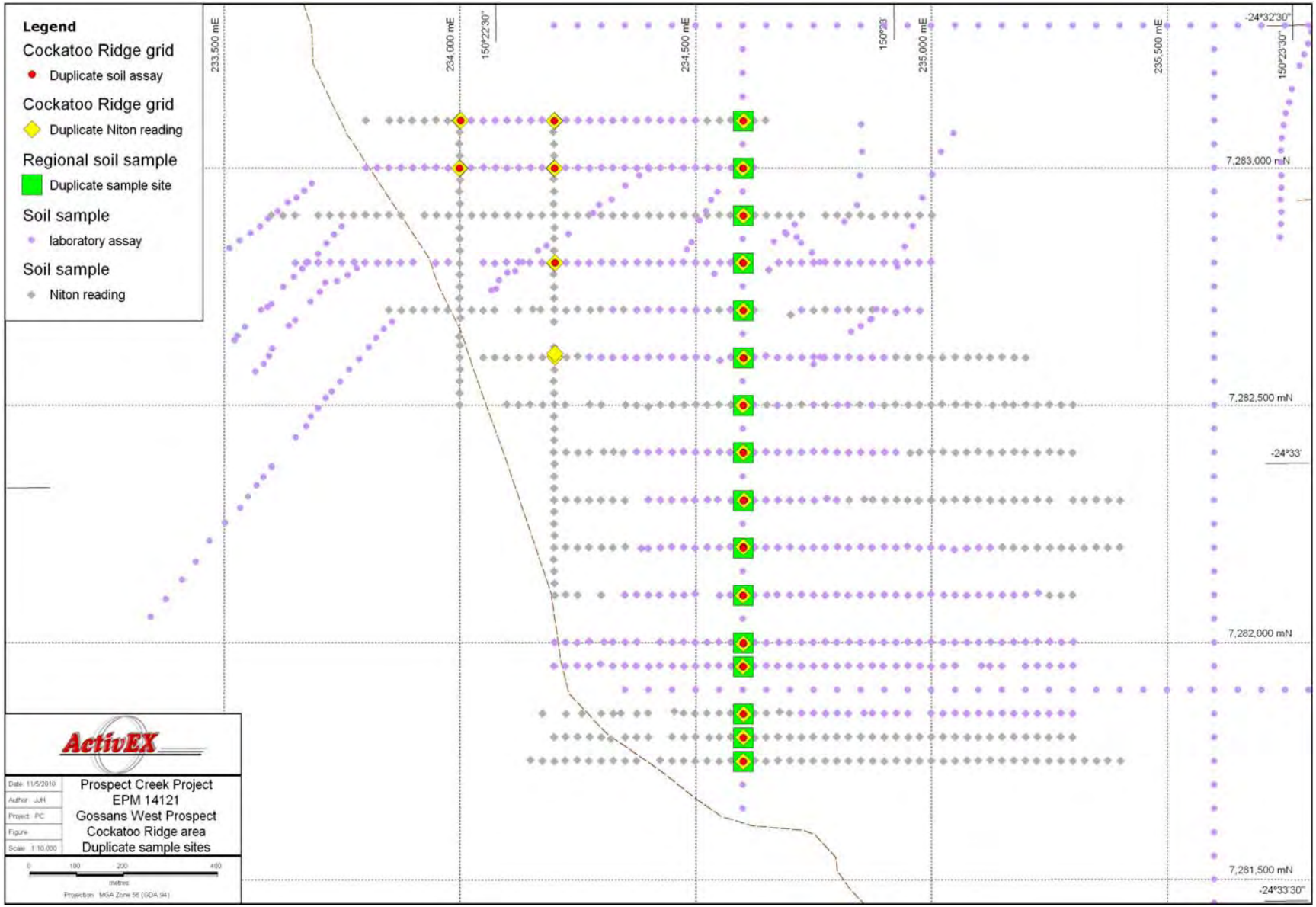


Figure 13 Duplicate samples location plan

Table 5 Laboratory assays as percentage difference for duplicate soil samples, Cockatoo Ridge

Sample Number	Duplicate Sample	Difference (as % of Sample Number assay value)															
		As	Bi	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	Zn
PCN 103	PCS 1052	-23	7	25	-54	-37	33	18	-37	33	6	65	-16	-88	-39	4	6
PCN 145	PCS 1051	18	-11	-36	-5	-17	0	-63	7	0	-6	-292	28	-27	-3	30	7
PCN 187	PCS 1049	23	76	-38	-11	-37	-50	-80	-73	-58	62	33	-22	31	2	20	-32
PCN 231	PCS 1045	-27	-53	42	-17	-25	43	41	-25	-25	-47	-78	-9	-8	-3	-58	-7
PCN 339	PCS 1037	5	9	-25	0	-4	0	-19	-18	0	0	-13	-27	-15	3	-3	-9
PCN 480	PCS 1047	48	5	-27	-28	-12	-50	-178	38	0	5	-60	46	51	50	-22	-80
PCN 528	PCS 1043	8	-14	-40	-18	-15	-50	-110	-12	50	-20	-57	51	8	19	-58	-40
PCN 579	PCS 1039	39	32	-40	-83	12	-33	-55	-15	-67	20	74	0	51	76	-150	-127
PCN 639	PCS 1035	24	-80	44	-6	-31	-20	54	-56	0	0	36	36	-45	-18	-36	53
PCN 687	PCS 1031	16	27	-10	-32	-23	0	-14	6	-33	-23	0	-18	14	1	-43	-30
Average % difference		**13**	**0**	**-10**	**-25**	**-19**	**-13**	**-41**	**-18**	**-10**	**0**	**-29**	**7**	**-3**	**9**	**-32**	**-26**
Average % difference, when expressed as an absolute value		**23**	**31**	**33**	**25**	**21**	**28**	**63**	**29**	**27**	**19**	**71**	**25**	**34**	**22**	**43**	**39**

Duplicate sample sites, as with all sample sites, were recorded by hand-held GPS. The GPS has a typical accuracy of $\pm$ 3 to 5m, and therefore duplicate sample sites should theoretically be no more than 10m apart.

The difference in values for the duplicate sample sites, for both Niton and laboratory results, showed a broad range of differences, expressed as percentages (see Table 5).

The difference in Niton readings, when expressed as an absolute percentage, was typically 40-60% for the elements previously shown to be more reliably tested by hand-held XRF (Sections 5 and 6). The noticeable exceptions were calcium, which showed less correspondence between duplicate samples, and copper, which showed slightly better correspondence.

The difference in duplicate laboratory assay values, when expressed as an absolute percentage, was lower than the duplicate Niton differences, but still notably high, at between 20 and 40% for most elements. Noticeable exceptions to this correspondence were manganese and sulphur, with 63% and 71% respectively.

Given that laboratory testing should be a more accurate method of analysis, it is interesting to note the lack of closer correspondence between duplicate samples.

It must be noted that with both analytical methods, anomalies were consistently detected, regardless of the accuracy between duplicate sample values.

8 SAMPLING DENSITY

Analysis of sample density shows that in a highly altered terrain, regional lines at approximately 1km x 50m spacing adequately identified the major anomalies. However, the regional lines at Gossans West were designed primarily to traverse several known, large lithocaps. To adequately assess largely soil covered areas, or areas with small, low outcrops, line spacing should be reduced to 500m spacing. Sample spacing along lines was adequate at 50m but could be extended to 100m with satisfactory results, if desired.

At the prospect scale, while the infill sample lines at 100m provided a clearer picture of the anomalies, the original 200m spaced lines provided an adequate first pass assessment of the lithocap. Samples collected at 50m spacing along lines would also provide ample first pass coverage.

The results of the comparison of laboratory results from the duplicate samples suggest the variable nature of such a highly altered environment will possibly return a slightly erratic picture regardless of sample density. However the sample density suggested here should still be suitable to broadly identify anomalous areas.

Given that the comparisons of assay values and Niton readings suggest that bulk soil samples are the preferred sample media, field readings can be collected from sites prepared as for bulk sampling. Sieving samples to -2mm may be a slight advantage for some elements, such as As, Pb and Fe, but overall, in terms of exploration efficiency, bulk samples should provide an adequate first pass assessment of a large area.

9 SWIR REFLECTANCE SPECTRAL STUDY

9.1 ANALYTICAL METHODS

Mineralogical data gathered over the Cockatoo Ridge and Oasis Ridge areas mainly comprised infrared spectral data collected using a PIMA SP. A small group of selected samples from Cockatoo Ridge were also analysed using X-ray Diffraction (XRD), in order to characterize the mineralogy of representative assemblages to aid in spectral interpretation, and to identify mineral components that do not have distinctive spectral signatures in the spectral range of the PIMA.

9.1.1 PIMA Infrared Reflectance Spectroscopy

The PIMA (Portable Infrared Mineral Analyser) is a compact field-portable infrared spectrometer that collects spectral data in the short-wave infrared region of the electromagnetic spectrum. The PIMA is particularly suited to the study of alteration and weathering mineral assemblages.

PIMA spectroscopy detects mineral absorption features in the Short Wave Infrared (SWIR) region of the electromagnetic spectrum, from 1300 to 2500 nm. The technique is especially useful for the identification of OH-bearing minerals (e.g. clays, phyllosilicates), carbonates and sulphates. However, certain minerals can have high detection limits (e.g. >20% for some carbonates and chlorites) and may not be detectable in mineral mixtures. In addition, some common minerals do not produce characteristic absorption features in this region of the spectrum and therefore cannot be detected using this method (i.e. they are non-reflective). Common non-reflective minerals include feldspars, crystalline quartz (although quartz can produce PIMA water absorption features due to the presence of fluid inclusions), and pyrite. In general, only two or three, and sometimes four, minerals can be reliably identified in a PIMA spectrum collected from a sample consisting of a mixture of minerals.

PIMA spectra were measured from approximately 1000 soil samples collected over the Cockatoo Ridge and Oasis Ridge prospects. The spectra were processed and interpreted using Pimaview™ spectral processing software. The mineral components were identified using visual interpretation, and the search-match functions within Pimaview™. The search-match functions were applied using a spectral library comprising samples from epithermal and porphyry systems, standard clays, physical mixtures of standard clays, and spectra of the soils from the Cockatoo Ridge that had been characterized by XRD.

In general, no sample preparation is required for PIMA spectroscopy, apart from ensuring samples are dry and not contaminated by materials such as diesel or drilling grease. The Prospect Creek soil spectra were collected from soil samples held in small glass petrie dishes.

9.1.2 X-Ray Diffraction

X-ray Diffraction (XRD) is used to detect and identify crystalline materials based on the crystalline structure of the materials being analysed. Bulk powder XRD for mineral identification in mixtures has a detection limit of around 0.5 to 2%, depending on the material. Generally, the more crystalline the material the lower the detection limit; very poorly crystalline materials will typically have higher detection limits. Amorphous materials cannot be identified using this method.

X-ray Diffraction is a useful adjunct to SWIR reflectance spectroscopy in alteration studies as it can provide additional information on the minerals that are reflective in the SWIR region, and it can detect minerals that do not have detectable responses in the SWIR region.

Twenty-three bulk soil samples from Cockatoo Ridge were analysed with XRD. Each sample was powdered by hand with an agate mortar and pestle. The powdered samples were prepared as specimens for X-ray Diffraction by mixing approximately 50 mg of each sample with distilled water and preparing as smear mounts on glass sample holders.

The smear mounted XRD specimens were analysed with a Siemens D5000 diffractometer fitted with a Cu tube, after the following treatments:

- drying at room temperature (untreated state);
- standing over an ethylene glycol bath at 60 degrees Celsius for >24 hours;
- heating to 320 degrees Celsius for one hour.

In samples containing multiple phases there can be overlap of XRD reflections, creating ambiguity in the interpretation. This ambiguity can be reduced to some extent by the application of various treatments (e.g. ethylene glycol treatment, heating). However, some phases, particularly if present in only minor amounts, cannot be confidently identified if there are not enough XRD reflections present for an unambiguous determination.

9.2 SAMPLE TYPES

The alteration study was carried out using soil geochemical samples collected along traverses over Cockatoo Ridge and Oasis Ridge, and along two cross lines linking the two areas. As discussed in preceding sections, the soil samples were of two types:

- Bulk samples comprising material collected from the B horizon with no further treatment.
- Soil pulp samples that had been pulverised as part of the preparation for laboratory assay analysis.

The sample types are illustrated in Figure 14, with bulk samples collected from east-west traverses across Cockatoo Ridge, and soil pulps from the north-south Oasis Ridge traverses and the north-south and east-west linking lines. The samples that were analysed by XRD are highlighted in Figure 14.

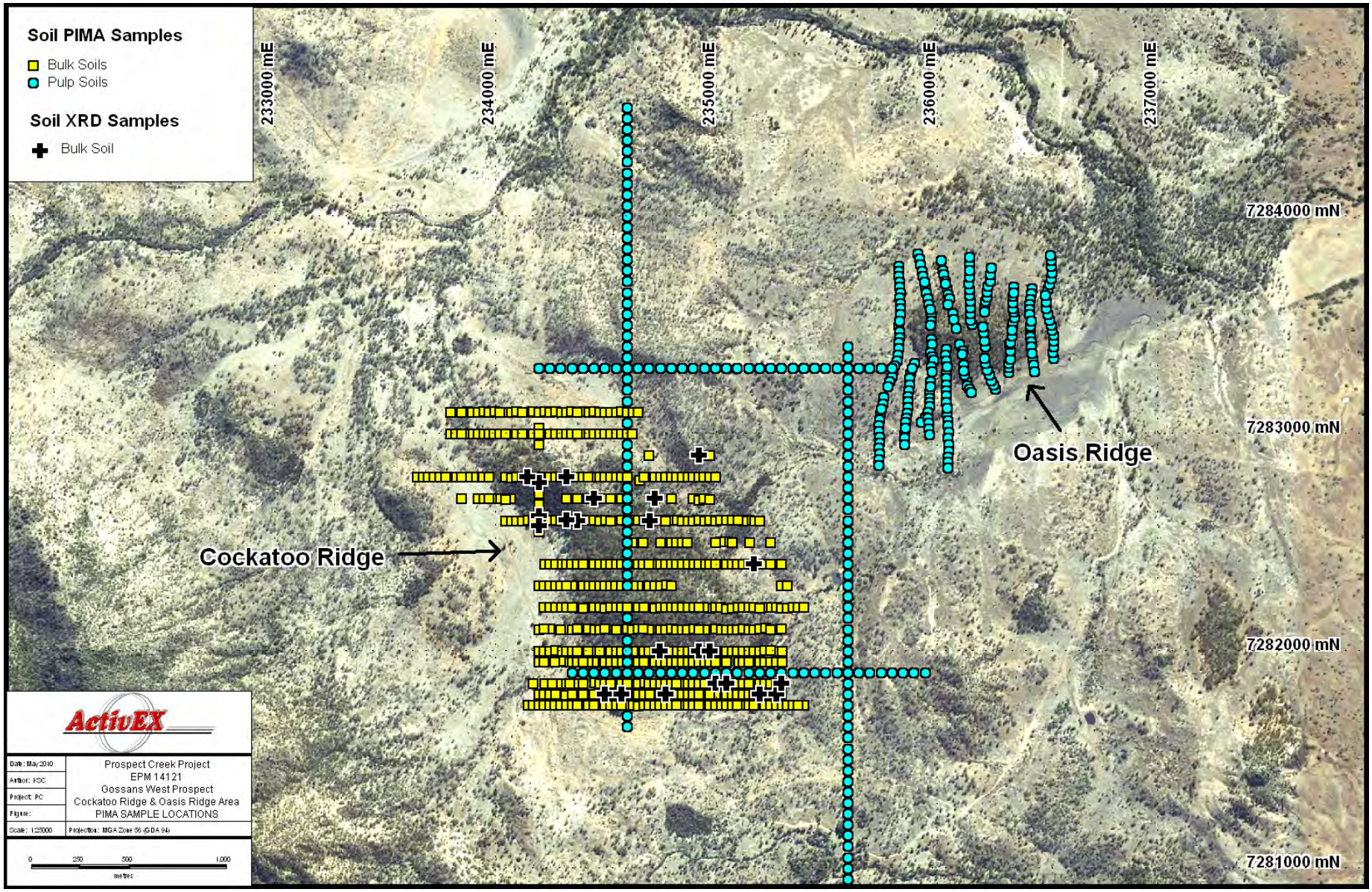


Figure 14 PIMA sample location plan

9.3 SPECTRAL RESULTS

9.3.1 Sample Types and Data Quality

Both the bulk soil samples and the pulp soil samples generally produced spectra of moderate quality. However, overall, spectra from the bulk soils produced more intense absorption features (Figure 15) which aided in interpretation and detecting minor phases. The bulk soil samples also typically produced more intense water absorption features than the pulp samples (the main water feature occurs around 1900 nm); this is probably due to the drying of the pulps during laboratory sample preparation.

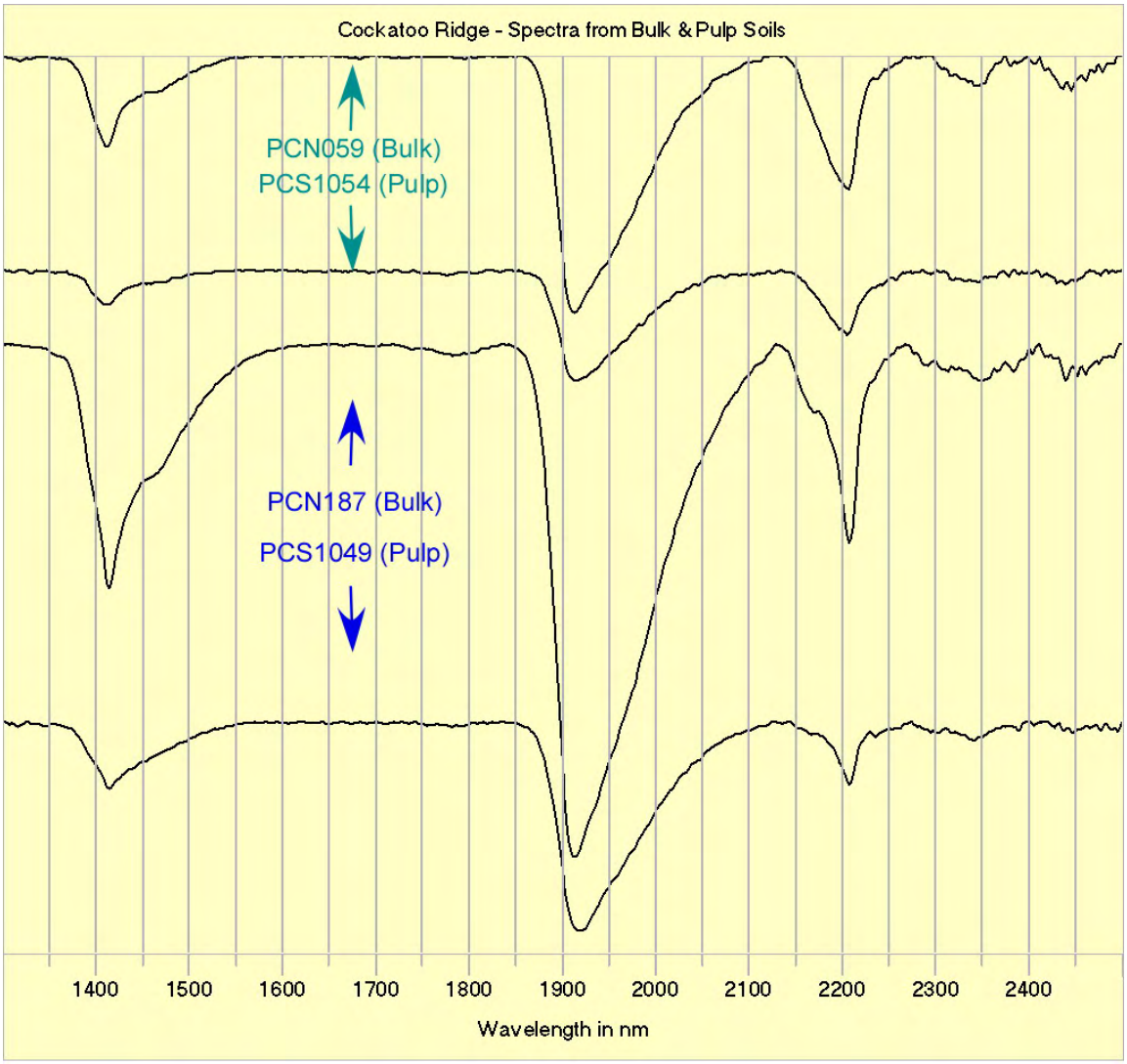


Figure 15 Hull quotient spectra from bulk and pulp soil samples illustrating the more intense response from the bulk soils.
Samples 059 and 1054 are from the same sample site, and samples 187 and 1049 are from the same site.

The soil samples commonly contained several SWIR responsive mineral phases, which produced complex spectra that were difficult to interpret using standard mineral libraries. However, the interpretation was greatly assisted by the XRD analysis of selected representative soil samples. The list of XRD samples and results are presented as Appendix 7.

9.3.2 Alteration Assemblages

Several alteration assemblages were identified in the soil samples from Cockatoo Ridge and Oasis Ridge based on the minerals identified in PIMA spectra.

The following minerals were identified as common components of the soil samples:

- alunite
- pyrophyllite
- dickite
- kaolinite
- illite
- interlayered illite-smectite (confirmed by XRD)
- smectite
- chlorite-like material

The designation of alteration assemblages was based on:

- the identification of the mineral components,
- an estimate of the relative abundance of the components, and
- the relative amount of the mineral component representing the lowest pH (most acid) alteration.

For example, a sample comprising kaolinite, illite and alunite was classified as an alunite assemblage, if the alunite was a significant component.

The interpreted alteration assemblages and their characteristic mineral components are listed in Table 6, and comprise assemblages characteristic of porphyry-related systems. Alunite, pyrophyllite, and dickite assemblages were identified based on the presence of these characteristic minerals. Illite-smectite and smectite-illite assemblages were identified based on the presence and relative abundances of illite and smectite. This was a subjective interpretation as the spectral data are not quantitative, however, efforts were made to ensure the estimations of relative abundances were consistent.

The definition of chlorite-bearing assemblages was a tentative classification. The absorption features in the PIMA spectra are consistent with a poorly crystalline Fe-Mg phase; the limited XRD data suggests the presence of a chlorite-like material that may be poorly crystalline interlayered material, however, the material could not be adequately characterised. The designation of “chlorite”-bearing assemblages from the PIMA spectra, therefore, has been used to indicate the presence of a poorly crystalline Fe-Mg phase, rather than chlorite *sensu stricto*. The discrimination of smectite-“chlorite” from “chlorite”-smectite assemblages was based on estimating which was the relatively more abundant phase; the distribution of these assemblages, as shown on the accompanying figures, was highly interpretive. Carbonates were also difficult to identify in the soil samples, and further analytical work would be needed to confirm the nature and abundance of carbonates and possible chlorite minerals in the prospect area.

The list of accompanying minerals listed in Table 6 indicates that, as mentioned above, the soil samples commonly consisted of several mineral phases. This is due, in part, to the nature of a soil sample where components may have been sourced from several outcrops, and some may have been transported downslope which will cause an effective “smoothing” of the mineralogy.

Table 6 Mineral assemblages and characteristic minerals in soil samples

	Alteration Type	Diagnostic Minerals	Commonly Associated Minerals
increasing pH ↓	**Alunite**	Alunite	Dickite, Kaolinite*, Illite, Smectite local pyrophyllite minor local topaz
	Pyrophyllite	Pyrophyllite	Kaolinite*, Dickite, Illite, Smectite local alunite
	Dickite	Dickite	Kaolinite*, Illite, Smectite local pyrophyllite minor local topaz
	Illite – Smectite	Illite, Smectite, Interlayered Illite-Smectite (overall Illite > Smectite)	Kaolinite*, Jarosite
	Smectite – Illite	Smectite, Illite (overall Smectite > Illite)	Kaolinite*, Jarosite
	Smectite	Smectite	Kaolinite*, Illite possible local carbonate
	Smectite – "Chlorite"	Smectite, Chlorite-like material (and interlayered Chlorite-Smectite?)	Illite, Kaolinite* possible local carbonate
	"Chlorite" – Smectite	Chlorite-like material, Smectite (and interlayered Chlorite-Smectite?)	Illite, Kaolinite* Carbonate? – possibly Ankerite

*Kaolinite was an almost ubiquitous component of the soil samples and was not used as a diagnostic mineral

9.3.3 Distribution of Alteration

The alteration assemblages identified in each PIMA soil sample are shown overlain on a Google Earth image in Figure 16. Figure 17 shows a map of the alteration which was constructed by gridding the alteration assemblages, overlain on a Google Earth image. A subsample of the alteration samples at a density of approximately 50 m sample spacings with 200 m line spacings, over the Cockatoo Ridge prospect, produced a similar alteration distribution to that illustrated in Figure 17.

The core alteration assemblages at both Cockatoo Ridge and Oasis Ridge are low pH assemblages. The most acid alteration (alunite - shown in red) occurs mainly along the elevated areas at Cockatoo Ridge; and is more abundant in the northern part of the prospect area. At Oasis Ridge the alunite was identified in a narrow east-west zone along or near the top of the ridge, and a small zone off the southern edge of the main topographic feature. In general, the alunite alteration at both prospects zones outwards to Al-rich assemblages with pyrophyllite or dickite alteration, although pyrophyllite appears to be more abundant in the south of Cockatoo Ridge than in the north. Dickite alteration is more widespread than pyrophyllite and generally appears to be surrounded by illite-smectite or smectite-illite alteration.

The illite and smectite dominated assemblages occur peripheral to the low pH alteration assemblages. Illite dominated alteration commonly forms an envelope of variable width around the low pH alteration. The smectite assemblages are more widely distributed and extend into the lower lying areas surrounding the immediate prospect areas. Some of the smectite may be due to weathering, particularly in areas with weak clay development. The “chlorite”-like material in the distal areas appears to represent a weak event, and the distribution of this material may represent weathering or weak alteration of different volcanic lithologies.

Topaz (an Al-fluorosilicate) was identified locally associated with alunite alteration at both Cockatoo Ridge and Oasis Ridge; a previous PIMA study of several rock chip samples from Oasis Ridge also identified local zunyite (also an Al-fluorosilicate) associated with dickite alteration (Camuti, 2007).

Epidote was identified in one soil sample, located on the south western side of Oasis Ridge within an area of illite and smectite alteration (Figure 17). Jarosite was identified as a minor component in several samples and is interpreted to have formed as a product of the weathering of sulphide minerals.

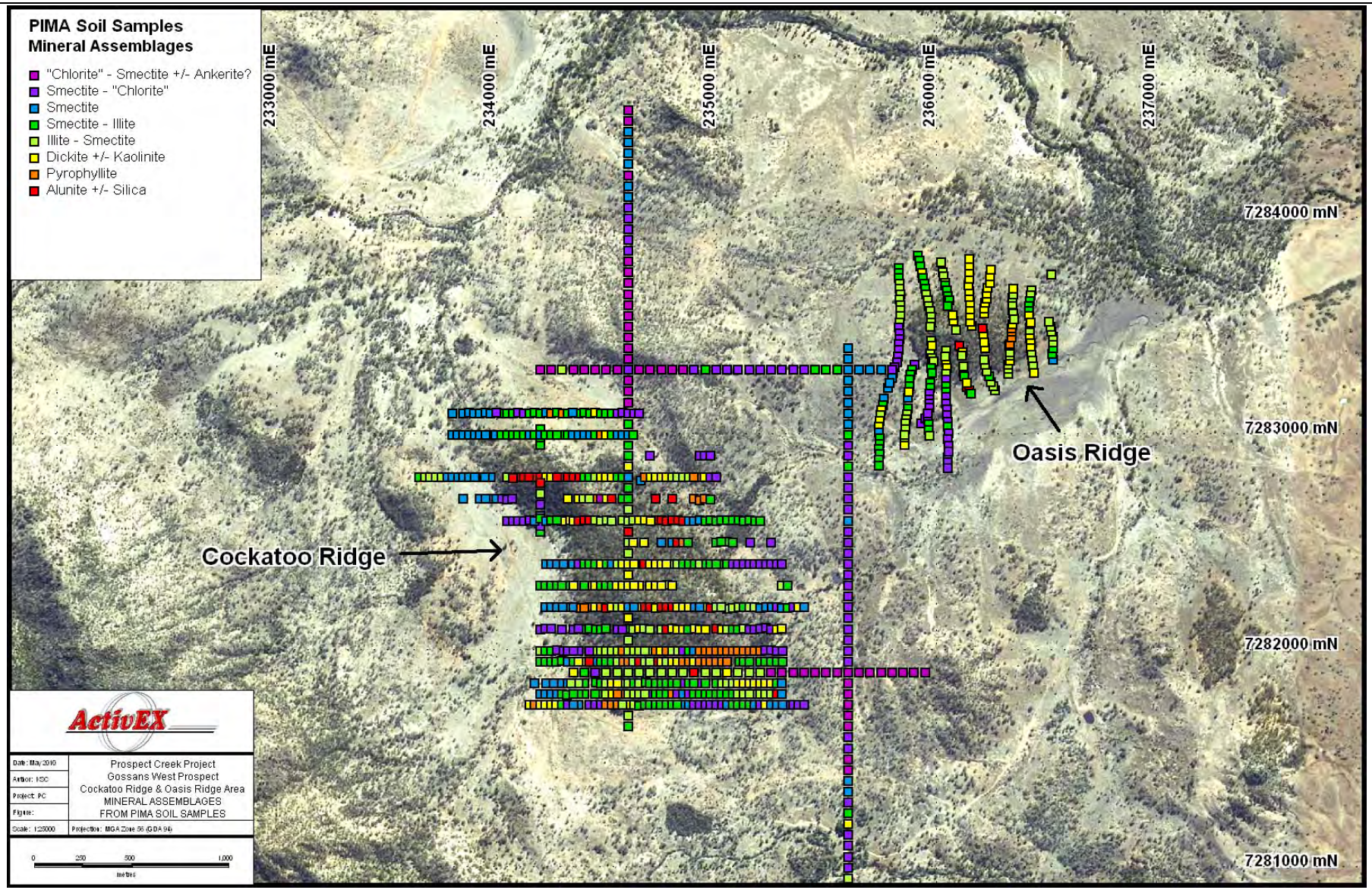


Figure 16 Distribution of mineral assemblages in PIMA soil samples

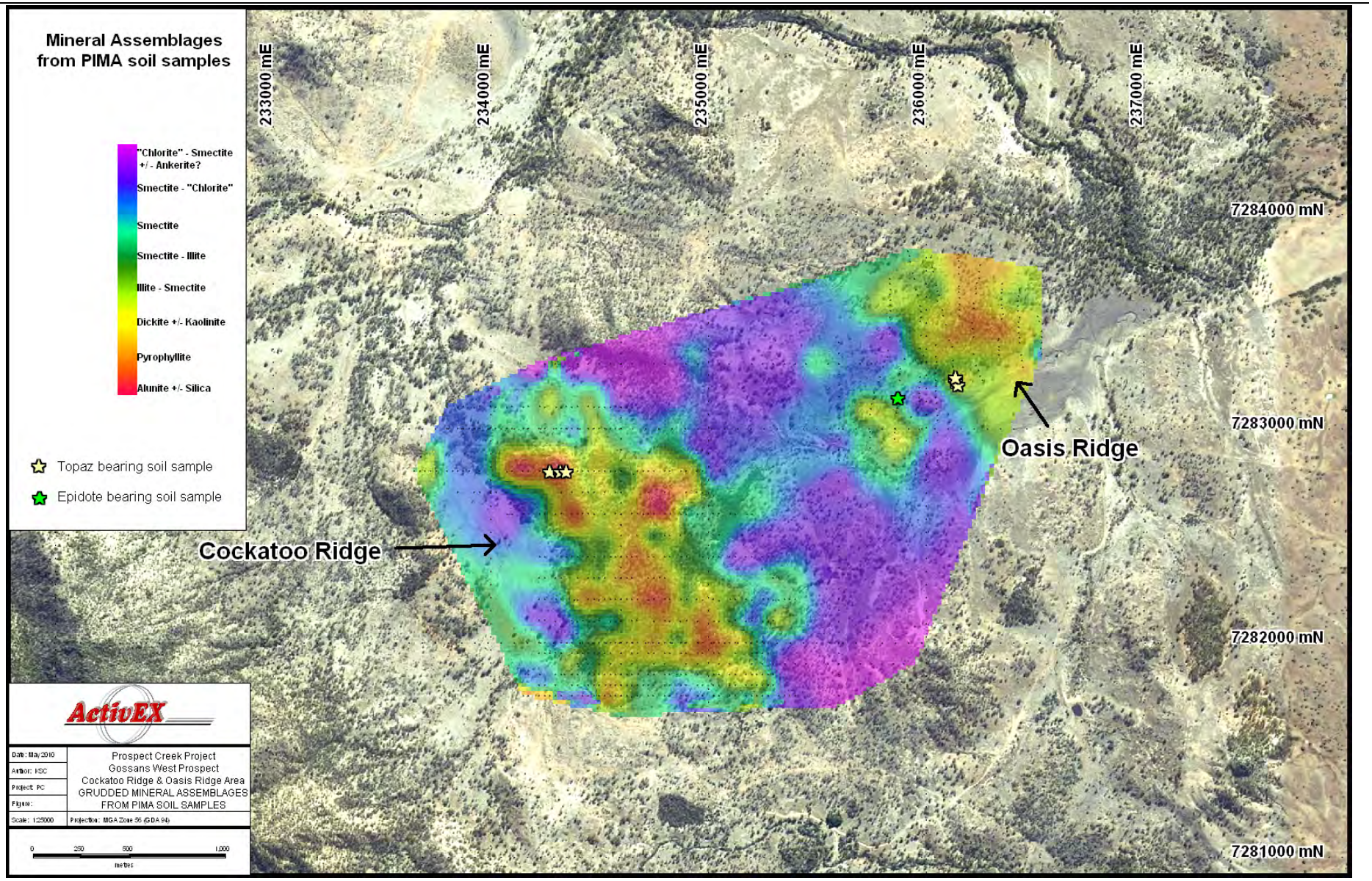


Figure 17 Gridded mineral assemblages in PIMA soil samples

9.4 ALTERATION AND SOIL GEOCHEMISTRY

The distribution of alteration assemblages at Cockatoo Ridge and Oasis Ridge was compared with the distribution of selected elements associated with porphyry mineralisation – particularly Cu, Mo, Au, As, Sb and Hg. The maximum values for these elements in soil samples from the two prospects are listed in Table 7. Areas of elevated metals from the laboratory assay data are shown in Figures 18 and 19 and compared with the distribution of alteration.

Several spatial relationships have been noted at Cockatoo Ridge and Oasis Ridge. At both prospects elevated Mo is spatially related to zones of acid alteration, either coincident with or peripheral to areas with alunite (Figure 18). While overall Cu values are not highly anomalous, as mentioned in Section 6, and it is possible that some areas of elevated Cu may be due to high background levels in the volcanics, the distribution of elevated Cu with respect to alteration and other metals suggests there may be a relationship to hydrothermal mineralisation. Elevated Cu is marginal to both the Mo and the areas of more acid alteration, and is spatially associated with dickite, illite, or smectite alteration. At Cockatoo Ridge, elevated Mo is more extensive in the southern part of the prospect while elevated Cu is more aerially extensive in the north, extending off the northern slope of the prospect area.

Elevated Au is spotty and spatially associated with both Mo and Cu (Figure 18), and locally with Ag (not shown in Figure 18); the highest Au value at Cockatoo Ridge (95 ppb) occurs in the north associated with the most extensive area of elevated Cu. Areas of elevated Au are associated with the range of alteration minerals.

Areas of elevated As and Sb are closely coincident at both Cockatoo Ridge and Oasis Ridge (Figure 19), although Sb values are very low. Both these metals are spatially associated with acid alteration, especially zones of alunite and pyrophyllite alteration.

Spotty elevated Hg occurs locally in both Cockatoo Ridge and Oasis Ridge, but the highest values (up to 720 ppb) and the most extensive area of anomalism occurs off the northern end of Cockatoo Ridge, associated with smectite-illite alteration.

Other spatial relationships noted, although not shown in the accompanying figures, include a close association between elevated Pb and Mo at both Cockatoo Ridge and Oasis Ridge, with the 25 ppm Pb contour showing a close correlation with the 8 ppm Mo contour. Overall, Pb levels are low, however, Pb anomalism in the south of Cockatoo Ridge is focussed around several moderately anomalous values of over 100 ppm, with one highly anomalous value of 1.34%. Also noted was that areas of elevated Ag are typically associated with Pb, and with areas of acid alteration. A complete set of plots for all elements, shown over the gridded PIMA data, are included in Appendix 4.

A comparison of Mo, Cu and As soil results from both laboratory and hand-held XRF data over Cockatoo Ridge produced encouraging results (Figures 20, 21 and 22). Areas of elevated geochemistry are broadly coincident, and the hand-held XRF data, in general, illustrate similar spatial relationships with the alteration assemblages as the laboratory assay data (Table 7).

Features noted from the data type comparisons are:

- The area of elevated Mo in the south of Cockatoo Ridge is more extensive in the hand-held XRF data. However, checking against individual assay values suggests this is largely a function of the choice of contour outline. (e.g. a choice of 7.5 ppm Mo contour for the laboratory data would have given a very similar outline to the 8 ppm hand-held XRF outline).
- The areas of elevated Cu in the south and centre of Cockatoo Ridge are more extensive in the hand-held XRF data.
- A 70 ppm As cut off for the hand-held XRF data produced very patchy and discontinuous contours; 60 ppm As was found to outline areas that were more spatially coherent, and correlated closely with the 70 ppm As contour from laboratory assay data. (This is in agreement with the finding that anomalous Niton As values were typically slightly lower than the laboratory assay data – see Section 5.4.)

Table 7 Maximum metal values in soil samples at Cockatoo Ridge and Oasis Ridge

Element	Cockatoo Ridge Maximum Values		Oasis Ridge Maximum Values	
	Laboratory Data	Hand-held XRF Data	Laboratory Data	Hand-held XRF Data
Mo	44.3 ppm	32.1 ppm	16.2 ppm	NA
Cu	166 ppm	166 ppm	163 ppm	NA
Au	95 ppb	NA	6 ppb	NA
As	274 ppm	188 ppm	103.5 ppm	NA
Sb	6.3 ppm	NA	2.14 ppm	NA
Hg	720 ppb	NA	230 ppb	NA
Pb	13,400 ppm	141 ppm	38 ppm	NA
Ag	580 ppb	NA	80 ppb	NA

Table 8 Generalised spatial relationships between alteration and metals in soils

Element	Cockatoo Ridge		Oasis Ridge	
	Laboratory Data	Hand-held XRF Data	Laboratory Data	Hand-held XRF Data
Mo	Mainly occurring on the margins of zones of alunite and pyrophyllite alteration.	Mainly occurring on the margins of zones of alunite and pyrophyllite alteration.	Mainly occurring on the margins of zones of alunite and pyrophyllite alteration.	NA
Cu	Marginal to zones of alunite and pyrophyllite, and coincident with dickite, illite and smectite.	Marginal to zones of alunite and pyrophyllite, and coincident with dickite, illite and smectite.	Marginal to zones of alunite and pyrophyllite, and coincident with dickite, illite, smectite and “chlorite”, and local epidote.	NA
Au	Spotty. Coincident with illite and smectite alteration. Minor coincidence with alunite alteration.	NA	Spotty. Coincident with dickite, illite, smectite and “chlorite” assemblages	NA
As	Largely correlates with alunite and/or pyrophyllite alteration	Largely correlates with alunite and/or pyrophyllite alteration	Mainly correlates with dickite or illite. Locally marginal to pyrophyllite.	NA
Sb	Largely correlates with alunite and/or pyrophyllite alteration	NA	Marginal to alunite and pyrophyllite alteration.	NA
Hg	Mainly coincident with smectite alteration.	NA	Minor. Coincident with dickite alteration.	NA
Pb	Mainly coincident with alunite, pyrophyllite and dickite alteration.	Mainly coincident with alunite, pyrophyllite and dickite alteration.	Coincident with dickite and illite alteration	NA
Ag	Spotty. Associated with alunite, pyrophyllite, dickite, illite, smectite.	NA	Spotty. Associated with alunite, dickite, illite, smectite.	NA

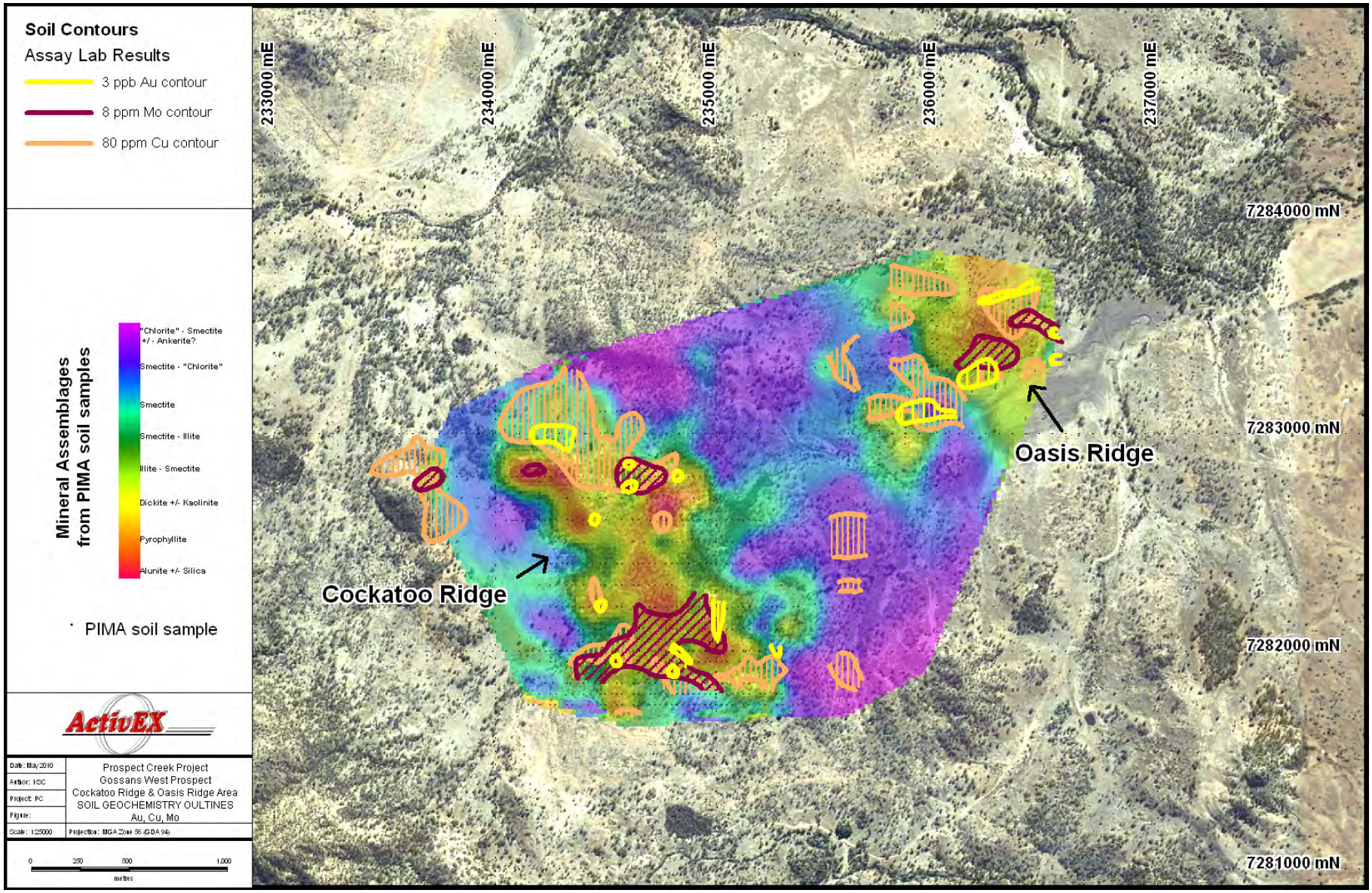


Figure 18 Cu-Mo-Au contours over gridded alteration (metal values from laboratory assay data)

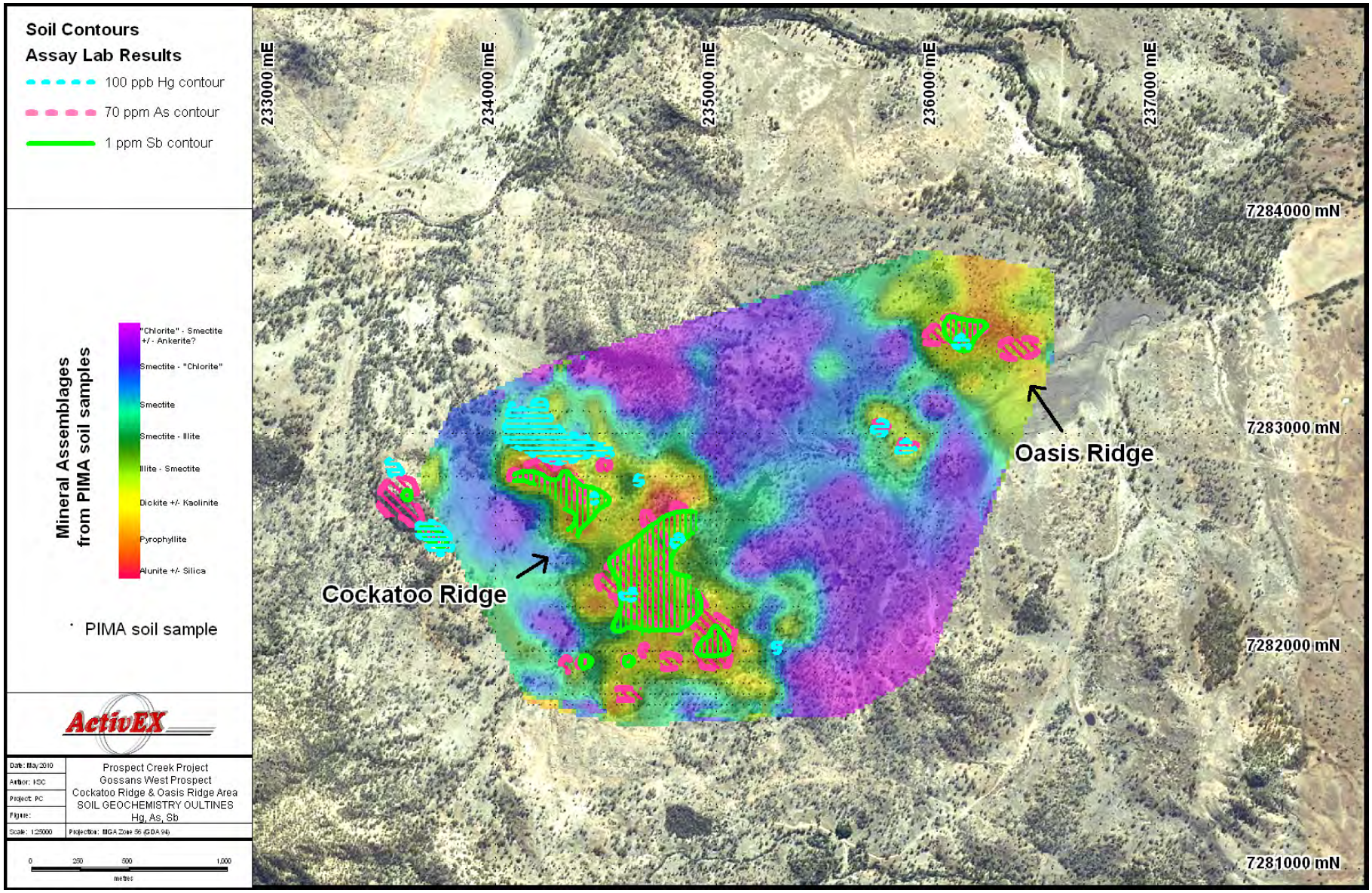


Figure 19 As-Hg-Sb contours over gridded alteration (metal values from laboratory assay data)

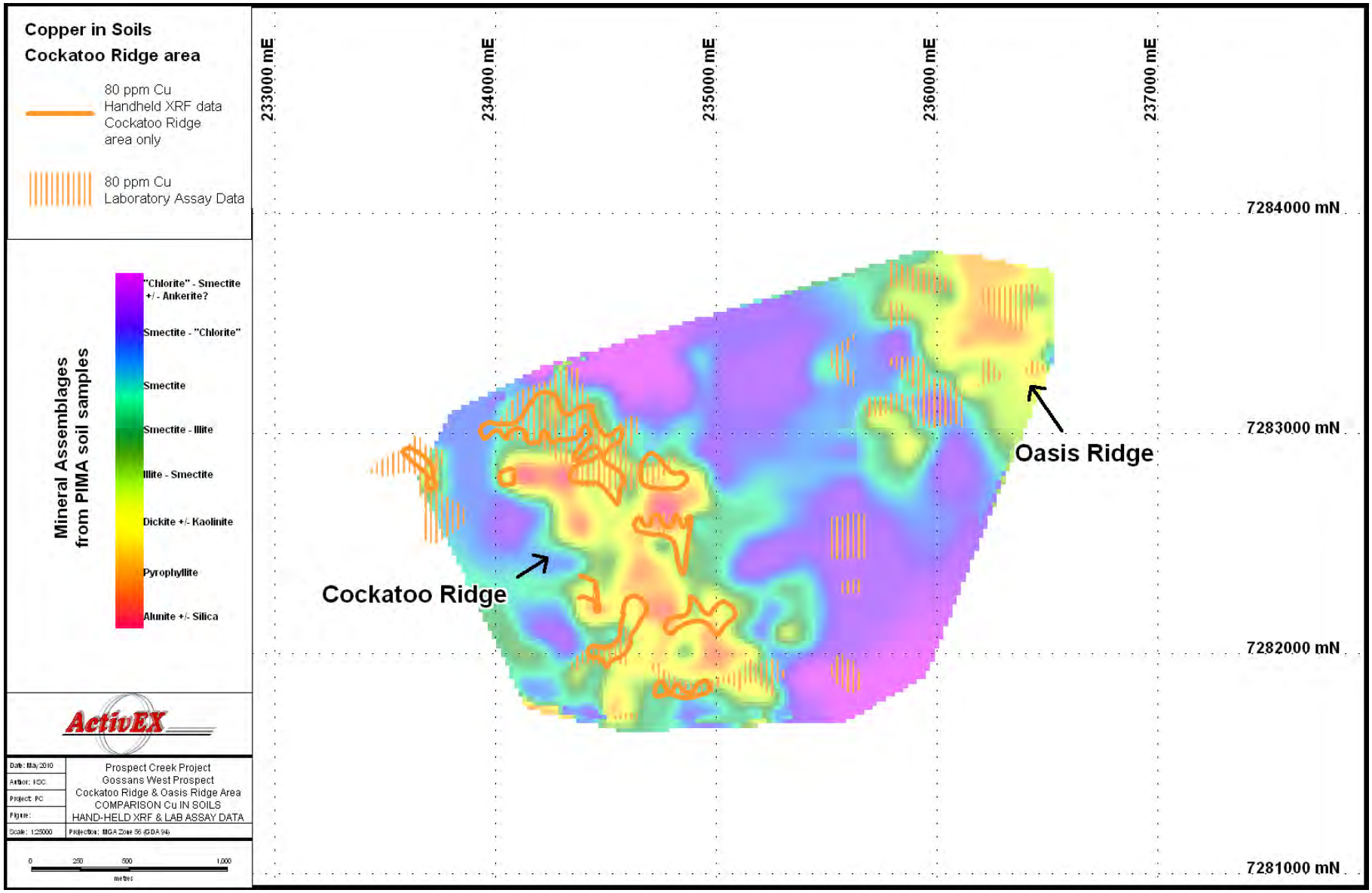


Figure 20 Comparison of Cu contours – lab & Niton assay data

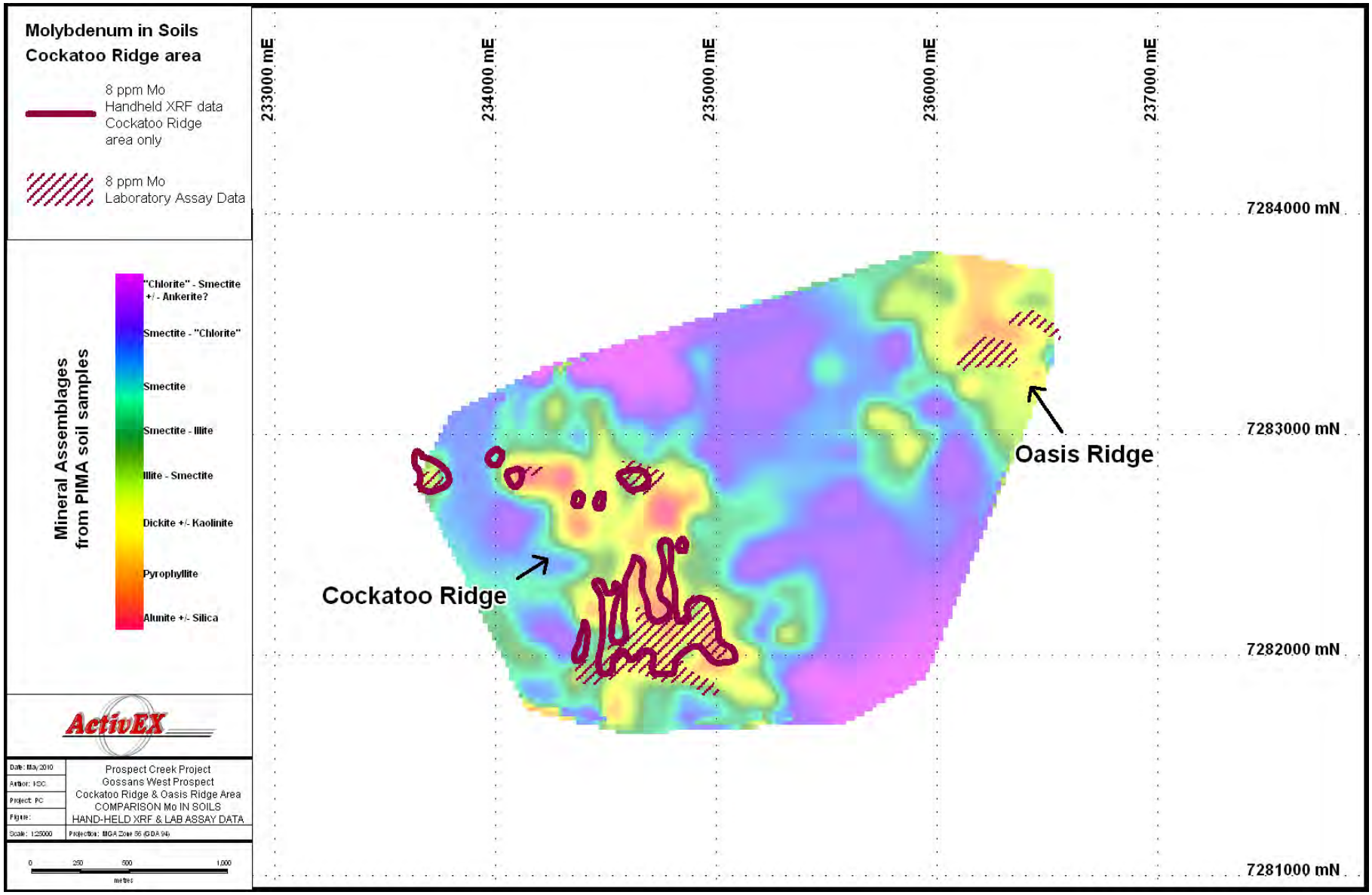


Figure 21 Comparison of Mo contours – lab & Niton assay data

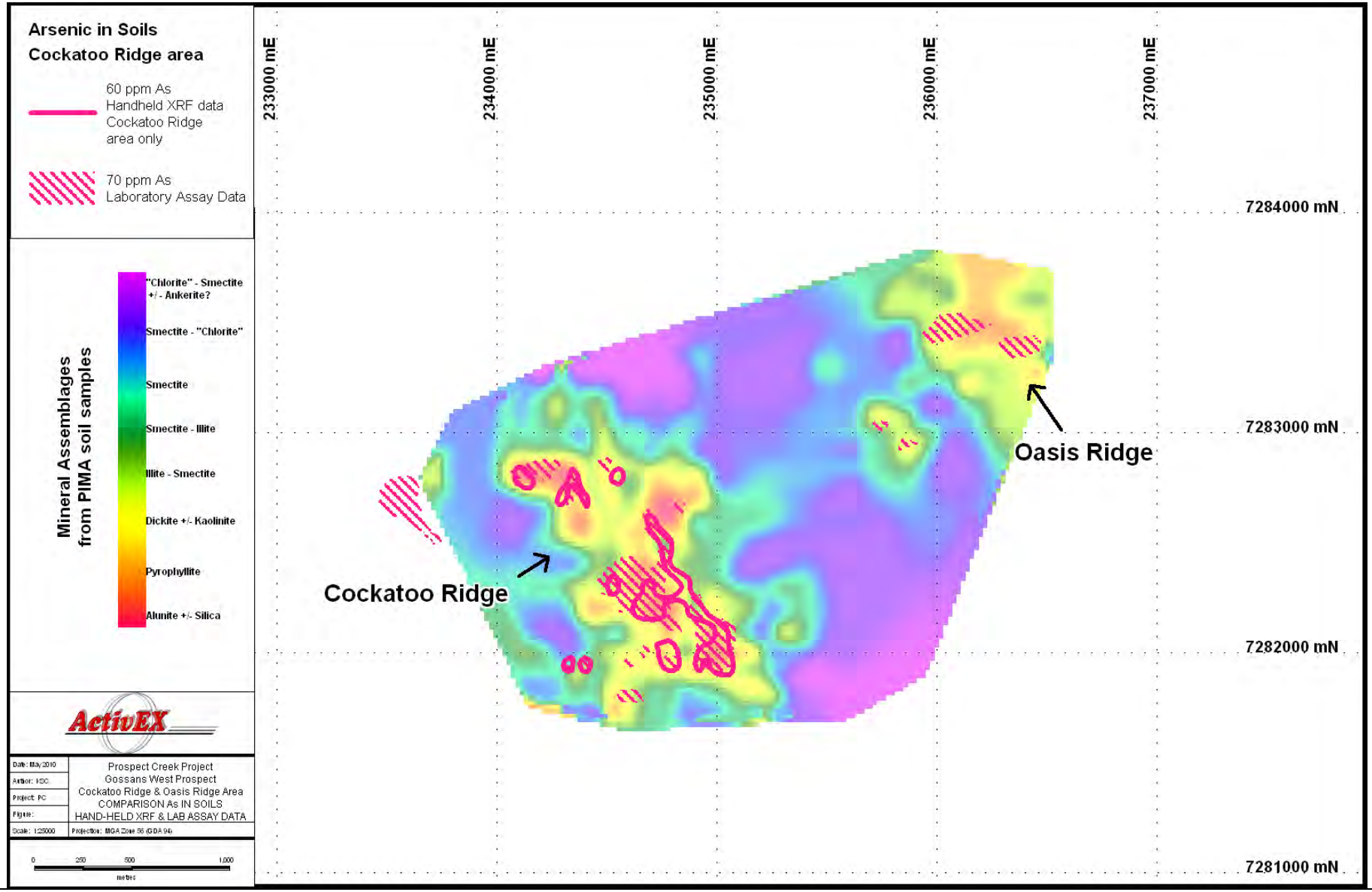


Figure 22 Comparison of As contours – lab & Niton assay data

9.5 ALTERATION AND AEROMAGNETICS

The zones of advanced argillic alteration at Cockatoo Ridge and Oasis Ridge occur within areas of relatively flat magnetic response (Figure 23). At Cockatoo Ridge the alteration zones in the north are located adjacent to small bullseye magnetic highs; in the south the zones appear to be peripheral to a low intensity subcircular magnetic feature. At Oasis Ridge the advanced argillic alteration zones are peripheral to two small moderate intensity bullseye magnetic features.

Figure 24 presents a slightly wider view of the area and incorporates other areas of anomalous mineralisation in the Gossans West prospect. The Cockatoo Ridge area appears to occur in the approximate centre of a sub-circular area of relatively flat magnetic response that is located on a NW magnetic lineament. The overall NNW to NW linear magnetic trend in the surrounding areas may be reflecting bedding in the shallow dipping volcanics.

It is possible that the zones of subdued magnetic response associated with many of the areas of anomalous mineralisation at Gossans West represent extensive areas of magnetite destruction in the volcanics due to hydrothermal alteration. The local small magnetic highs peripheral to the advanced argillic alteration may represent remnants of unaltered volcanics. However, these magnetic features may also represent areas of magnetite-bearing alteration associated with the intrusion of porphyry stocks, and therefore present targets for further exploration.

9.6 ALTERATION AND ASTER IMAGERY

The processed ASTER images are largely dominated by the effects of vegetation over the lithocap areas and comparison of the spectral results from this study with the images over the Gossans West prospect area did not provide any major insight into the broader distribution of alteration.

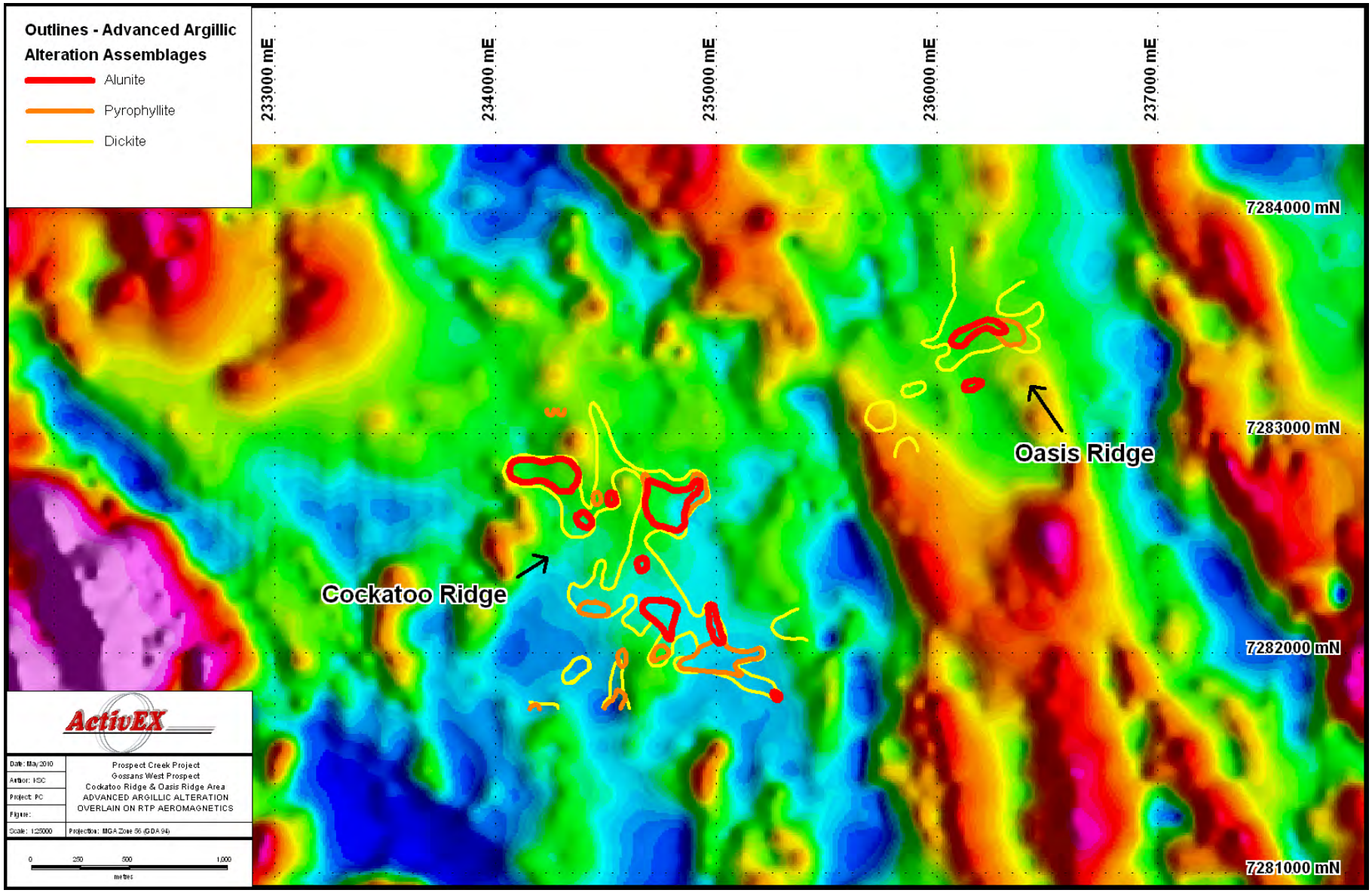


Figure 23 Alteration outlines overlain on RTP magnetic data

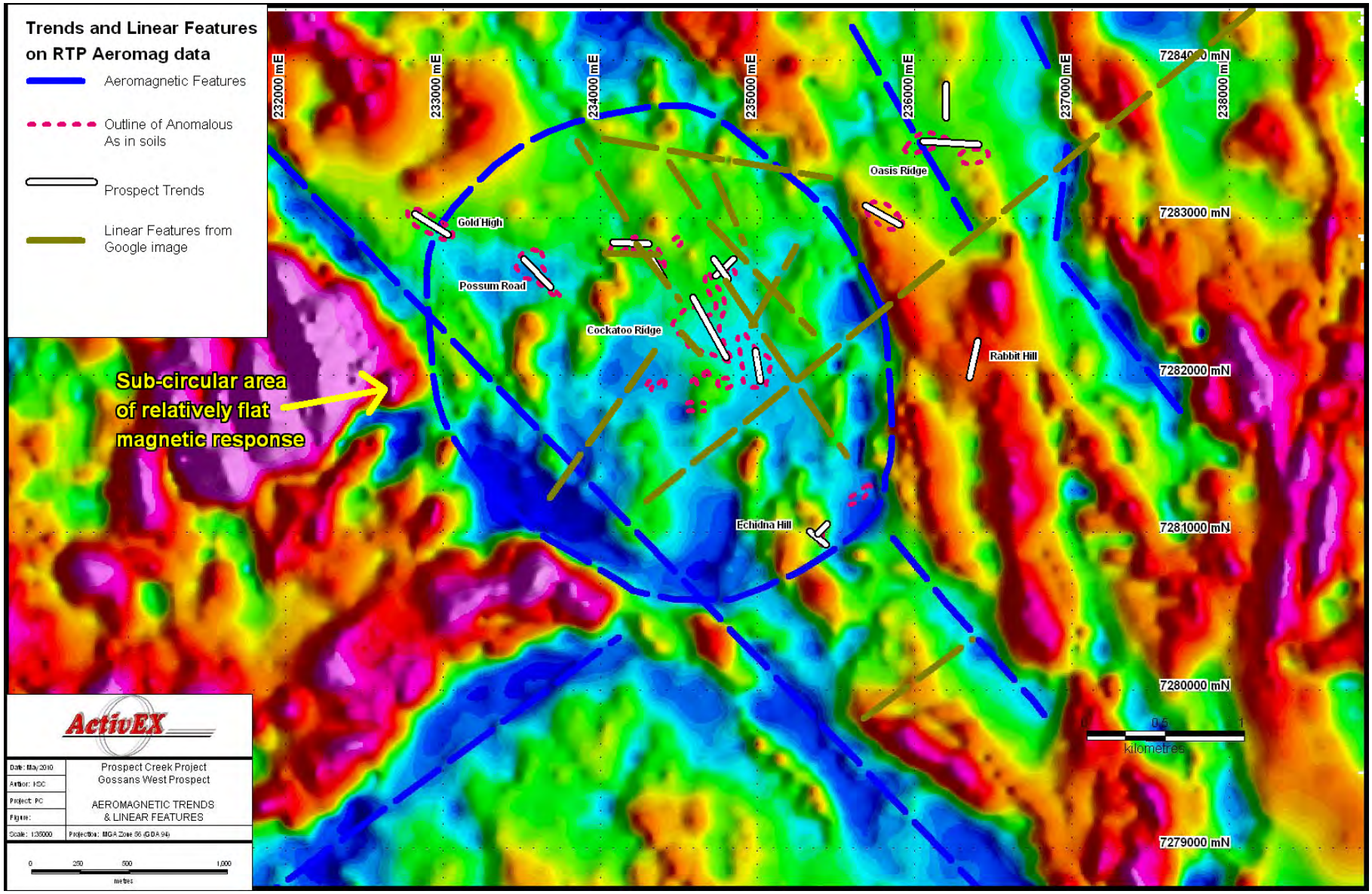


Figure 24 Magnetic features (circular, linear), mineralisation trends, As on RTP magnetics

10 DISCUSSION

The combined soil geochemistry and mineralogy surveys at Cockatoo Ridge and Oasis Ridge have been successful in identifying areas of intense alteration, delineating alteration zoning, and identifying spatial relationships between elevated metals and alteration. The geochemical data from both laboratory assays and the hand-held XRF, and the mineralogical data from the PIMA, have confirmed that the Cockatoo Ridge and Oasis Ridge areas have geochemical and alteration signatures consistent with porphyry-related alteration and mineralisation, and have allowed further development of models for mineralisation.

The mineralogy and spatial relationships of the low pH alteration assemblages at Cockatoo Ridge and Oasis Ridge are consistent with advanced argillic alteration. The areas of advanced argillic alteration that characterise these two prospects possibly represent erosional remnants of porphyry-related lithocaps formed by pervasive acid alteration of permeable volcanic units. Sillitoe (2010) summarises many of the features of lithocaps in porphyry copper systems:

- Lithocaps comprise lithologically controlled zones of pervasive advanced argillic alteration with structurally controlled components, including subvertical root zones.
- The remnant lithocaps may wholly or partially overlie and conceal porphyry Cu deposits, or occur alongside them above propylitically altered rock (Figure 25).
- The advanced argillic alteration that characterises the lithocaps may be zoned with cores of vuggy, residual quartz and associated silicification, rimmed outward and downward by bands of quartz-alunite, quartz-pyrophyllite-dickite/kaolinite (the pyrophyllite and dickite at hotter deeper levels than kaolinite), and chlorite-illite/smectite.
- High sulphidation-state Au, Ag- Cu-bearing sulphide assemblages tend to be confined to the vuggy quartz and silicified rock.

The alteration zoning identified at Cockatoo Ridge and Oasis Ridge is consistent with the zoning at deeper levels in the lithocaps (i.e. with pyrophyllite and dickite). Local topaz and zunyite indicate the hydrothermal fluids were F-rich. The advanced argillic zones at Gossans West may represent erosional remnants of one or more larger lithocaps that could have been related to one or more intrusions of porphyry stocks (Figure 25). According to Sillitoe (2010) the size of porphyry stocks does not appear to bear any obvious relationship to the size of the associated porphyry Cu deposits and their Cu contents.

The close spatial association of the acid alteration with anomalous As and Sb at Cockatoo Ridge and Oasis Ridge is consistent with high sulphidation mineralisation. Anomalous Cu would also be expected to occur with the acid alteration, due to the presence of Cu-As minerals such as enargite. However, at both Cockatoo Ridge and Oasis Ridge the copper values are low over the most acid assemblages, and the highest copper occurs peripheral these assemblages and in the surrounding illite and smectite zones. The relatively low Cu values in the lithocaps may, however, be due to copper leaching during weathering – particularly in an environment where the highly altered host rocks have only limited ability to buffer the acid waters developed during sulphide oxidation. Arsenic in surface waters is apparently less mobile than copper (Ardau et al., 2008) and mineralogical evidence has suggested that antimony is not very mobile in the supergene environment (Diemar et al., 2008). The relative mobility of copper compared to arsenic and antimony may have resulted in near-surface Cu depletion with respect to As and Sb in the Gossans West lithocaps. Alternatively, the elevated As and Sb that are spatially associated with

the acid alteration may represent low sulphidation epithermal mineralisation overprinting the advanced argillic alteration, as suggested by Corbett (2008).

Metal zoning in porphyry Cu systems is characterized by a Cu +/- Mo +/- Au core and the broad-scale zoning patterns in the deeper parts of the system can persist into the overlying lithocap environment (Sillitoe, 2010). Anomalous Mo occurs coincident and marginal to advanced argillic assemblages at Cockatoo Ridge and Oasis Ridge, and may be reflecting deeper level porphyry-related mineralisation. Overall, Cu and Au values in soils at Cockatoo Ridge and Oasis Ridge are low. However, the distribution of relatively elevated Cu peripheral to the advanced argillic zones, warrants investigation. The spatial association of elevated Cu with anomalous Hg in the north of Cockatoo Ridge is of interest, and is perhaps another indicator of an overprinting low sulphidation epithermal system.

Cockatoo Ridge appears to be located in the approximate centre of a subcircular area of subdued magnetic response that may reflect extensive magnetic destruction by hydrothermal alteration (Figure 24). The main linear features observed in aeromagnetic data, Google Earth images, and in prospect scale alteration and mineralisation, indicate a strong NW trend at approximately 320 degrees. This trend is apparent to the south-east of Cockatoo Ridge in the aeromagnetic data, and surface linear features suggest the trend continues through the Cockatoo Ridge prospect area. Other linear trends noted in Google Earth images include NE to ESE trends at approximately 040 degrees, 060 degrees, and 100 degrees (Figure 26).

Mapping and the limited shallow drilling in the Gossans West prospect area has not yet identified porphyry intrusions, and the magnetic data is not definitive. However, Sillitoe (2010) recommends that exploration for porphyry Cu deposits should first focus around the peripheries of the erosional remnants of lithocaps

Two areas of potential interest occur on the peripheries of the Cockatoo Ridge lithocap. The intersections of the easterly trends with the strong NW trend appears to define a possible dilational area on the northern edge of Cockatoo Ridge, coincident with the area of relatively elevated Cu and anomalous Hg in soils (Figures 18 and 19), illite and smectite clays, and several small bullseye magnetic features that are aligned along the NW trend (Figure 24). The elevated Cu and Hg do not appear to be directly related to the advanced argillic lithocap. The combination of structural, magnetic and geochemical features in this area suggests that, although the Cu values are not highly anomalous, this area warrants further investigation to determine if it is prospective for deeper porphyry mineralisation, and/or low sulphidation epithermal mineralisation.

The southern area of Cockatoo Ridge, with the most extensive area of Mo mineralisation, is also of interest. The anomalous Mo is located over a weak magnetic feature. Here, as in the north of Cockatoo Ridge, the magnetic feature may be due to remnants of unaltered volcanics, or to magnetite-bearing alteration associated with a porphyry stock.

The southwest area of Oasis Ridge is also potentially interesting. This area, with weakly elevated Cu and Au in soils is associated mainly with illite, smectite, and local epidote, and is largely peripheral to the advanced argillic lithocap of Oasis Ridge (Figure 18). It is located along strike from the 100 degree trending linear feature north of Cockatoo Ridge, over a weak magnetic feature within an area of subdued aeromagnetic response (Figure 26). The combination of weakly elevated Cu with illite, smectite and epidote suggests that, as at Cockatoo Ridge, this area warrants further investigation to determine if it is prospective for deeper mineralisation.

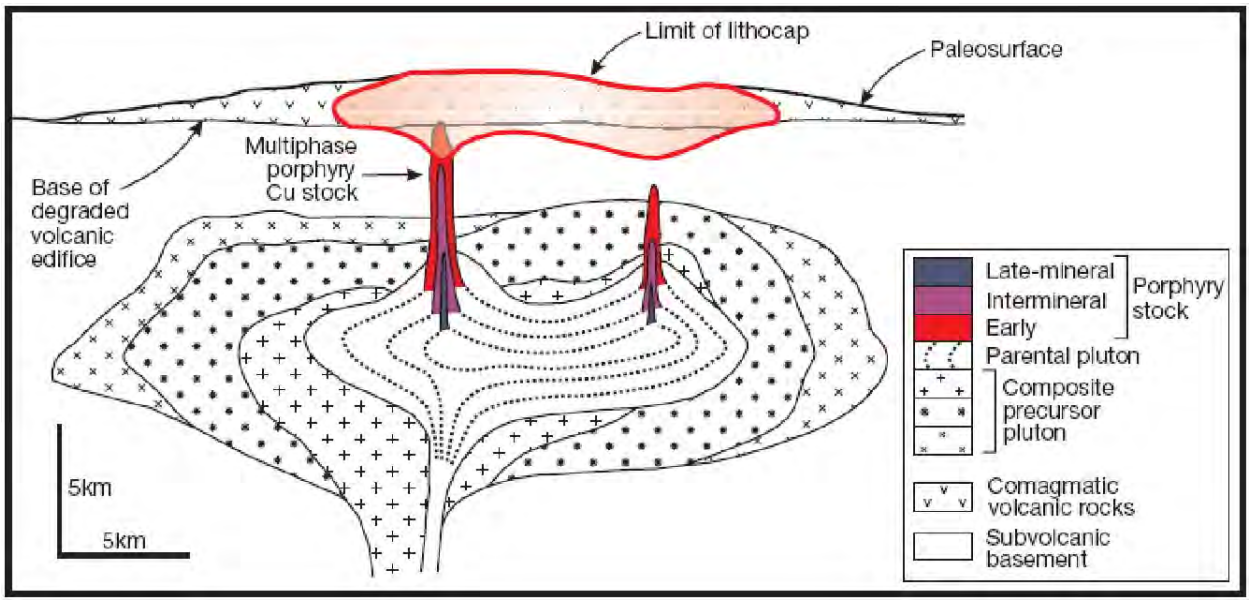


Figure 25 Spatial relationships between porphyry Cu stocks, the underlying pluton, the overlying volcanic rocks, and the lithocap of advanced argillic alteration (from Sillitoe, 2010).

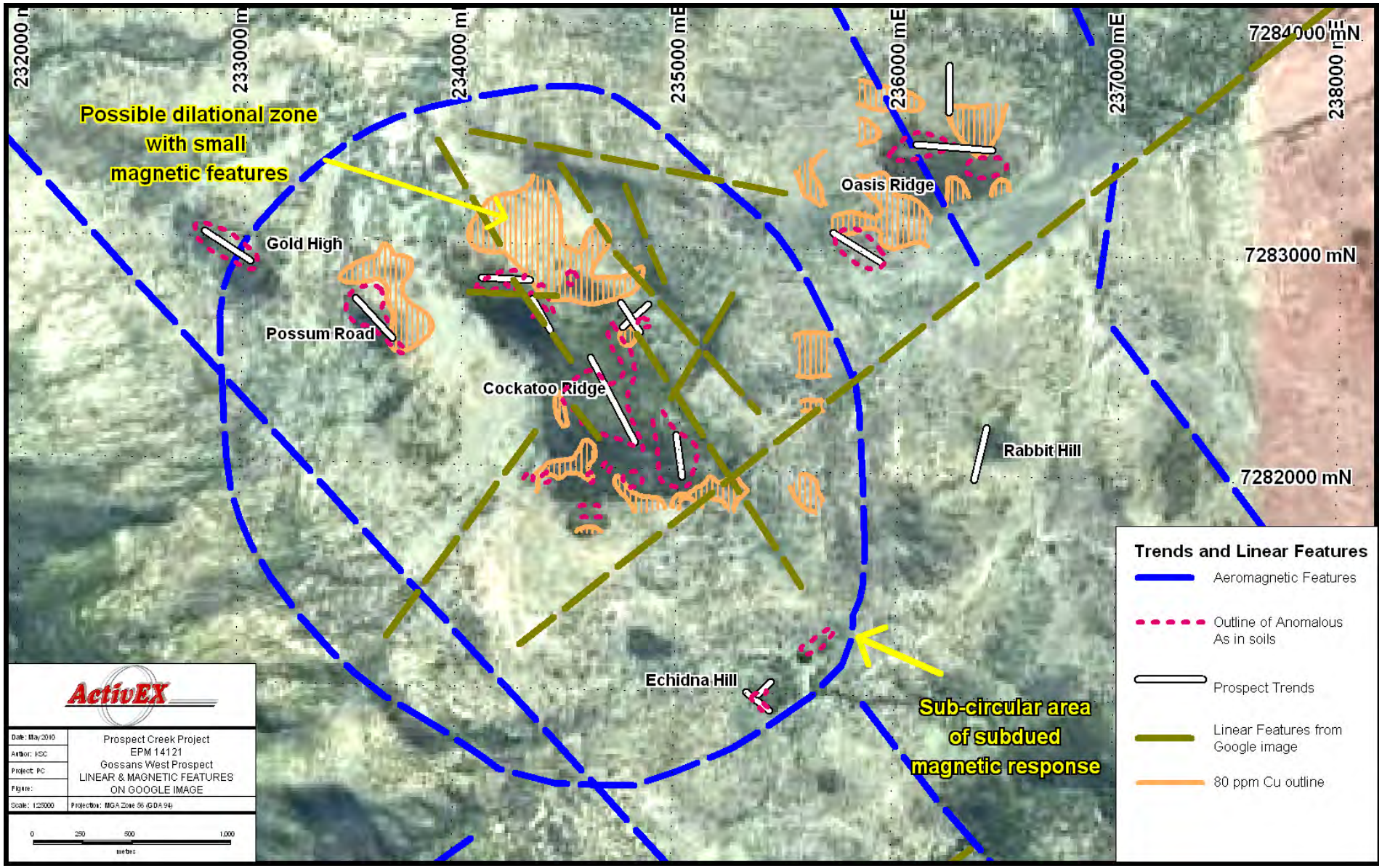


Figure26 Linear features overlain on Google image

11 CONCLUSIONS AND FURTHER WORK

The study of the Gossans West prospect using hand-held XRF, PIMA and XRD techniques has proven to be both useful and effective. Several conclusions can be drawn from the study, which can aid in the application of these techniques in a greenfields environment with advanced argillic alteration:

- Hand-held XRF analysis is an appropriate exploration tool in this environment and can be used to broadly define anomalous areas. As, Pb, Fe, Cu, Mn, Ca, Zn, Se, and Mo data can be used with a reasonable degree of certainty.
- Sample types and reading duration times influence the effectiveness of the hand-held XRF analyses, however overall, bulk samples are a cost effective method of prospect evaluation and are appropriate for exploration in this terrain. A reading time of 30 seconds per filter is adequate, however longer reading times will in general improve the accuracy of the value and decrease detection limits.
- Sample collection and hand-held XRF analysis should be carried out in as short a timeframe as possible, to reduce the effect of external factors such as weather affecting sample moisture content. Ideally, hand-held XRF readings should be carried out on-site, to allow immediate in-fill sampling when anomalies are identified.
- Although hand-held XRF readings can be taken at surface, with no sample preparation, more accurate results are obtained if samples are collected from sites prepared as for normal bulk sample collection, i.e. from the B horizon. This increases the time taken to conduct a field survey, however results are likely to be more reliable. Samples for infrared spectral analysis can also be collected at this stage.
- The bulk soil samples are the preferred sample type for infrared spectral analysis. The time and cost involved in preparation is minimal, and this study suggests the absorption features in spectra are better developed than in the soil pulp samples.

Several conclusions specific to the Gossans West prospect can also be drawn from the study:

- The alteration assemblages identified at Cockatoo Ridge and Oasis Ridge are consistent with advanced argillic alteration associated with lithocaps developed above porphyry systems.
- The spatial association of As and Sb with the advanced argillic alteration could represent weak high sulphidation mineralisation, or could represent overprinting low sulphidation epithermal mineralisation.
- The spatial association of weakly elevated Cu in soils with assemblages dominated by illite and smectite suggests further exploration is warranted to assess the potential for deeper porphyry-related Cu +/- Au mineralisation on the peripheries of the advanced argillic lithocaps.
- The good correlation of elements such as As and Fe in the Gossans West system may be a reflection of their abundance in the exposed advanced argillic lithocaps. These elements may not show such a high correlation in less weathered environments.

The study has highlighted several areas where further work at the Gossans West prospect is warranted. A future exploration program could incorporate the following:

- Detailed geological traversing around the edges of the advanced argillic zones, to locate any additional outcrop or subcrop, and attempt to more closely define the lithologies and possible alteration occurring peripheral to the advanced argillic zones.
- IP surveys over the north & south of Cockatoo Ridge, and southwest of Oasis Ridge, to identify potential zones of sulphide mineralisation.
- A broadly spaced IP survey over the centre of Cockatoo Ridge to assist with determining the structural and/or lithological controls on sulphide mineralisation in the lithocaps.
- Trial lines of ground magnetics to check for further detail in the magnetic signatures over and around the lithocaps.
- Depending on the results of the geophysical surveys, drill testing of the elevated Mo and Cu at the north and south of Cockatoo Ridge, and southwest of Oasis Ridge.
- Additional regional soil lines to evaluate the more marginal areas of the alteration zone, and to test the other smaller lithocaps in the prospect area.
- Handheld XRF and spectral reflectance surveys of less altered rocks distal to the lithocaps, to better define the extended alteration system, and to identify and characterise the geochemical and mineralogical signatures of the unaltered volcanics.

12 REFERENCES

Ardau, C.; Cidu, R.; Da, Pelo, S.; Dadea, C.; Fanfani, L.; Frau, F.; Musu, E.; Lattanzi, P. (2008): Arsenic in Mining Environments: Evidences from Sardinia (Italy). In: Rapantova, N. & Hrkal, Z.: Mine Water and the Environment. – Paper #193; Ostrava (VSB – Technical University of Ostrava).

Camuti, K., 2007. PIMA Mineralogy Report. EPM14121 Prospect Creek, Gossans West Area. Lantana Exploration Pty Ltd - Report to ActivEX Limited, August 2007 (unpubl.).

Corbett, G.J., 2008, 'Comments on the Esk Trough and Gossans West Project, Central Queensland', Internal Company report (unpubl.)

Diemar, G.A., Leverett, P, and Williams, P.A. 2008. Supergene dispersion of antimony and a geochemical exploration model for antimony ore deposits. Presentation to SMEDG. http://www.smedg.org.au/Glen%20Diemar%20Hillgrove%20Antimony.pdf

Sillitoe, R.H., 2010. Porphyry copper systems. Economic Geology, Vol 105, pp3-41.

APPENDICES

APPENDIX I

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 001	-24.55495	150.37594	234199.7773	7281799.962	312	Soil sample	Cockatoo Ridge	Feb-09		
PCN 002	-24.55495	150.37619	234225.1085	7281800.442	311	Soil sample	Cockatoo Ridge	Feb-09		
PCN 003	-24.55495	150.37644	234250.448	7281800.922	308	Soil sample	Cockatoo Ridge	Feb-09		
PCN 004	-24.55496	150.37669	234275.804	7281800.292	310	Soil sample	Cockatoo Ridge	Feb-09		
PCN 005	-24.55497	150.37693	234300.1457	7281799.652	308	Soil sample	Cockatoo Ridge	Feb-09		
PCN 006	-24.555	150.37713	234320.4717	7281796.712	310	Soil sample	Cockatoo Ridge	Feb-09		
PCN 007	-24.55498	150.37743	234350.8329	7281799.512	309	Soil sample	Cockatoo Ridge	Feb-09		
PCN 008	-24.55498	150.37767	234375.1582	7281799.972	310	Soil sample	Cockatoo Ridge	Feb-09		
PCN 009	-24.55499	150.37792	234400.5141	7281799.342	307	Soil sample	Cockatoo Ridge	Feb-09		
PCN 010	-24.55499	150.37841	234450.1706	7281800.292	308	Soil sample	Cockatoo Ridge	Feb-09		
PCN 011	-24.555	150.37866	234475.5266	7281799.662	307	Soil sample	Cockatoo Ridge	Feb-09		
PCN 012	-24.555	150.3789	234499.8436	7281800.132	310	Soil sample	Cockatoo Ridge	Feb-09		
PCN 013	-24.55502	150.37919	234529.2813	7281798.472	314	Soil sample	Cockatoo Ridge	Feb-09		
PCN 014	-24.55501	150.3794	234550.539	7281799.982	317	Soil sample	Cockatoo Ridge	Feb-09		
PCN 015	-24.55501	150.37964	234574.856	7281800.442	318	Soil sample	Cockatoo Ridge	Feb-09		
PCN 016	-24.55501	150.37989	234600.1955	7281800.932	314	Soil sample	Cockatoo Ridge	Feb-09		
PCN 017	-24.55503	150.38014	234625.568	7281799.192	315	Soil sample	Cockatoo Ridge	Feb-09		
PCN 018	-24.55503	150.38038	234649.8932	7281799.652	312	Soil sample	Cockatoo Ridge	Feb-09		
PCN 019	-24.55503	150.38063	234675.2327	7281800.142	311	Soil sample	Cockatoo Ridge	Feb-09		
PCN 020	-24.55504	150.38088	234700.5887	7281799.512	308	Soil sample	Cockatoo Ridge	Feb-09		
PCN 021	-24.55504	150.38112	234724.9057	7281799.972	308	Soil sample	Cockatoo Ridge	Feb-09		
PCN 022	-24.55504	150.38136	234749.2309	7281800.432	310	Soil sample	Cockatoo Ridge	Feb-09		
PCN 023	-24.55505	150.38162	234775.6011	7281799.832	310	Soil sample	Cockatoo Ridge	Feb-09		
PCN 024	-24.55505	150.38186	234799.9181	7281800.292	311	Soil sample	Cockatoo Ridge	Feb-09		
PCN 025	-24.55505	150.3821	234824.2433	7281800.752	306	Soil sample	Cockatoo Ridge	Feb-09		
PCN 026	-24.55506	150.38236	234850.6136	7281800.142	308	Soil sample	Cockatoo Ridge	Feb-09		
PCN 027	-24.55506	150.3826	234874.9306	7281800.612	307	Soil sample	Cockatoo Ridge	Feb-09		
PCN 028	-24.55507	150.38285	234900.2865	7281799.982	307	Soil sample	Cockatoo Ridge	Feb-09		
PCN 029	-24.55507	150.38309	234924.6118	7281800.442	304	Soil sample	Cockatoo Ridge	Feb-09		
PCN 030	-24.55508	150.38335	234950.982	7281799.832	303	Soil sample	Cockatoo Ridge	Feb-09		
PCN 031	-24.55508	150.38359	234975.299	7281800.302	303	Soil sample	Cockatoo Ridge	Feb-09		
PCN 032	-24.55508	150.38384	235000.6385	7281800.782	302	Soil sample	Cockatoo Ridge	Feb-09		
PCN 033	-24.55509	150.38408	235024.9802	7281800.132	302	Soil sample	Cockatoo Ridge	Feb-09		
PCN 034	-24.55509	150.38433	235050.3114	7281800.612	300	Soil sample	Cockatoo Ridge	Feb-09		
PCN 035	-24.5551	150.38459	235076.6816	7281800.002	301	Soil sample	Cockatoo Ridge	Feb-09		
PCN 036	-24.55511	150.38482	235100.0091	7281799.342	302	Soil sample	Cockatoo Ridge	Feb-09		
PCN 037	-24.55511	150.38506	235124.3344	7281799.802	301	Soil sample	Cockatoo Ridge	Feb-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 038	-24.55511	150.38531	235149.6656	7281800.282	299	Soil sample	Cockatoo Ridge	Feb-09		
PCN 039	-24.55511	150.38556	235175.0051	7281800.762	297	Soil sample	Cockatoo Ridge	Feb-09		
PCN 040	-24.55512	150.38581	235200.361	7281800.132	295	Soil sample	Cockatoo Ridge	Feb-09		
PCN 041	-24.55512	150.38605	235224.678	7281800.602	293	Soil sample	Cockatoo Ridge	Feb-09		
PCN 042	-24.55513	150.38629	235249.0198	7281799.952	294	Soil sample	Cockatoo Ridge	Feb-09		
PCN 043	-24.55513	150.38654	235274.3593	7281800.432	292	Soil sample	Cockatoo Ridge	Feb-09		
PCN 044	-24.55514	150.38679	235299.7152	7281799.802	291	Soil sample	Cockatoo Ridge	Feb-09		
PCN 045	-24.5545	150.37571	234175.518	7281849.372	301	Soil sample	Cockatoo Ridge	Feb-09		
PCN 046	-24.55451	150.3762	234225.1993	7281849.212	301	Soil sample	Cockatoo Ridge	Feb-09		
PCN 047	-24.55451	150.37654	234259.6504	7281849.862	300	Soil sample	Cockatoo Ridge	Feb-09		
PCN 048	-24.55452	150.37694	234300.2117	7281849.532	300	Soil sample	Cockatoo Ridge	Feb-09		
PCN 049	-24.55452	150.37719	234325.5429	7281850.012	302	Soil sample	Cockatoo Ridge	Feb-09		
PCN 050	-24.55452	150.37735	234341.7543	7281850.322	304	Soil sample	Cockatoo Ridge	Feb-09		
PCN 051	-24.55453	150.37768	234375.2241	7281849.852	302	Soil sample	Cockatoo Ridge	Feb-09		
PCN 052	-24.55453	150.37792	234399.5411	7281850.312	300	Soil sample	Cockatoo Ridge	Feb-09		
PCN 053	-24.55451	150.37847	234455.2418	7281853.591	300	Soil sample	Cockatoo Ridge	Feb-09		
PCN 054	-24.55454	150.37866	234474.5536	7281850.631	299	Soil sample	Cockatoo Ridge	Feb-09		
PCN 055	-24.55455	150.3789	234498.8953	7281849.982	300	Soil sample	Cockatoo Ridge	Feb-09		
PCN 056	-24.55455	150.37915	234524.2348	7281850.471	301	Soil sample	Cockatoo Ridge	Feb-09		
PCN 057	-24.55455	150.37941	234550.5803	7281850.971	303	Soil sample	Cockatoo Ridge	Feb-09		
PCN 058	-24.55456	150.37964	234573.9078	7281850.302	304	Soil sample	Cockatoo Ridge	Feb-09		
PCN 059	-24.55457	150.37991	234601.2922	7281849.722	306	Soil sample	Cockatoo Ridge	Feb-09		
PCN 060	-24.55457	150.38015	234625.6175	7281850.182	306	Soil sample	Cockatoo Ridge	Feb-09		
PCN 061	-24.55457	150.38039	234649.9344	7281850.641	307	Soil sample	Cockatoo Ridge	Feb-09		
PCN 062	-24.55455	150.38067	234678.2672	7281853.401	306	Soil sample	Cockatoo Ridge	Feb-09		
PCN 063	-24.55458	150.38088	234699.6157	7281850.481	306	Soil sample	Cockatoo Ridge	Feb-09		
PCN 064	-24.55458	150.38113	234724.9469	7281850.961	307	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 065	-24.55459	150.38138	234750.3029	7281850.332	306	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 066	-24.5546	150.38163	234775.6671	7281849.712	304	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 067	-24.5546	150.38187	234799.9841	7281850.172	307	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 068	-24.55461	150.38211	234824.3258	7281849.522	304	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 069	-24.55461	150.38243	234856.7567	7281850.142	302	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 070	-24.55461	150.38261	234874.9965	7281850.481	302	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 071	-24.55462	150.38286	234900.3525	7281849.862	302	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 072	-24.55462	150.38311	234925.692	7281850.342	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 073	-24.55463	150.38335	234950.0337	7281849.692	297	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 074	-24.55463	150.38384	234999.6902	7281850.641	296	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 075	-24.55464	150.38409	235025.0461	7281850.012	299	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 076	-24.55464	150.38434	235050.3774	7281850.491	300	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 077	-24.55465	150.38458	235074.7191	7281849.842	300	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 078	-24.55465	150.38483	235100.0586	7281850.322	299	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 079	-24.55466	150.38508	235125.4146	7281849.702	294	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 080	-24.55466	150.38533	235150.7458	7281850.182	294	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 081	-24.55467	150.38557	235175.0875	7281849.532	294	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 082	-24.55467	150.38582	235200.427	7281850.012	292	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 083	-24.55468	150.38606	235224.7687	7281849.372	291	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 084	-24.55468	150.38631	235250.1	7281849.852	289	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 085	-24.55468	150.38656	235275.4395	7281850.332	288	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 086	-24.55469	150.3868	235299.7812	7281849.682	285	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 087	-24.5536	150.37597	234199.967	7281949.591	302	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 088	-24.5536	150.37621	234224.2922	7281950.051	300	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 089	-24.5536	150.37646	234249.6234	7281950.541	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 090	-24.55361	150.3767	234273.9652	7281949.891	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 091	-24.55358	150.37694	234298.2244	7281953.68	298	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 092	-24.55362	150.3772	234324.6606	7281949.751	295	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 093	-24.55362	150.37745	234349.9919	7281950.231	293	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 094	-24.55363	150.37769	234374.3336	7281949.591	299	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 095	-24.55364	150.37795	234400.7038	7281948.981	299	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 096	-24.55363	150.37818	234423.9901	7281950.531	296	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 097	-24.55364	150.37845	234451.3745	7281949.941	297	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 098	-24.55365	150.37869	234475.7162	7281949.301	298	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 099	-24.55365	150.37893	234500.0415	7281949.761	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 100	-24.55365	150.37918	234525.381	7281950.241	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 101	-24.55365	150.37942	234549.698	7281950.711	302	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 102	-24.55366	150.37968	234576.0682	7281950.101	305	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 103	-24.55367	150.37991	234599.3957	7281949.431	307	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 104	-24.55367	150.38016	234624.7351	7281949.921	307	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 105	-24.55367	150.38041	234650.0664	7281950.401	308	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 106	-24.55368	150.38065	234674.4081	7281949.751	308	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 107	-24.55368	150.3809	234699.7476	7281950.231	311	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 108	-24.55369	150.38115	234725.1036	7281949.611	312	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 109	-24.55369	150.3814	234750.4348	7281950.091	308	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 110	-24.5537	150.38164	234774.7848	7281949.441	312	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 111	-24.5537	150.38189	234800.116	7281949.921	313	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 112	-24.5537	150.38213	234824.4412	7281950.391	310	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 113	-24.55371	150.38238	234849.7972	7281949.761	309	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 114	-24.55371	150.38263	234875.1285	7281950.241	304	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 115	-24.55372	150.38285	234897.45	7281949.561	302	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 116	-24.55372	150.38313	234925.8239	7281950.101	302	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 117	-24.55372	150.38337	234950.1409	7281950.561	305	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 118	-24.55373	150.38362	234975.4969	7281949.931	305	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 119	-24.55374	150.38386	234999.8386	7281949.281	306	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 120	-24.55374	150.38412	235026.1923	7281949.791	304	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 121	-24.55374	150.38436	235050.5093	7281950.251	296	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 122	-24.55375	150.38491	235106.2677	7281950.201	289	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 123	-24.55376	150.38509	235124.5323	7281949.431	287	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 124	-24.55376	150.38534	235149.8717	7281949.921	285	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 125	-24.55377	150.38583	235199.5447	7281949.751	285	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 126	-24.55377	150.38608	235224.8842	7281950.231	284	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 127	-24.55377	150.38633	235250.2154	7281950.711	282	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 128	-24.55378	150.38658	235275.5714	7281950.081	280	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 129	-24.55378	150.38683	235300.9109	7281950.561	280	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 130	-24.55315	150.37599	234201.0472	7281999.491	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 131	-24.55315	150.37622	234224.3499	7281999.931	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 132	-24.55316	150.37647	234249.7059	7281999.311	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 133	-24.55314	150.37672	234275.0042	7282002.011	298	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 134	-24.55316	150.37703	234306.462	7282000.391	297	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 135	-24.55316	150.37721	234324.7019	7282000.741	298	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 136	-24.55317	150.37747	234351.0721	7282000.131	298	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 137	-24.55317	150.37771	234375.3973	7282000.591	297	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 138	-24.55318	150.3782	234425.0703	7282000.431	296	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 139	-24.55319	150.37846	234451.4405	7281999.821	297	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 140	-24.55319	150.37869	234474.7515	7282000.271	298	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 141	-24.5532	150.37893	234499.0932	7281999.621	300	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 142	-24.5532	150.37918	234524.4327	7282000.101	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 143	-24.5532	150.37943	234549.7639	7282000.581	304	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 144	-24.55321	150.37968	234575.1199	7281999.961	307	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 145	-24.55323	150.37993	234600.5006	7281998.221	307	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 146	-24.55322	150.38018	234625.8154	7281999.811	309	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 147	-24.55323	150.38042	234650.1571	7281999.171	310	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 148	-24.55323	150.38068	234676.5026	7281999.671	309	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 149	-24.55323	150.38091	234699.8136	7282000.111	313	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 150	-24.55324	150.38116	234725.1695	7281999.491	317	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 151	-24.55324	150.3814	234749.4948	7281999.951	316	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 152	-24.55324	150.38165	234774.826	7282000.431	313	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 153	-24.55325	150.38189	234799.1677	7281999.781	315	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 154	-24.55325	150.38215	234825.5215	7282000.281	311	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 155	-24.55326	150.38239	234849.8632	7281999.641	310	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 156	-24.55326	150.38264	234875.1944	7282000.121	305	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 157	-24.55327	150.38288	234899.5362	7281999.471	302	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 158	-24.55327	150.38313	234924.8756	7281999.961	308	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 159	-24.55327	150.38338	234950.2069	7282000.441	314	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 160	-24.55328	150.38362	234974.5486	7281999.791	318	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 161	-24.55328	150.38387	234999.8881	7282000.271	318	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 162	-24.55329	150.38412	235025.244	7281999.641	317	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 163	-24.55329	150.38436	235049.5693	7282000.111	309	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 164	-24.5533	150.38462	235075.9395	7281999.501	304	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 165	-24.5533	150.38486	235100.2565	7281999.961	295	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 166	-24.5533	150.38511	235125.596	7282000.441	293	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 167	-24.55331	150.38535	235149.9377	7281999.791	291	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 168	-24.55331	150.3856	235175.2689	7282000.281	290	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 169	-24.55331	150.38585	235200.6084	7282000.761	290	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 170	-24.55331	150.38609	235224.9254	7282001.221	289	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 171	-24.55331	150.38635	235251.2791	7282001.721	286	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 172	-24.55333	150.38659	235275.6374	7281999.961	284	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 173	-24.55333	150.38684	235300.9768	7282000.441	284	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 174	-24.55225	150.37602	234202.1851	7282099.271	300	Soil sample	Cockatoo Ridge	Feb-09		
PCN 175	-24.55224	150.37624	234224.4571	7282100.801	298	Soil sample	Cockatoo Ridge	Feb-09		
PCN 176	-24.55225	150.37649	234249.8131	7282100.171	297	Soil sample	Cockatoo Ridge	Feb-09		
PCN 177	-24.55226	150.37699	234300.5085	7282100.031	297	Soil sample	Cockatoo Ridge	Feb-09		
PCN 178	-24.55227	150.37748	234350.1898	7282099.871	296	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 179	-24.55227	150.37772	234374.5068	7282100.331	295	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 180	-24.55228	150.37797	234399.8627	7282099.701	297	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 181	-24.55228	150.3782	234423.1737	7282100.151	300	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 182	-24.55229	150.37848	234451.5724	7282099.581	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 183	-24.55229	150.37872	234475.8977	7282100.041	299	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 184	-24.55227	150.37895	234499.1592	7282102.7	303	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 185	-24.55231	150.37946	234550.9266	7282099.251	307	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 186	-24.55231	150.37969	234574.2376	7282099.701	314	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 187	-24.55231	150.37994	234599.5771	7282100.181	317	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 188	-24.55232	150.38019	234624.933	7282099.551	321	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 189	-24.55232	150.38045	234651.2785	7282100.051	323	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 190	-24.55232	150.38067	234673.5753	7282100.481	324	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 191	-24.55233	150.38093	234699.9455	7282099.871	323	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 192	-24.55232	150.38118	234724.9634	7282101.01	318	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 193	-24.55234	150.38143	234750.6327	7282099.721	321	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 194	-24.55235	150.38167	234774.9827	7282099.081	324	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 195	-24.55234	150.38191	234799.2832	7282100.651	326	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 196	-24.55236	150.38215	234823.6414	7282098.901	324	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 197	-24.55236	150.3824	234848.9809	7282099.381	318	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 198	-24.55236	150.38264	234873.3061	7282099.841	313	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 199	-24.55236	150.38291	234900.6658	7282100.361	316	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 200	-24.55237	150.38315	234925.0076	7282099.711	320	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 201	-24.55238	150.3834	234950.3635	7282099.091	326	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 202	-24.55238	150.38365	234975.703	7282099.571	327	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 203	-24.55237	150.38389	235000.0035	7282101.14	320	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 204	-24.55239	150.38415	235026.3902	7282099.421	314	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 205	-24.55239	150.38439	235050.7155	7282099.881	307	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 206	-24.5524	150.38463	235075.0572	7282099.241	301	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 207	-24.5524	150.38488	235100.3884	7282099.721	297	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 208	-24.5524	150.38512	235124.7137	7282100.181	295	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 209	-24.55241	150.38537	235150.0696	7282099.551	292	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 210	-24.55241	150.38562	235175.4091	7282100.031	289	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 211	-24.55241	150.38587	235200.7404	7282100.511	288	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 212	-24.55238	150.38613	235227.0281	7282104.34	286	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 213	-24.55243	150.38636	235250.4381	7282099.241	285	Soil sample	Cockatoo Ridge	Feb-09		
PCN 214	-24.55244	150.3866	235274.7798	7282098.591	284	Soil sample	Cockatoo Ridge	Feb-09		
PCN 215	-24.55243	150.38685	235300.0945	7282100.181	282	Soil sample	Cockatoo Ridge	Feb-09		
PCN 216	-24.55044	150.37604	234200.3958	7282299.85	294	Soil sample	Cockatoo Ridge	Feb-09		
PCN 217	-24.55044	150.37628	234224.7127	7282300.31	295	Soil sample	Cockatoo Ridge	Feb-09		
PCN 218	-24.55045	150.37653	234250.0687	7282299.69	295	Soil sample	Cockatoo Ridge	Feb-09		
PCN 219	-24.55045	150.37677	234274.394	7282300.15	295	Soil sample	Cockatoo Ridge	Feb-09		
PCN 220	-24.55046	150.37702	234299.7499	7282299.53	295	Soil sample	Cockatoo Ridge	Feb-09		
PCN 221	-24.55046	150.37727	234325.0894	7282300.01	295	Soil sample	Cockatoo Ridge	Feb-09		
PCN 222	-24.55047	150.37752	234350.4454	7282299.38	295	Soil sample	Cockatoo Ridge	Feb-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 223	-24.55047	150.37801	234400.1019	7282300.33	299	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 224	-24.55048	150.37826	234425.4578	7282299.7	300	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 225	-24.55048	150.3785	234449.7831	7282300.16	302	Soil sample	Cockatoo Ridge	Feb-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 226	-24.55049	150.37876	234476.1533	7282299.56	302	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 227	-24.55049	150.37898	234498.45	7282299.98	311	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 228	-24.55049	150.37925	234525.8098	7282300.5	322	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 229	-24.55049	150.37946	234547.0923	7282300.91	328	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 230	-24.55051	150.37974	234575.5157	7282299.23	335	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 231	-24.5505	150.38	234601.8447	7282300.84	342	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 232	-24.55051	150.38023	234625.1722	7282300.17	342	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 233	-24.55052	150.38047	234649.5139	7282299.53	341	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 234	-24.55052	150.38072	234674.8534	7282300.01	337	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 235	-24.55053	150.38097	234700.2094	7282299.38	333	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 236	-24.55053	150.38122	234725.5406	7282299.87	329	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 237	-24.55054	150.38148	234751.9108	7282299.26	326	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 238	-24.55051	150.38174	234778.1986	7282303.079	327	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 239	-24.55054	150.38195	234799.547	7282300.16	327	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 240	-24.55055	150.38221	234825.9173	7282299.56	329	Soil sample	Cockatoo Ridge	Mar-09		
PCN 241	-24.55054	150.38253	234858.3234	7282301.28	322	Soil sample	Cockatoo Ridge	Mar-09		
PCN 242	-24.55055	150.3827	234875.5737	7282300.5	320	Soil sample	Cockatoo Ridge	Mar-09		
PCN 243	-24.55056	150.38295	234900.9297	7282299.87	319	Soil sample	Cockatoo Ridge	Mar-09		
PCN 244	-24.55056	150.3832	234926.2692	7282300.35	317	Soil sample	Cockatoo Ridge	Mar-09		
PCN 245	-24.55057	150.38343	234949.5967	7282299.69	313	Soil sample	Cockatoo Ridge	Mar-09		
PCN 246	-24.55058	150.38366	234972.9242	7282299.02	305	Soil sample	Cockatoo Ridge	Mar-09		
PCN 247	-24.55058	150.38392	234999.2779	7282299.52	300	Soil sample	Cockatoo Ridge	Mar-09		
PCN 248	-24.55058	150.38418	235025.6234	7282300.02	304	Soil sample	Cockatoo Ridge	Mar-09		
PCN 249	-24.55058	150.38442	235049.9486	7282300.49	304	Soil sample	Cockatoo Ridge	Mar-09		
PCN 250	-24.55058	150.38467	235075.2798	7282300.97	302	Soil sample	Cockatoo Ridge	Mar-09		
PCN 251	-24.55059	150.38491	235099.6298	7282300.32	300	Soil sample	Cockatoo Ridge	Mar-09		
PCN 252	-24.5506	150.38516	235124.9858	7282299.69	296	Soil sample	Cockatoo Ridge	Mar-09		
PCN 253	-24.55061	150.38541	235150.3418	7282299.07	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 254	-24.55061	150.38566	235175.673	7282299.55	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 255	-24.55061	150.3859	235199.9982	7282300.01	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 256	-24.55061	150.38615	235225.3377	7282300.49	287	Soil sample	Cockatoo Ridge	Mar-09		
PCN 257	-24.55062	150.3864	235250.6937	7282299.86	284	Soil sample	Cockatoo Ridge	Mar-09		
PCN 258	-24.55063	150.38689	235300.3666	7282299.69	281	Soil sample	Cockatoo Ridge	Mar-09		
PCN 259	-24.55063	150.38713	235324.6919	7282300.16	280	Soil sample	Cockatoo Ridge	Mar-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 260	-24.55063	150.38738	235350.0314	7282300.64	279	Soil sample	Cockatoo Ridge	Mar-09		
PCN 261	-24.55064	150.38763	235375.3873	7282300.01	279	Soil sample	Cockatoo Ridge	Mar-09		
PCN 262	-24.55065	150.38788	235400.7433	7282299.38	276	Soil sample	Cockatoo Ridge	Mar-09		
PCN 263	-24.54861	150.37509	234100.2582	7282500.779	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 264	-24.54862	150.37533	234124.6	7282500.139	291	Soil sample	Cockatoo Ridge	Mar-09		
PCN 265	-24.54862	150.37557	234148.9252	7282500.599	291	Soil sample	Cockatoo Ridge	Mar-09		
PCN 266	-24.54863	150.37584	234176.3096	7282500.009	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 267	-24.54863	150.37608	234200.6266	7282500.469	293	Soil sample	Cockatoo Ridge	Mar-09		
PCN 268	-24.54864	150.37631	234223.9624	7282499.809	291	Soil sample	Cockatoo Ridge	Mar-09		
PCN 269	-24.54864	150.37682	234275.6473	7282500.789	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 270	-24.54865	150.37706	234299.9891	7282500.149	291	Soil sample	Cockatoo Ridge	Mar-09		
PCN 271	-24.54866	150.37757	234351.6988	7282500.029	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 272	-24.54867	150.3778	234375.0262	7282499.359	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 273	-24.5487	150.37805	234400.4234	7282496.52	296	Soil sample	Cockatoo Ridge	Mar-09		
PCN 274	-24.54867	150.3783	234425.697	7282500.319	299	Soil sample	Cockatoo Ridge	Mar-09		
PCN 275	-24.54868	150.37854	234450.0469	7282499.679	299	Soil sample	Cockatoo Ridge	Mar-09		
PCN 276	-24.54868	150.3788	234476.3924	7282500.179	309	Soil sample	Cockatoo Ridge	Mar-09		
PCN 277	-24.54868	150.37904	234500.7176	7282500.639	308	Soil sample	Cockatoo Ridge	Mar-09		
PCN 278	-24.54869	150.37928	234525.0594	7282499.999	309	Soil sample	Cockatoo Ridge	Mar-09		
PCN 279	-24.54869	150.37952	234549.3846	7282500.459	311	Soil sample	Cockatoo Ridge	Mar-09		
PCN 280	-24.5487	150.37977	234574.7406	7282499.829	310	Soil sample	Cockatoo Ridge	Mar-09		
PCN 281	-24.5487	150.38001	234599.0658	7282500.299	308	Soil sample	Cockatoo Ridge	Mar-09		
PCN 282	-24.54871	150.38026	234624.4218	7282499.669	303	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 283	-24.54871	150.38052	234650.7673	7282500.169	303	Soil sample	Cockatoo Ridge	Mar-09		
PCN 284	-24.54872	150.38075	234674.103	7282499.509	302	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 285	-24.54873	150.381	234699.459	7282498.879	300	Soil sample	Cockatoo Ridge	Mar-09		
PCN 286	-24.54872	150.38125	234724.7737	7282500.469	304	Soil sample	Cockatoo Ridge	Mar-09		
PCN 287	-24.54873	150.3815	234750.1297	7282499.839	308	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 288	-24.54873	150.38175	234775.4692	7282500.319	313	Soil sample	Cockatoo Ridge	Mar-09		
PCN 289	-24.54874	150.382	234800.8252	7282499.699	318	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 290	-24.54874	150.38222	234823.1219	7282500.119	321	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 291	-24.54874	150.38247	234848.4531	7282500.599	309	Soil sample	Cockatoo Ridge	Mar-09		
PCN 292	-24.54875	150.38272	234873.8091	7282499.979	303	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 293	-24.54876	150.38298	234900.1793	7282499.369	302	Soil sample	Cockatoo Ridge	Mar-09		
PCN 294	-24.54875	150.38322	234924.4881	7282500.939	298	Soil sample	Cockatoo Ridge	Mar-09		
PCN 295	-24.54876	150.38348	234950.8583	7282500.329	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 296	-24.54877	150.38372	234975.2	7282499.679	292	Soil sample	Cockatoo Ridge	Mar-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 297	-24.54877	150.38396	234999.5253	7282500.149	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 298	-24.54876	150.38419	235022.8115	7282501.699	287	Soil sample	Cockatoo Ridge	Mar-09		
PCN 299	-24.54877	150.38447	235051.2102	7282501.129	285	Soil sample	Cockatoo Ridge	Mar-09		
PCN 300	-24.54878	150.38471	235075.5519	7282500.479	282	Soil sample	Cockatoo Ridge	Mar-09		
PCN 301	-24.54879	150.38495	235099.8937	7282499.829	283	Soil sample	Cockatoo Ridge	Mar-09		
PCN 302	-24.5488	150.38525	235130.3208	7282499.299	280	Soil sample	Cockatoo Ridge	Mar-09		
PCN 303	-24.54879	150.3855	235155.6356	7282500.889	278	Soil sample	Cockatoo Ridge	Mar-09		
PCN 304	-24.5488	150.38568	235173.9001	7282500.129	285	Soil sample	Cockatoo Ridge	Mar-09		
PCN 305	-24.5488	150.38595	235201.2598	7282500.649	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 306	-24.54881	150.38618	235224.5873	7282499.979	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 307	-24.54881	150.38644	235250.9411	7282500.479	295	Soil sample	Cockatoo Ridge	Mar-09		
PCN 308	-24.54882	150.38668	235275.2828	7282499.839	296	Soil sample	Cockatoo Ridge	Mar-09		
PCN 309	-24.54882	150.38693	235300.6223	7282500.319	302	Soil sample	Cockatoo Ridge	Mar-09		
PCN 310	-24.54677	150.37266	233850.0958	7282699.959	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 311	-24.54678	150.37292	233876.466	7282699.349	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 312	-24.54678	150.37316	233900.7912	7282699.819	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 313	-24.54678	150.3734	233925.1165	7282700.278	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 314	-24.54678	150.37365	233950.456	7282700.758	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 315	-24.54679	150.37389	233974.7977	7282700.119	287	Soil sample	Cockatoo Ridge	Mar-09		
PCN 316	-24.54679	150.37414	234000.1372	7282700.598	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 317	-24.5468	150.37439	234025.4931	7282699.969	286	Soil sample	Cockatoo Ridge	Mar-09		
PCN 318	-24.54681	150.37463	234049.8349	7282699.329	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 319	-24.54681	150.37487	234074.1601	7282699.789	287	Soil sample	Cockatoo Ridge	Mar-09		
PCN 320	-24.54682	150.37537	234124.8556	7282699.649	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 321	-24.54681	150.37567	234155.2333	7282701.338	299	Soil sample	Cockatoo Ridge	Mar-09		
PCN 322	-24.54682	150.37583	234171.4693	7282700.538	301	Soil sample	Cockatoo Ridge	Mar-09		
PCN 323	-24.54682	150.37612	234200.8658	7282701.098	301	Soil sample	Cockatoo Ridge	Mar-09		
PCN 324	-24.54684	150.37636	234225.2322	7282699.339	305	Soil sample	Cockatoo Ridge	Mar-09		
PCN 325	-24.54682	150.37661	234250.5222	7282702.038	313	Soil sample	Cockatoo Ridge	Mar-09		
PCN 326	-24.54684	150.37687	234276.9172	7282700.328	314	Soil sample	Cockatoo Ridge	Mar-09		
PCN 327	-24.54683	150.37708	234298.175	7282701.838	322	Soil sample	Cockatoo Ridge	Mar-09		
PCN 328	-24.54684	150.37734	234324.5452	7282701.238	332	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 329	-24.54685	150.37757	234347.8809	7282700.568	340	Soil sample	Cockatoo Ridge	Mar-09		
PCN 330	-24.54686	150.37784	234375.2654	7282699.979	342	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 331	-24.54686	150.37807	234398.5764	7282700.428	334	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 332	-24.54686	150.37832	234423.9076	7282700.908	324	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 333	-24.54687	150.37858	234450.2861	7282700.298	318	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 334	-24.54688	150.37883	234475.642	7282699.679	320	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 335	-24.54688	150.37908	234500.9733	7282700.159	310	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 336	-24.54689	150.37932	234525.3232	7282699.509	304	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 337	-24.54689	150.37957	234550.6545	7282699.989	301	Soil sample	Cockatoo Ridge	Mar-09		
PCN 338	-24.54689	150.3798	234573.9655	7282700.438	299	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 339	-24.5469	150.38006	234600.3357	7282699.829	297	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 340	-24.5469	150.3803	234624.6609	7282700.288	293	Soil sample	Cockatoo Ridge	Mar-09		
PCN 341	-24.54701	150.38106	234701.9162	7282689.571	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 342	-24.54692	150.38129	234725.0376	7282699.979	289	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 343	-24.54693	150.38154	234750.3936	7282699.359	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 344	-24.54692	150.38178	234774.6941	7282700.928	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 345	-24.54693	150.38204	234801.0643	7282700.318	285	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 346	-24.54693	150.38227	234824.3753	7282700.758	286	Soil sample	Cockatoo Ridge	Mar-09		
PCN 347	-24.54694	150.38253	234850.7455	7282700.149	284	Soil sample	Cockatoo Ridge	Mar-09		
PCN 348	-24.54694	150.38277	234875.0707	7282700.618	283	Soil sample	Cockatoo Ridge	Mar-09		
PCN 349	-24.54695	150.38302	234900.4267	7282699.989	282	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 350	-24.547	150.38326	234924.8591	7282694.91	281	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 351	-24.54695	150.3835	234949.0772	7282700.908	280	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 352	-24.54698	150.38376	234975.4886	7282698.089	279	Soil sample	Cockatoo Ridge	Mar-09	ALS	Au-TL43, ME-ICP43, ME-MS43, Pb-OG46
PCN 353	-24.54492	150.37024	233600.9311	7282900.258	286	Soil sample	Cockatoo Ridge	Mar-09		
PCN 354	-24.54493	150.37048	233625.2729	7282899.608	286	Soil sample	Cockatoo Ridge	Mar-09		
PCN 355	-24.54493	150.37073	233650.6123	7282900.098	285	Soil sample	Cockatoo Ridge	Mar-09		
PCN 356	-24.54494	150.37122	233700.2935	7282899.938	283	Soil sample	Cockatoo Ridge	Mar-09		
PCN 357	-24.54494	150.37146	233724.6188	7282900.398	282	Soil sample	Cockatoo Ridge	Mar-09		
PCN 358	-24.54495	150.37171	233749.9748	7282899.778	280	Soil sample	Cockatoo Ridge	Mar-09		
PCN 359	-24.54495	150.37196	233775.3142	7282900.258	282	Soil sample	Cockatoo Ridge	Mar-09		
PCN 360	-24.54495	150.3722	233799.6312	7282900.718	281	Soil sample	Cockatoo Ridge	Mar-09		
PCN 361	-24.54496	150.37245	233824.9954	7282900.098	282	Soil sample	Cockatoo Ridge	Mar-09		
PCN 362	-24.54496	150.3727	233850.3267	7282900.578	283	Soil sample	Cockatoo Ridge	Mar-09		
PCN 363	-24.54497	150.37295	233875.6909	7282899.958	283	Soil sample	Cockatoo Ridge	Mar-09		
PCN 364	-24.54498	150.37344	233925.3721	7282899.788	283	Soil sample	Cockatoo Ridge	Mar-09		
PCN 365	-24.54498	150.37369	233950.7033	7282900.278	286	Soil sample	Cockatoo Ridge	Mar-09		
PCN 366	-24.54499	150.37394	233976.0676	7282899.648	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 367	-24.54499	150.37418	234000.3846	7282900.118	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 368	-24.545	150.37443	234025.7488	7282899.488	295	Soil sample	Cockatoo Ridge	Mar-09		
PCN 369	-24.545	150.37467	234050.074	7282899.948	297	Soil sample	Cockatoo Ridge	Mar-09		
PCN 370	-24.545	150.37491	234074.391	7282900.418	295	Soil sample	Cockatoo Ridge	Mar-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 371	-24.54501	150.37517	234100.7612	7282899.808	301	Soil sample	Cockatoo Ridge	Mar-09		
PCN 372	-24.54501	150.37541	234125.0865	7282900.268	298	Soil sample	Cockatoo Ridge	Mar-09		
PCN 373	-24.54502	150.37566	234150.4507	7282899.648	307	Soil sample	Cockatoo Ridge	Mar-09		
PCN 374	-24.54502	150.3759	234174.7677	7282900.108	314	Soil sample	Cockatoo Ridge	Mar-09		
PCN 375	-24.54502	150.37615	234200.1071	7282900.588	328	Soil sample	Cockatoo Ridge	Mar-09		
PCN 376	-24.54503	150.3764	234225.4631	7282899.968	342	Soil sample	Cockatoo Ridge	Mar-09		
PCN 377	-24.54503	150.37664	234249.7884	7282900.428	350	Soil sample	Cockatoo Ridge	Mar-09		
PCN 378	-24.54504	150.37688	234274.1301	7282899.788	345	Soil sample	Cockatoo Ridge	Mar-09		
PCN 379	-24.54504	150.37714	234300.4838	7282900.288	337	Soil sample	Cockatoo Ridge	Mar-09		
PCN 380	-24.54505	150.37738	234324.8255	7282899.638	332	Soil sample	Cockatoo Ridge	Mar-09		
PCN 381	-24.54505	150.37762	234349.1508	7282900.098	320	Soil sample	Cockatoo Ridge	Mar-09		
PCN 382	-24.54506	150.37787	234374.5068	7282899.478	318	Soil sample	Cockatoo Ridge	Mar-09		
PCN 383	-24.54506	150.37813	234400.8605	7282899.978	315	Soil sample	Cockatoo Ridge	Mar-09		
PCN 384	-24.54507	150.37837	234425.2022	7282899.328	312	Soil sample	Cockatoo Ridge	Mar-09		
PCN 385	-24.54507	150.37862	234450.5417	7282899.818	309	Soil sample	Cockatoo Ridge	Mar-09		
PCN 386	-24.54507	150.37887	234475.8812	7282900.298	308	Soil sample	Cockatoo Ridge	Mar-09		
PCN 387	-24.54508	150.37911	234500.2229	7282899.648	304	Soil sample	Cockatoo Ridge	Mar-09		
PCN 388	-24.54508	150.37935	234524.5481	7282900.118	304	Soil sample	Cockatoo Ridge	Mar-09		
PCN 389	-24.54508	150.3796	234549.8876	7282900.598	301	Soil sample	Cockatoo Ridge	Mar-09		
PCN 390	-24.54509	150.37984	234574.2294	7282899.948	299	Soil sample	Cockatoo Ridge	Mar-09		
PCN 391	-24.54509	150.3801	234600.5831	7282900.448	296	Soil sample	Cockatoo Ridge	Mar-09		
PCN 392	-24.5451	150.38035	234625.939	7282899.828	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 393	-24.5451	150.38059	234650.2643	7282900.288	291	Soil sample	Cockatoo Ridge	Mar-09		
PCN 394	-24.54511	150.38084	234675.6203	7282899.658	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 395	-24.54512	150.38108	234699.962	7282899.018	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 396	-24.54511	150.38133	234725.2767	7282900.608	287	Soil sample	Cockatoo Ridge	Mar-09		
PCN 397	-24.54512	150.38183	234775.9722	7282900.458	286	Soil sample	Cockatoo Ridge	Mar-09		
PCN 398	-24.54513	150.38207	234800.3222	7282899.808	285	Soil sample	Cockatoo Ridge	Mar-09		
PCN 399	-24.54513	150.38231	234824.6391	7282900.278	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 400	-24.54513	150.38256	234849.9786	7282900.758	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 401	-24.54516	150.38279	234873.3556	7282897.878	299	Soil sample	Cockatoo Ridge	Mar-09		
PCN 402	-24.54514	150.38307	234901.6883	7282900.628	301	Soil sample	Cockatoo Ridge	Mar-09		
PCN 403	-24.54515	150.3833	234925.0158	7282899.968	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 404	-24.54515	150.38354	234949.3411	7282900.428	291	Soil sample	Cockatoo Ridge	Mar-09		
PCN 405	-24.54516	150.3838	234975.7113	7282899.818	287	Soil sample	Cockatoo Ridge	Mar-09		
PCN 406	-24.54516	150.38405	235001.0507	7282900.298	285	Soil sample	Cockatoo Ridge	Mar-09		
PCN 407	-24.54318	150.37421	233999.6094	7283100.717	290	Soil sample	Cockatoo Ridge	Mar-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 408	-24.54341	150.37421	234000.0959	7283075.232	291	Soil sample	Cockatoo Ridge	Mar-09		
PCN 409	-24.54363	150.3742	233999.5435	7283050.837	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 410	-24.54386	150.3742	234000.03	7283025.352	291	Soil sample	Cockatoo Ridge	Mar-09		
PCN 411	-24.54409	150.37419	233999.5022	7282999.848	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 412	-24.54432	150.3742	234001.003	7282974.383	293	Soil sample	Cockatoo Ridge	Mar-09		
PCN 413	-24.54454	150.37418	233999.4363	7282949.968	293	Soil sample	Cockatoo Ridge	Mar-09		
PCN 414	-24.54477	150.37419	234000.937	7282924.513	295	Soil sample	Cockatoo Ridge	Mar-09		
PCN 415	-24.54523	150.37417	233999.8816	7282873.503	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 416	-24.54544	150.37417	234000.3268	7282850.238	293	Soil sample	Cockatoo Ridge	Mar-09		
PCN 417	-24.54566	150.37417	234000.7886	7282825.863	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 418	-24.54591	150.37416	234000.3021	7282798.139	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 419	-24.54612	150.37415	233999.7331	7282774.853	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 420	-24.54635	150.37415	234000.2196	7282749.369	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 421	-24.54657	150.37414	233999.6672	7282724.973	288	Soil sample	Cockatoo Ridge	Mar-09		
PCN 422	-24.54695	150.37415	234001.4813	7282682.892	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 423	-24.5473	150.37412	233999.1807	7282644.05	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 424	-24.54747	150.37413	234000.5577	7282625.234	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 425	-24.5477	150.37412	234000.03	7282599.729	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 426	-24.54793	150.37412	234000.5165	7282574.254	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 427	-24.54815	150.37411	233999.964	7282549.859	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 428	-24.54838	150.37411	234000.4505	7282524.374	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 429	-24.5486	150.3741	233999.898	7282499.979	293	Soil sample	Cockatoo Ridge	Mar-09		
PCN 430	-24.54322	150.37619	234200.3628	7283100.107	296	Soil sample	Cockatoo Ridge	Mar-09		
PCN 431	-24.54344	150.37617	234198.8043	7283075.692	298	Soil sample	Cockatoo Ridge	Mar-09		
PCN 432	-24.54367	150.37618	234200.2968	7283050.227	302	Soil sample	Cockatoo Ridge	Mar-09		
PCN 433	-24.54389	150.37617	234199.7526	7283025.832	305	Soil sample	Cockatoo Ridge	Mar-09		
PCN 434	-24.54412	150.37616	234199.2248	7283000.327	310	Soil sample	Cockatoo Ridge	Mar-09		
PCN 435	-24.54434	150.37616	234199.6866	7282975.952	315	Soil sample	Cockatoo Ridge	Mar-09		
PCN 436	-24.54457	150.37616	234200.1731	7282950.468	323	Soil sample	Cockatoo Ridge	Mar-09		
PCN 437	-24.54481	150.37615	234199.6619	7282923.863	328	Soil sample	Cockatoo Ridge	Mar-09		
PCN 438	-24.54526	150.37615	234200.6101	7282874.003	337	Soil sample	Cockatoo Ridge	Mar-09		
PCN 439	-24.54547	150.37614	234200.0412	7282850.708	341	Soil sample	Cockatoo Ridge	Mar-09		
PCN 440	-24.5457	150.37614	234200.5277	7282825.233	344	Soil sample	Cockatoo Ridge	Mar-09		
PCN 441	-24.54593	150.37613	234200	7282799.728	344	Soil sample	Cockatoo Ridge	Mar-09		
PCN 442	-24.54615	150.37612	234199.4475	7282775.333	336	Soil sample	Cockatoo Ridge	Mar-09		
PCN 443	-24.54639	150.37612	234199.9587	7282748.739	325	Soil sample	Cockatoo Ridge	Mar-09		
PCN 444	-24.54661	150.37612	234200.4205	7282724.364	313	Soil sample	Cockatoo Ridge	Mar-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 445	-24.54705	150.37611	234200.338	7282675.594	293	Soil sample	Cockatoo Ridge	Mar-09		
PCN 446	-24.54753	150.3761	234200.338	7282622.394	286	Soil sample	Cockatoo Ridge	Mar-09		
PCN 447	-24.54771	150.3761	234200.7173	7282602.448	285	Soil sample	Cockatoo Ridge	Mar-09		
PCN 448	-24.54797	150.3761	234201.2616	7282573.644	286	Soil sample	Cockatoo Ridge	Mar-09		
PCN 449	-24.54818	150.37608	234199.6784	7282550.329	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 450	-24.54841	150.37608	234200.1649	7282524.854	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 451	-24.54886	150.37607	234200.0989	7282474.974	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 452	-24.54909	150.37607	234200.5854	7282449.49	289	Soil sample	Cockatoo Ridge	Mar-09		
PCN 453	-24.54931	150.37606	234200.0329	7282425.095	290	Soil sample	Cockatoo Ridge	Mar-09		
PCN 454	-24.54954	150.37605	234199.5052	7282399.59	291	Soil sample	Cockatoo Ridge	Mar-09		
PCN 455	-24.54976	150.37606	234200.9895	7282375.235	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 456	-24.54999	150.37605	234200.4535	7282349.73	292	Soil sample	Cockatoo Ridge	Mar-09		
PCN 457	-24.55021	150.37604	234199.9092	7282325.335	293	Soil sample	Cockatoo Ridge	Mar-09		
PCN 458	-24.55066	150.37603	234199.8433	7282275.455	293	Soil sample	Cockatoo Ridge	Mar-09		
PCN 459	-24.55089	150.37603	234200.3298	7282249.97	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 460	-24.55111	150.37603	234200.7916	7282225.595	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 461	-24.55134	150.37602	234200.2638	7282200.09	294	Soil sample	Cockatoo Ridge	Mar-09		
PCN 462	-24.55157	150.37601	234199.7361	7282174.595	295	Soil sample	Cockatoo Ridge	Mar-09		
PCN 463	-24.55179	150.37601	234200.1979	7282150.22	295	Soil sample	Cockatoo Ridge	Mar-09		
PCN 464	-24.55202	150.37601	234200.6844	7282124.736	295	Soil sample	Cockatoo Ridge	Mar-09		
PCN 465	-24.55134	150.37626	234224.5891	7282200.56	294	Soil sample	Cockatoo Ridge	Nov-09		
PCN 466	-24.55135	150.37651	234249.945	7282199.93	293	Soil sample	Cockatoo Ridge	Nov-09		
PCN 467	-24.55135	150.37675	234274.2703	7282200.39	294	Soil sample	Cockatoo Ridge	Nov-09		
PCN 468	-24.55136	150.37701	234300.6405	7282199.79	295	Soil sample	Cockatoo Ridge	Nov-09		
PCN 469	-24.55136	150.37725	234324.9575	7282200.25	294	Soil sample	Cockatoo Ridge	Nov-09		
PCN 470	-24.55135	150.37751	234351.2865	7282201.86	293	Soil sample	Cockatoo Ridge	Nov-09		
PCN 471	-24.55139	150.37784	234384.8141	7282198.061	294	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 472	-24.55139	150.37798	234399.0052	7282198.331	297	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 473	-24.55138	150.37824	234425.3341	7282199.94	297	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 474	-24.55137	150.37848	234449.6346	7282201.52	305	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 475	-24.55138	150.37873	234474.9906	7282200.89	313	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 476	-24.5514	150.37897	234499.3571	7282199.141	329	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 477	-24.55139	150.37922	234524.6718	7282200.73	328	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 478	-24.5514	150.37947	234550.0278	7282200.1	334	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 479	-24.55139	150.37971	234574.3283	7282201.67	344	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 480	-24.55139	150.37997	234600.6738	7282202.17	354	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 481	-24.55141	150.38022	234626.0545	7282200.44	360	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 482	-24.55142	150.38045	234649.382	7282199.77	358	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 483	-24.55142	150.3807	234674.7215	7282200.25	350	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 484	-24.55142	150.38095	234700.0527	7282200.74	345	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 485	-24.55144	150.38121	234726.4476	7282199.021	340	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 486	-24.55144	150.38145	234750.7646	7282199.48	336	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 487	-24.55144	150.38169	234775.0899	7282199.94	332	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 488	-24.55143	150.38195	234801.4189	7282201.55	332	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 489	-24.55145	150.38217	234823.7568	7282199.76	328	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 490	-24.55144	150.38243	234850.0858	7282201.37	326	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 491	-24.55146	150.38267	234874.444	7282199.62	329	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 492	-24.55145	150.38293	234900.773	7282201.22	333	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 493	-24.55147	150.38317	234925.1395	7282199.47	336	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 494	-24.55145	150.38341	234949.4235	7282202.15	329	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 495	-24.55148	150.38365	234973.8065	7282199.29	324	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 496	-24.55148	150.3839	234999.1377	7282199.77	318	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 497	-24.55148	150.38414	235023.4629	7282200.23	313	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 498	-24.55153	150.38439	235048.9014	7282195.171	307	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 499	-24.55151	150.38465	235075.2139	7282197.881	307	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 500	-24.5515	150.3849	235100.5286	7282199.47	303	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 501	-24.5515	150.38514	235124.8456	7282199.94	261	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 502	-24.5515	150.38539	235150.1851	7282200.42	258	Soil sample	Cockatoo Ridge	Nov-09		
PCN 503	-24.55151	150.38563	235174.5268	7282199.77	258	Soil sample	Cockatoo Ridge	Nov-09		
PCN 504	-24.55152	150.38587	235198.8685	7282199.121	260	Soil sample	Cockatoo Ridge	Nov-09		
PCN 505	-24.55152	150.38613	235225.2223	7282199.62	263	Soil sample	Cockatoo Ridge	Nov-09		
PCN 506	-24.55152	150.38639	235251.5677	7282200.12	265	Soil sample	Cockatoo Ridge	Nov-09		
PCN 507	-24.55153	150.38663	235275.9095	7282199.48	261	Soil sample	Cockatoo Ridge	Nov-09		
PCN 508	-24.55154	150.38686	235299.2452	7282198.811	260	Soil sample	Cockatoo Ridge	Nov-09		
PCN 509	-24.55154	150.38711	235324.5764	7282199.29	258	Soil sample	Cockatoo Ridge	Nov-09		
PCN 510	-24.55153	150.38736	235349.8912	7282200.88	258	Soil sample	Cockatoo Ridge	Nov-09		
PCN 511	-24.55154	150.3876	235374.2329	7282200.23	257	Soil sample	Cockatoo Ridge	Nov-09		
PCN 512	-24.55154	150.38785	235399.5724	7282200.71	257	Soil sample	Cockatoo Ridge	Nov-09		
PCN 513	-24.54954	150.37631	234225.8589	7282400.09	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 514	-24.54955	150.37656	234251.2149	7282399.47	288	Soil sample	Cockatoo Ridge	Nov-09		
PCN 515	-24.54955	150.37679	234274.5259	7282399.91	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 516	-24.54955	150.37709	234304.9283	7282400.49	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 517	-24.54955	150.3773	234326.2108	7282400.889	291	Soil sample	Cockatoo Ridge	Nov-09		
PCN 518	-24.54957	150.3775	234346.5204	7282399.06	292	Soil sample	Cockatoo Ridge	Nov-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 519	-24.54956	150.37778	234374.8778	7282400.709	293	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 520	-24.54957	150.37802	234399.2196	7282400.07	295	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 521	-24.54956	150.37826	234423.5201	7282401.639	297	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 522	-24.54958	150.37853	234450.9292	7282399.94	302	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 523	-24.54957	150.37877	234475.2297	7282401.509	304	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 524	-24.54959	150.37902	234500.6022	7282399.78	306	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 525	-24.54959	150.37927	234525.9417	7282400.26	310	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 526	-24.54959	150.37952	234551.2812	7282400.739	314	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 527	-24.5496	150.37974	234573.5944	7282400.06	319	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 528	-24.5496	150.38	234599.9481	7282400.56	323	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 529	-24.54961	150.38025	234625.3041	7282399.93	321	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 530	-24.54961	150.38049	234649.6211	7282400.39	322	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 531	-24.54962	150.38073	234673.9711	7282399.75	322	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 532	-24.54962	150.38098	234699.3023	7282400.23	320	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 533	-24.54963	150.38123	234724.6583	7282399.6	319	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 534	-24.54962	150.38148	234749.973	7282401.189	319	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 535	-24.54962	150.38173	234775.3125	7282401.679	319	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 536	-24.54964	150.38198	234800.6932	7282399.94	318	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 537	-24.54965	150.38222	234825.035	7282399.29	317	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 538	-24.54965	150.38247	234850.3662	7282399.78	310	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 539	-24.54966	150.38272	234875.7304	7282399.15	309	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 540	-24.54966	150.38297	234901.0616	7282399.63	305	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 541	-24.54966	150.38321	234925.3869	7282400.09	302	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 542	-24.54968	150.38351	234955.8305	7282398.45	297	Soil sample	Cockatoo Ridge	Nov-09		
PCN 543	-24.54967	150.3837	234975.0681	7282399.93	295	Soil sample	Cockatoo Ridge	Nov-09		
PCN 544	-24.54967	150.38395	235000.3993	7282400.41	293	Soil sample	Cockatoo Ridge	Nov-09		
PCN 545	-24.54967	150.38419	235024.7246	7282400.869	294	Soil sample	Cockatoo Ridge	Nov-09		
PCN 546	-24.54969	150.38445	235051.1195	7282399.15	292	Soil sample	Cockatoo Ridge	Nov-09		
PCN 547	-24.54969	150.38469	235075.4365	7282399.62	288	Soil sample	Cockatoo Ridge	Nov-09		
PCN 548	-24.54968	150.38493	235099.737	7282401.179	288	Soil sample	Cockatoo Ridge	Nov-09		
PCN 549	-24.5497	150.38518	235125.1177	7282399.45	285	Soil sample	Cockatoo Ridge	Nov-09		
PCN 550	-24.5497	150.38543	235150.4572	7282399.93	285	Soil sample	Cockatoo Ridge	Nov-09		
PCN 551	-24.5497	150.38568	235175.7884	7282400.41	285	Soil sample	Cockatoo Ridge	Nov-09		
PCN 552	-24.54971	150.38591	235199.1159	7282399.75	286	Soil sample	Cockatoo Ridge	Nov-09		
PCN 553	-24.54972	150.38617	235225.4861	7282399.14	287	Soil sample	Cockatoo Ridge	Nov-09		
PCN 554	-24.54971	150.38642	235250.8091	7282400.729	286	Soil sample	Cockatoo Ridge	Nov-09		
PCN 555	-24.54972	150.38665	235274.1366	7282400.06	289	Soil sample	Cockatoo Ridge	Nov-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 556	-24.54973	150.3869	235299.4926	7282399.43	291	Soil sample	Cockatoo Ridge	Nov-09		
PCN 557	-24.54771	150.37461	234049.7112	7282599.569	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 558	-24.54771	150.37486	234075.0424	7282600.049	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 559	-24.54772	150.3751	234099.3924	7282599.409	291	Soil sample	Cockatoo Ridge	Nov-09		
PCN 560	-24.54772	150.37536	234125.7379	7282599.909	290	Soil sample	Cockatoo Ridge	Nov-09		
PCN 561	-24.54772	150.37561	234151.0774	7282600.389	290	Soil sample	Cockatoo Ridge	Nov-09		
PCN 562	-24.54773	150.37585	234175.4191	7282599.749	290	Soil sample	Cockatoo Ridge	Nov-09		
PCN 563	-24.54765	150.3761	234200.5854	7282609.097	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 564	-24.54774	150.37635	234226.1145	7282599.609	292	Soil sample	Cockatoo Ridge	Nov-09		
PCN 565	-24.54772	150.37659	234250.3986	7282602.288	292	Soil sample	Cockatoo Ridge	Nov-09		
PCN 566	-24.54774	150.37683	234274.7568	7282600.529	283	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 567	-24.54775	150.37708	234300.121	7282599.909	290	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 568	-24.54775	150.37732	234324.438	7282600.369	295	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 569	-24.54776	150.37757	234349.8022	7282599.739	301	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 570	-24.54777	150.37782	234375.1582	7282599.119	307	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 571	-24.54776	150.37807	234400.4729	7282600.709	318	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 572	-24.54776	150.37831	234424.7982	7282601.169	317	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 573	-24.54777	150.37856	234450.1541	7282600.539	312	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 574	-24.54778	150.37882	234476.5243	7282599.939	306	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 575	-24.54778	150.37906	234500.8496	7282600.399	301	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 576	-24.54779	150.3793	234525.1913	7282599.759	299	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 577	-24.54785	150.37956	234551.6687	7282593.61	298	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 578	-24.54779	150.37979	234574.8478	7282600.699	297	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 579	-24.5478	150.38005	234601.218	7282600.089	297	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 580	-24.5478	150.38028	234624.529	7282600.539	295	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 581	-24.54778	150.38053	234649.8273	7282603.228	295	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 582	-24.54781	150.38077	234674.2102	7282600.369	296	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 583	-24.54782	150.38103	234700.5804	7282599.759	298	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 584	-24.54782	150.38128	234725.9199	7282600.249	300	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 585	-24.54782	150.38152	234750.2369	7282600.709	301	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 586	-24.54783	150.38175	234773.5726	7282600.039	304	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 587	-24.54783	150.38201	234799.9181	7282600.539	302	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 588	-24.54783	150.38226	234825.2576	7282601.019	299	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 589	-24.54785	150.3825	234849.6241	7282599.269	297	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 590	-24.54785	150.38275	234874.9553	7282599.749	293	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 591	-24.54785	150.38299	234899.2805	7282600.209	293	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 592	-24.54785	150.38324	234924.62	7282600.689	291	Soil sample	Cockatoo Ridge	Nov-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 593	-24.54786	150.38349	234949.976	7282600.069	286	Soil sample	Cockatoo Ridge	Nov-09		
PCN 594	-24.54786	150.38374	234975.3155	7282600.549	285	Soil sample	Cockatoo Ridge	Nov-09		
PCN 595	-24.54787	150.38398	234999.6572	7282599.899	282	Soil sample	Cockatoo Ridge	Nov-09		
PCN 596	-24.54787	150.38422	235023.9824	7282600.359	278	Soil sample	Cockatoo Ridge	Nov-09		
PCN 597	-24.54787	150.38448	235050.3279	7282600.859	277	Soil sample	Cockatoo Ridge	Nov-09		
PCN 598	-24.54788	150.38475	235077.7124	7282600.279	278	Soil sample	Cockatoo Ridge	Nov-09		
PCN 599	-24.54788	150.38498	235101.0234	7282600.719	277	Soil sample	Cockatoo Ridge	Nov-09		
PCN 600	-24.54789	150.38522	235125.3651	7282600.069	276	Soil sample	Cockatoo Ridge	Nov-09		
PCN 601	-24.54789	150.38546	235149.6903	7282600.529	277	Soil sample	Cockatoo Ridge	Nov-09		
PCN 602	-24.5479	150.38572	235176.0605	7282599.919	281	Soil sample	Cockatoo Ridge	Nov-09		
PCN 603	-24.54791	150.38596	235200.4023	7282599.279	283	Soil sample	Cockatoo Ridge	Nov-09		
PCN 604	-24.54584	150.37072	233651.5194	7282799.248	289	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 605	-24.54584	150.37095	233674.8304	7282799.698	288	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 606	-24.54584	150.3712	233700.1699	7282800.178	288	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 607	-24.54584	150.37145	233725.5011	7282800.658	287	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 608	-24.54585	150.37169	233749.8511	7282800.018	284	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 609	-24.54585	150.37195	233776.1965	7282800.518	283	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 610	-24.54586	150.37218	233799.5323	7282799.858	283	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 611	-24.54587	150.37244	233825.9025	7282799.248	283	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 612	-24.54587	150.37268	233850.2277	7282799.708	283	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 613	-24.54587	150.37292	233874.5447	7282800.178	284	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 614	-24.54587	150.37318	233900.8984	7282800.678	282	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 615	-24.54589	150.37366	233949.5902	7282799.388	284	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 616	-24.54588	150.37392	233975.9191	7282800.998	287	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 617	-24.5459	150.37465	234049.9421	7282800.198	294	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 618	-24.54592	150.37489	234074.3085	7282798.439	300	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 619	-24.5459	150.37514	234099.6068	7282801.138	310	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 620	-24.54591	150.37539	234124.9628	7282800.518	319	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 621	-24.54592	150.37562	234148.2903	7282799.848	329	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 622	-24.54592	150.37588	234174.644	7282800.348	335	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 623	-24.54592	150.37614	234200.9895	7282800.858	342	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 624	-24.54593	150.37638	234225.3394	7282800.208	347	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 625	-24.54594	150.37663	234250.6954	7282799.578	349	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 626	-24.54595	150.37687	234275.0371	7282798.938	354	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 627	-24.54594	150.37712	234300.3519	7282800.528	355	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 628	-24.54595	150.37736	234324.7019	7282799.878	350	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 629	-24.54595	150.37761	234350.0331	7282800.368	342	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 630	-24.54595	150.37787	234376.3868	7282800.868	332	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 631	-24.54596	150.37811	234400.7285	7282800.218	326	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 632	-24.54597	150.37835	234425.0785	7282799.578	318	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 633	-24.54597	150.3786	234450.4098	7282800.058	309	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 634	-24.54597	150.37884	234474.735	7282800.518	308	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 635	-24.54598	150.37909	234500.091	7282799.898	303	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 636	-24.54598	150.37933	234524.4162	7282800.358	301	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 637	-24.54599	150.3796	234551.8007	7282799.768	297	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 638	-24.54599	150.37982	234574.0974	7282800.188	297	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 639	-24.54599	150.38007	234599.4369	7282800.678	299	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 640	-24.54614	150.38062	234655.4921	7282785.111	293	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 641	-24.54601	150.38083	234676.5026	7282799.918	291	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 642	-24.54601	150.38107	234700.8278	7282800.388	288	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 643	-24.54602	150.38131	234725.1695	7282799.738	284	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 644	-24.54602	150.38156	234750.509	7282800.218	285	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 645	-24.54602	150.3818	234774.826	7282800.678	283	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 646	-24.54603	150.38205	234800.1902	7282800.058	283	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 647	-24.54604	150.38229	234824.532	7282799.408	282	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 648	-24.54604	150.38254	234849.8714	7282799.888	281	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 649	-24.54604	150.38279	234875.2027	7282800.368	280	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 650	-24.54605	150.38303	234899.5526	7282799.728	279	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 651	-24.54605	150.38328	234924.8839	7282800.208	281	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 652	-24.54605	150.38352	234949.2091	7282800.668	283	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 653	-24.54606	150.38377	234974.5651	7282800.038	282	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 654	-24.54606	150.38402	234999.9046	7282800.518	282	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 655	-24.54405	150.37224	233801.7834	7283000.517	291	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 656	-24.54406	150.37247	233825.1191	7282999.858	291	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 657	-24.54406	150.37272	233850.4586	7283000.337	290	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 658	-24.54407	150.37297	233875.8146	7282999.708	291	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 659	-24.54407	150.37322	233901.1541	7283000.197	289	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 660	-24.54407	150.37346	233925.4711	7283000.657	286	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 661	-24.54407	150.3737	233949.7963	7283001.117	288	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 662	-24.54409	150.37395	233975.177	7282999.388	291	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 663	-24.54409	150.37418	233998.488	7282999.828	294	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 664	-24.54409	150.37443	234023.8275	7283000.317	295	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 665	-24.54409	150.3747	234051.1872	7283000.837	296	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 666	-24.5441	150.37495	234076.5514	7283000.207	298	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 667	-24.54411	150.37518	234099.8789	7282999.548	301	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 668	-24.54411	150.37543	234125.2184	7283000.027	307	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 669	-24.54411	150.37568	234150.5579	7283000.507	308	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 670	-24.54412	150.37592	234174.8996	7282999.868	313	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 671	-24.54412	150.37617	234200.2391	7283000.347	315	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 672	-24.54413	150.37641	234224.5808	7282999.708	314	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 673	-24.54413	150.37667	234250.9345	7283000.207	312	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 674	-24.54414	150.37691	234275.2763	7282999.558	314	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 675	-24.54414	150.37716	234300.6157	7283000.037	314	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 676	-24.54414	150.3774	234324.941	7283000.507	310	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 677	-24.54415	150.37764	234349.2827	7282999.858	309	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 678	-24.54416	150.3779	234375.6529	7282999.258	307	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 679	-24.54415	150.37814	234399.9534	7283000.827	305	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 680	-24.54416	150.37839	234425.3176	7283000.197	306	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 681	-24.54416	150.37864	234450.6489	7283000.677	303	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 682	-24.54417	150.37888	234474.9989	7283000.037	303	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 683	-24.54417	150.37913	234500.3301	7283000.517	301	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 684	-24.54418	150.37938	234525.6943	7282999.888	300	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 685	-24.54418	150.37962	234550.0196	7283000.347	298	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 686	-24.54419	150.37987	234575.3755	7282999.728	298	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 687	-24.54419	150.38011	234599.7008	7283000.187	294	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 688	-24.54419	150.38035	234624.0178	7283000.647	293	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 689	-24.54315	150.37225	233800.9011	7283100.257	280	Soil sample	Cockatoo Ridge	Nov-09		
PCN 690	-24.54316	150.37274	233850.5823	7283100.097	278	Soil sample	Cockatoo Ridge	Nov-09		
PCN 691	-24.54316	150.37298	233874.9075	7283100.557	280	Soil sample	Cockatoo Ridge	Nov-09		
PCN 692	-24.54317	150.37322	233899.2493	7283099.917	281	Soil sample	Cockatoo Ridge	Nov-09		
PCN 693	-24.54318	150.37348	233925.6195	7283099.307	281	Soil sample	Cockatoo Ridge	Nov-09		
PCN 694	-24.54317	150.37372	233949.9282	7283100.877	283	Soil sample	Cockatoo Ridge	Nov-09		
PCN 695	-24.54319	150.37396	233974.2947	7283099.127	287	Soil sample	Cockatoo Ridge	Nov-09		
PCN 696	-24.54318	150.37422	234000.6237	7283100.737	289	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 697	-24.54319	150.37446	234024.9654	7283100.087	289	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 698	-24.5432	150.37471	234050.3214	7283099.467	290	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 699	-24.5432	150.37496	234075.6609	7283099.947	293	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 700	-24.5432	150.3752	234099.9861	7283100.407	295	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 701	-24.54321	150.37545	234125.3421	7283099.787	295	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 702	-24.54321	150.3757	234150.6816	7283100.267	294	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 703	-24.54321	150.37594	234175.0068	7283100.727	296	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 704	-24.54322	150.37618	234199.3485	7283100.087	297	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 705	-24.54322	150.37644	234225.7022	7283100.587	298	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 706	-24.54323	150.37669	234251.0582	7283099.967	299	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 707	-24.54323	150.37693	234275.3835	7283100.427	292	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 708	-24.54324	150.37718	234300.7394	7283099.797	291	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 709	-24.54324	150.37742	234325.0647	7283100.267	293	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 710	-24.54324	150.37766	234349.3899	7283100.727	295	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 711	-24.54325	150.37791	234374.7459	7283100.097	294	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 712	-24.54325	150.37816	234400.0854	7283100.577	294	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 713	-24.54326	150.37841	234425.4413	7283099.957	295	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 714	-24.54326	150.37865	234449.7666	7283100.417	296	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 715	-24.54327	150.3789	234475.1308	7283099.787	296	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 716	-24.54327	150.37915	234500.462	7283100.277	296	Soil sample	Cockatoo Ridge	Nov-09	ALS	Au-TL43, ME-ICP43, ME-MS43
PCN 717	-24.54328	150.37939	234524.812	7283099.627	295	Soil sample	Cockatoo Ridge	Nov-09		
PCN 718	-24.54328	150.37965	234551.1575	7283100.127	295	Soil sample	Cockatoo Ridge	Nov-09		
PCN 719	-24.54328	150.37988	234574.4685	7283100.567	296	Soil sample	Cockatoo Ridge	Nov-09		
PCN 720	-24.54329	150.38014	234600.8469	7283099.967	295	Soil sample	Cockatoo Ridge	Nov-09		
PCN 721	-24.5433	150.38038	234625.1887	7283099.317	296	Soil sample	Cockatoo Ridge	Nov-09		
PCN 722	-24.5433	150.38061	234648.4997	7283099.757	295	Soil sample	Cockatoo Ridge	Nov-09		
PCN 723	-24.55538	150.37544	234150.0136	7281751.352	306	Soil sample	Cockatoo Ridge	Nov-09		
PCN 724	-24.5554	150.37569	234175.3861	7281749.612	305	Soil sample	Cockatoo Ridge	Nov-09		
PCN 725	-24.55541	150.37594	234200.7421	7281748.992	306	Soil sample	Cockatoo Ridge	Nov-09		
PCN 726	-24.5554	150.37617	234224.0366	7281750.542	306	Soil sample	Cockatoo Ridge	Nov-09		
PCN 727	-24.5554	150.37642	234249.3678	7281751.022	307	Soil sample	Cockatoo Ridge	Nov-09		
PCN 728	-24.55542	150.37666	234273.7343	7281749.272	306	Soil sample	Cockatoo Ridge	Nov-09		
PCN 729	-24.55542	150.37692	234300.0798	7281749.772	308	Soil sample	Cockatoo Ridge	Nov-09		
PCN 730	-24.55542	150.37717	234325.411	7281750.252	307	Soil sample	Cockatoo Ridge	Nov-09		
PCN 731	-24.55543	150.37742	234350.767	7281749.632	308	Soil sample	Cockatoo Ridge	Nov-09		
PCN 732	-24.55543	150.37766	234375.0922	7281750.092	307	Soil sample	Cockatoo Ridge	Nov-09		
PCN 733	-24.55543	150.37815	234424.7487	7281751.042	309	Soil sample	Cockatoo Ridge	Nov-09		
PCN 734	-24.55545	150.3784	234450.1294	7281749.302	307	Soil sample	Cockatoo Ridge	Nov-09		
PCN 735	-24.55545	150.37864	234474.4464	7281749.762	310	Soil sample	Cockatoo Ridge	Nov-09		
PCN 736	-24.55546	150.37889	234499.8024	7281749.142	311	Soil sample	Cockatoo Ridge	Nov-09		
PCN 737	-24.55546	150.37914	234525.1418	7281749.622	314	Soil sample	Cockatoo Ridge	Nov-09		
PCN 738	-24.55547	150.37939	234550.4978	7281748.992	319	Soil sample	Cockatoo Ridge	Nov-09		
PCN 739	-24.55546	150.37964	234575.8043	7281750.582	321	Soil sample	Cockatoo Ridge	Nov-09		
PCN 740	-24.55547	150.37988	234600.1543	7281749.942	316	Soil sample	Cockatoo Ridge	Nov-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCN 741	-24.55547	150.38013	234625.4855	7281750.422	313	Soil sample	Cockatoo Ridge	Nov-09		
PCN 742	-24.55549	150.38037	234649.852	7281748.672	312	Soil sample	Cockatoo Ridge	Nov-09		
PCN 743	-24.55548	150.38062	234675.1667	7281750.262	309	Soil sample	Cockatoo Ridge	Nov-09		
PCN 744	-24.55548	150.38087	234700.498	7281750.742	308	Soil sample	Cockatoo Ridge	Nov-09		
PCN 745	-24.55549	150.38111	234724.8397	7281750.092	309	Soil sample	Cockatoo Ridge	Nov-09		
PCN 746	-24.5555	150.38135	234749.1814	7281749.452	309	Soil sample	Cockatoo Ridge	Nov-09		
PCN 747	-24.5555	150.3816	234774.5209	7281749.932	310	Soil sample	Cockatoo Ridge	Nov-09		
PCN 748	-24.55551	150.38185	234799.8769	7281749.302	312	Soil sample	Cockatoo Ridge	Nov-09		
PCN 749	-24.55551	150.38209	234824.1939	7281749.762	312	Soil sample	Cockatoo Ridge	Nov-09		
PCN 750	-24.55551	150.38235	234850.5476	7281750.262	314	Soil sample	Cockatoo Ridge	Nov-09		
PCN 751	-24.55552	150.3826	234875.9036	7281749.642	315	Soil sample	Cockatoo Ridge	Nov-09		
PCN 752	-24.55553	150.38284	234900.2453	7281748.992	310	Soil sample	Cockatoo Ridge	Nov-09		
PCN 753	-24.55552	150.38309	234925.5518	7281750.582	307	Soil sample	Cockatoo Ridge	Nov-09		
PCN 754	-24.55553	150.38334	234950.9078	7281749.952	306	Soil sample	Cockatoo Ridge	Nov-09		
PCN 755	-24.55554	150.38358	234975.2577	7281749.312	306	Soil sample	Cockatoo Ridge	Nov-09		
PCN 756	-24.55554	150.38383	235000.589	7281749.792	303	Soil sample	Cockatoo Ridge	Nov-09		
PCN 757	-24.55555	150.38408	235025.9449	7281749.162	301	Soil sample	Cockatoo Ridge	Nov-09		
PCN 758	-24.55555	150.38432	235050.2702	7281749.622	301	Soil sample	Cockatoo Ridge	Nov-09		
PCN 759	-24.55555	150.38457	235075.6014	7281750.112	300	Soil sample	Cockatoo Ridge	Nov-09		
PCN 760	-24.55555	150.38481	235099.9184	7281750.572	300	Soil sample	Cockatoo Ridge	Nov-09		
PCN 761	-24.55555	150.38506	235125.2579	7281751.052	299	Soil sample	Cockatoo Ridge	Nov-09		
PCN 762	-24.55556	150.3853	235149.5996	7281750.402	298	Soil sample	Cockatoo Ridge	Nov-09		
PCN 763	-24.55556	150.38555	235174.9309	7281750.882	295	Soil sample	Cockatoo Ridge	Nov-09		
PCN 764	-24.55557	150.38579	235199.2808	7281750.242	291	Soil sample	Cockatoo Ridge	Nov-09		
PCN 765	-24.55558	150.38603	235223.6226	7281749.592	290	Soil sample	Cockatoo Ridge	Nov-09		
PCN 766	-24.55558	150.38629	235249.968	7281750.092	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 767	-24.55559	150.38654	235275.324	7281749.462	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 768	-24.55559	150.38679	235300.6552	7281749.942	286	Soil sample	Cockatoo Ridge	Nov-09		
PCN 769	-24.55559	150.38703	235324.9805	7281750.402	287	Soil sample	Cockatoo Ridge	Nov-09		
PCN 770	-24.5556	150.38728	235350.3365	7281749.782	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 771	-24.5556	150.38752	235374.6535	7281750.242	289	Soil sample	Cockatoo Ridge	Nov-09		
PCN 772	-24.55561	150.38778	235401.0237	7281749.632	293	Soil sample	Cockatoo Ridge	Nov-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 1001	-24.530658	150.380394	234600	7284500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1002	-24.53111	150.380385	234600	7284450		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1003	-24.531561	150.380375	234600	7284400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1004	-24.532012	150.380366	234600	7284350		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1005	-24.532463	150.380357	234600	7284300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1006	-24.532914	150.380347	234600	7284250		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1007	-24.533365	150.380338	234600	7284200		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1008	-24.533816	150.380328	234600	7284150		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1009	-24.534267	150.380319	234600	7284100		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1010	-24.534718	150.38031	234600	7284050		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1011	-24.53517	150.3803	234600	7284000		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1012	-24.535621	150.380291	234600	7283950		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1013	-24.536072	150.380282	234600	7283900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1014	-24.536523	150.380272	234600	7283850		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1015	-24.536974	150.380263	234600	7283800		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1016	-24.537425	150.380254	234600	7283750		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1017	-24.537876	150.380244	234600	7283700		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1018	-24.538327	150.380235	234600	7283650		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1019	-24.538778	150.380225	234600	7283600		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1020	-24.53923	150.380216	234600	7283550		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1021	-24.539681	150.380207	234600	7283500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1022	-24.540132	150.380197	234600	7283450		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1023	-24.540583	150.380188	234600	7283400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1024	-24.541034	150.380179	234600	7283350		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1025	-24.541485	150.380169	234600	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1026	-24.541936	150.38016	234600	7283250		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1027	-24.542387	150.38015	234600	7283200		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1028	-24.542838	150.380141	234600	7283150		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1029	-24.54329	150.380132	234600	7283100		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1030	-24.543741	150.380122	234600	7283050		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1031	-24.544192	150.380113	234600	7283000		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1032	-24.544643	150.380104	234600	7282950		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1033	-24.545094	150.380094	234600	7282900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1034	-24.545545	150.380085	234600	7282850		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1035	-24.545996	150.380075	234600	7282800		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1036	-24.546447	150.380066	234600	7282750		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1037	-24.546898	150.380057	234600	7282700		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 1038	-24.54735	150.380047	234600	7282650		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1039	-24.547801	150.380038	234600	7282600		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1040	-24.548252	150.380029	234600	7282550		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1041	-24.548703	150.380019	234600	7282500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1042	-24.549154	150.38001	234600	7282450		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1043	-24.549605	150.38	234600	7282400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1044	-24.550056	150.379991	234600	7282350		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1045	-24.550507	150.379982	234600	7282300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1046	-24.550958	150.379972	234600	7282250		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1047	-24.551409	150.379963	234600	7282200		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1048	-24.551861	150.379954	234600	7282150		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1049	-24.552312	150.379944	234600	7282100		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1050	-24.552763	150.379935	234600	7282050		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1051	-24.553214	150.379925	234600	7282000		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1052	-24.553665	150.379916	234600	7281950		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1053	-24.554116	150.379907	234600	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1054	-24.554567	150.379897	234600	7281850		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1055	-24.555018	150.379888	234600	7281800		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1056	-24.555469	150.379878	234600	7281750		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1057	-24.555921	150.379869	234600	7281700		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1058	-24.556372	150.37986	234600	7281650		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1059	-24.54169	150.392005	235800	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1060	-24.541682	150.391512	235750	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1061	-24.541673	150.391019	235700	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1062	-24.541665	150.390526	235650	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1063	-24.541656	150.390032	235600	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1064	-24.541648	150.389539	235550	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1065	-24.541639	150.389046	235500	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1066	-24.541631	150.388553	235450	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1067	-24.541622	150.38806	235400	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1068	-24.541614	150.387567	235350	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1069	-24.541605	150.387073	235300	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1070	-24.541596	150.38658	235250	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1071	-24.541588	150.386087	235200	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1072	-24.541579	150.385594	235150	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1073	-24.541571	150.385101	235100	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1074	-24.541562	150.384608	235050	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 1075	-24.541554	150.384114	235000	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1076	-24.541545	150.383621	234950	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1077	-24.541537	150.383128	234900	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1078	-24.541528	150.382635	234850	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1079	-24.541519	150.382142	234800	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1080	-24.541511	150.381649	234750	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1081	-24.541502	150.381156	234700	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1082	-24.541494	150.380662	234650	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1083	-24.541485	150.380169	234600	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1084	-24.541477	150.379676	234550	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1085	-24.541468	150.379183	234500	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1086	-24.541459	150.37869	234450	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1087	-24.541451	150.378197	234400	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1088	-24.541442	150.377703	234350	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1089	-24.541434	150.37721	234300	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1090	-24.541425	150.376717	234250	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1091	-24.541416	150.376224	234200	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1092	-24.554458	150.399635	236600	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1093	-24.554909	150.399626	236600	7281850		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1094	-24.55536	150.399617	236600	7281800		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1095	-24.555811	150.399607	236600	7281750		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1096	-24.556262	150.399598	236600	7281700		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1097	-24.556714	150.399589	236600	7281650		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1098	-24.557165	150.399579	236600	7281600		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1099	-24.557616	150.39957	236600	7281550		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1100	-24.558067	150.399561	236600	7281500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1101	-24.558518	150.399551	236600	7281450		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1102	-24.558969	150.399542	236600	7281400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1103	-24.55942	150.399533	236600	7281350		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1104	-24.559871	150.399523	236600	7281300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1105	-24.560322	150.399514	236600	7281250		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1106	-24.560774	150.399505	236600	7281200		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1107	-24.561225	150.399495	236600	7281150		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1108	-24.561676	150.399486	236600	7281100		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1109	-24.562127	150.399477	236600	7281050		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1110	-24.562578	150.399468	236600	7281000		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1111	-24.563029	150.399458	236600	7280950		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 1112	-24.56348	150.399449	236600	7280900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1113	-24.563931	150.39944	236600	7280850		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1114	-24.564383	150.39943	236600	7280800		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1115	-24.564834	150.399421	236600	7280750		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1116	-24.565285	150.399412	236600	7280700		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1117	-24.565736	150.399402	236600	7280650		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1118	-24.566187	150.399393	236600	7280600		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1119	-24.566638	150.399384	236600	7280550		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1120	-24.567089	150.399374	236600	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1121	-24.56754	150.399365	236600	7280450		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1122	-24.567991	150.399356	236600	7280400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1123	-24.568443	150.399346	236600	7280350		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1124	-24.568894	150.399337	236600	7280300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1125	-24.569345	150.399328	236600	7280250		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1126	-24.569796	150.399319	236600	7280200		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1127	-24.570247	150.399309	236600	7280150		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1128	-24.570698	150.3993	236600	7280100		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1129	-24.571149	150.399291	236600	7280050		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1130	-24.5716	150.399281	236600	7280000		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1131	-24.572051	150.399272	236600	7279950		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1132	-24.572503	150.399263	236600	7279900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1133	-24.572954	150.399253	236600	7279850		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1134-NS	-24.573405	150.399244	236600	7279800		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1135	-24.573856	150.399235	236600	7279750		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1136	-24.574307	150.399225	236600	7279700		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1137	-24.574758	150.399216	236600	7279650		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1138	-24.575209	150.399207	236600	7279600		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1139	-24.57566	150.399197	236600	7279550		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1140-NS	-24.576111	150.399188	236600	7279500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1141	-24.576563	150.399179	236600	7279450		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1142	-24.577014	150.399169	236600	7279400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1143	-24.577465	150.39916	236600	7279350		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1144	-24.577916	150.399151	236600	7279300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1145	-24.578367	150.399141	236600	7279250		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1146	-24.578818	150.399132	236600	7279200		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1147	-24.579269	150.399123	236600	7279150		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1148	-24.57972	150.399114	236600	7279100		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 1149	-24.567157	150.403321	237000	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1150	-24.56715	150.402926	236960	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1151	-24.56714	150.402334	236900	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1152	-24.567132	150.401841	236850	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1153	-24.567123	150.401347	236800	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1154	-24.567115	150.400854	236750	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1155	-24.567106	150.400361	236700	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1156	-24.567098	150.399868	236650	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1157	-24.567089	150.399374	236600	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1158	-24.567081	150.398881	236550	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1159	-24.567072	150.398388	236500	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1160-NS	-24.567064	150.397895	236450	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1161	-24.567055	150.397401	236400	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1162	-24.567047	150.396908	236350	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1163	-24.567038	150.396415	236300	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1164	-24.56703	150.395922	236250	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1165	-24.567021	150.395428	236200	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1166	-24.567012	150.394935	236150	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1167	-24.567004	150.394442	236100	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1168	-24.566995	150.393948	236050	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1169	-24.566987	150.393455	236000	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1170	-24.566978	150.392962	235950	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1171	-24.56697	150.392469	235900	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1172	-24.566961	150.391975	235850	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1173	-24.566953	150.391482	235800	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1174	-24.566944	150.390989	235750	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1175	-24.566936	150.390496	235700	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1176	-24.566927	150.390002	235650	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1177	-24.566918	150.389509	235600	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1178	-24.56691	150.389016	235550	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1179	-24.566901	150.388523	235500	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1180	-24.566893	150.388029	235450	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1181	-24.566884	150.387536	235400	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1182	-24.566876	150.387043	235350	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1183	-24.566867	150.38655	235300	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1184	-24.566859	150.386056	235250	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1185	-24.56685	150.385563	235200	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 1186	-24.566841	150.38507	235150	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1187	-24.566833	150.384577	235100	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1188	-24.566824	150.384083	235050	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1189	-24.566816	150.38359	235000	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1190	-24.566807	150.383097	234950	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1191	-24.566799	150.382603	234900	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1192	-24.56679	150.38211	234850	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1193	-24.566781	150.381617	234800	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1194	-24.566773	150.381124	234750	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1195	-24.566764	150.380631	234700	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1196	-24.566756	150.380137	234650	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1197	-24.566747	150.379644	234600	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1198	-24.566739	150.379151	234550	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1199	-24.56673	150.378657	234500	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1200	-24.566721	150.378164	234450	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1201	-24.566713	150.377671	234400	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1202	-24.566704	150.377178	234350	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1203	-24.55456	150.405554	237200	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1204	-24.554552	150.405061	237150	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1205	-24.554543	150.404567	237100	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1206	-24.554535	150.404074	237050	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1207	-24.554526	150.403581	237000	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1208	-24.554518	150.403088	236950	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1209	-24.554509	150.402594	236900	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1210	-24.554501	150.402101	236850	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1211	-24.554492	150.401608	236800	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1212	-24.554483	150.401115	236750	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1213	-24.554475	150.400622	236700	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1214	-24.554466	150.400128	236650	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1215	-24.554458	150.399635	236600	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1216	-24.554449	150.399142	236550	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1217	-24.554441	150.398649	236500	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1218	-24.554432	150.398156	236450	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1219	-24.554424	150.397662	236400	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1220	-24.554415	150.397169	236350	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1221	-24.554407	150.396676	236300	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1222	-24.554398	150.396183	236250	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 1223	-24.55439	150.395689	236200	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1224	-24.554381	150.395196	236150	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1225	-24.554373	150.394703	236100	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1226	-24.554364	150.39421	236050	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1227	-24.554356	150.393717	236000	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1228	-24.554347	150.393223	235950	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1229	-24.554339	150.39273	235900	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1230	-24.55433	150.392237	235850	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1231	-24.554322	150.391744	235800	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1232	-24.554313	150.39125	235750	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1233	-24.554304	150.390757	235700	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1234	-24.554296	150.390264	235650	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1235	-24.554287	150.389771	235600	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1236	-24.554279	150.389278	235550	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1237	-24.55427	150.388784	235500	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1238	-24.554262	150.388291	235450	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1239	-24.554253	150.387798	235400	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1240	-24.554245	150.387305	235350	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1241	-24.554236	150.386812	235300	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1242	-24.554227	150.386318	235250	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1243	-24.554219	150.385825	235200	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1244	-24.55421	150.385332	235150	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1245	-24.554202	150.384839	235100	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1246	-24.554193	150.384346	235050	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1247	-24.554185	150.383852	235000	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1248	-24.554176	150.383359	234950	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1249	-24.554168	150.382866	234900	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1250	-24.554159	150.382373	234850	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1251	-24.55415	150.381879	234800	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1252	-24.554142	150.381386	234750	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1253	-24.554133	150.380893	234700	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1254	-24.554125	150.3804	234650	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1255	-24.554116	150.379907	234600	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1256	-24.554108	150.379413	234550	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1257	-24.554099	150.37892	234500	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1258	-24.55409	150.378427	234450	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1259	-24.554082	150.377934	234400	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 1260	-24.554073	150.377441	234350	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1261	-24.540754	150.390051	235600	7283400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1262	-24.541205	150.390042	235600	7283350		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1263	-24.541656	150.390032	235600	7283300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1264	-24.542107	150.390023	235600	7283250		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1265	-24.542559	150.390014	235600	7283200		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1266	-24.54301	150.390004	235600	7283150		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1267	-24.543461	150.389995	235600	7283100		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1268	-24.543912	150.389986	235600	7283050		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1269	-24.544363	150.389976	235600	7283000		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1270	-24.544814	150.389967	235600	7282950		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1271	-24.545265	150.389958	235600	7282900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1272	-24.545716	150.389948	235600	7282850		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1273	-24.546167	150.389939	235600	7282800		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1274	-24.546618	150.38993	235600	7282750		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1275	-24.54707	150.38992	235600	7282700		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1276	-24.547521	150.389911	235600	7282650		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1277	-24.547972	150.389902	235600	7282600		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1278	-24.548423	150.389892	235600	7282550		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1279	-24.548874	150.389883	235600	7282500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1280	-24.549325	150.389874	235600	7282450		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1281	-24.549776	150.389864	235600	7282400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1282	-24.550227	150.389855	235600	7282350		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1283	-24.550678	150.389846	235600	7282300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1284	-24.55113	150.389836	235600	7282250		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1285	-24.551581	150.389827	235600	7282200		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1286	-24.552032	150.389818	235600	7282150		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1287	-24.552483	150.389808	235600	7282100		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1288	-24.552934	150.389799	235600	7282050		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1289	-24.553385	150.389789	235600	7282000		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1290	-24.553836	150.38978	235600	7281950		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1291	-24.554287	150.389771	235600	7281900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1292	-24.554738	150.389761	235600	7281850		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1293	-24.55519	150.389752	235600	7281800		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1294	-24.555641	150.389743	235600	7281750		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1295	-24.556092	150.389733	235600	7281700		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1296	-24.556543	150.389724	235600	7281650		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 1297	-24.556994	150.389715	235600	7281600		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1298	-24.557445	150.389705	235600	7281550		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1299	-24.557896	150.389696	235600	7281500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1300	-24.558347	150.389687	235600	7281450		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1301	-24.558798	150.389677	235600	7281400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1302	-24.55925	150.389668	235600	7281350		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1303	-24.559701	150.389659	235600	7281300		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1304	-24.560152	150.389649	235600	7281250		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1305	-24.560603	150.38964	235600	7281200		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1306	-24.561054	150.389631	235600	7281150		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1307	-24.561505	150.389621	235600	7281100		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1308	-24.561956	150.389612	235600	7281050		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1309	-24.562407	150.389603	235600	7281000		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1310	-24.562858	150.389593	235600	7280950		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1311	-24.56331	150.389584	235600	7280900		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1312	-24.563761	150.389575	235600	7280850		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1313	-24.564212	150.389565	235600	7280800		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1314	-24.564663	150.389556	235600	7280750		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1315	-24.565114	150.389546	235600	7280700		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1316	-24.565565	150.389537	235600	7280650		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1317	-24.566016	150.389528	235600	7280600		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1318	-24.566467	150.389518	235600	7280550		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1319	-24.566918	150.389509	235600	7280500		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1320	-24.56737	150.3895	235600	7280450		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43
PCS 1321	-24.567821	150.38949	235600	7280400		Soil sample	Regional	Sep-07	ALS	Au-TL43, ME-ICP43, ME-MS43

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 2000	-24.55403	150.37498	234100.5468	7281900.041	302	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2001	-24.55403	150.37518	234120.8151	7281900.421	301	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2002	-24.55404	150.37538	234141.0999	7281899.701	301	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2003	-24.55405	150.37556	234159.3644	7281898.942	301	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2004	-24.55404	150.37576	234179.6162	7281900.441	300	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2005	-24.55404	150.37595	234198.8703	7281900.801	302	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2006	-24.55405	150.37617	234221.1835	7281900.121	301	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2007	-24.55406	150.3764	234244.511	7281899.452	303	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2008	-24.55406	150.37656	234260.7306	7281899.761	301	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2009	-24.55406	150.37675	234279.9846	7281900.131	300	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2010	-24.55407	150.37695	234300.2694	7281899.412	302	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2011	-24.55407	150.37714	234319.5235	7281899.771	305	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2012	-24.55408	150.37733	234338.8022	7281899.032	304	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2013	-24.55407	150.37755	234361.0743	7281900.561	306	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2014	-24.55408	150.37773	234379.3388	7281899.801	304	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2015	-24.55408	150.37793	234399.6071	7281900.191	303	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2016	-24.55408	150.37813	234419.8754	7281900.581	303	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2017	-24.55409	150.37839	234446.2456	7281899.971	303	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2018	-24.55409	150.37854	234461.4427	7281900.261	302	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2019	-24.55409	150.37873	234480.705	7281900.621	303	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2020	-24.55415	150.37892	234500.0827	7281894.343	304	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2021	-24.55409	150.37912	234520.2273	7281901.381	306	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2022	-24.5541	150.37932	234540.5121	7281900.651	306	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2023	-24.55411	150.37951	234559.7909	7281899.911	307	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2024	-24.55412	150.37971	234580.0757	7281899.192	309	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2025	-24.55411	150.3799	234599.3132	7281900.661	308	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2026	-24.55412	150.38011	234620.6122	7281899.961	308	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2027	-24.55412	150.3803	234639.8663	7281900.331	310	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2028	-24.55412	150.38049	234659.1203	7281900.691	311	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2029	-24.55413	150.3807	234680.4276	7281899.991	309	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2030	-24.55413	150.38089	234699.6816	7281900.361	314	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2031	-24.55414	150.3811	234720.9806	7281899.651	314	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2032	-24.55414	150.38129	234740.2347	7281900.021	316	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2033	-24.55415	150.38148	234759.5135	7281899.282	315	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2034	-24.55414	150.38168	234779.7653	7281900.771	314	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2035	-24.55415	150.38189	234801.0643	7281900.071	312	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2036	-24.55415	150.38208	234820.3183	7281900.431	310	Niton field reading	Cockatoo Ridge	Nov-09		

Sample Number	LAT GDA94	LONG GDA94	GDA94 E	GDA94 N	Altitude	Type	Grid	Date taken	Assay Lab	Assay Method
PCS 2037	-24.55416	150.38227	234839.5971	7281899.691	308	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2038	-24.55416	150.38248	234860.8796	7281900.091	307	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2039	-24.55417	150.38267	234880.1502	7281899.352	306	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2040	-24.55412	150.38286	234899.3053	7281905.26	304	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2041	-24.55416	150.38306	234919.656	7281901.211	303	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2042	-24.55418	150.38326	234939.9655	7281899.382	301	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2043	-24.55418	150.38346	234960.2338	7281899.761	300	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2044	-24.55417	150.38366	234980.4774	7281901.261	301	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2045	-24.55422	150.38386	235000.8528	7281896.102	298	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2046	-24.55419	150.38404	235019.0267	7281899.771	298	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2047	-24.55418	150.38426	235041.307	7281901.301	302	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2048	-24.55418	150.38445	235060.561	7281901.671	300	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2049	-24.5542	150.38465	235080.8705	7281899.841	299	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2050	-24.5542	150.38484	235100.1246	7281900.201	300	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2051	-24.5542	150.38504	235120.3928	7281900.591	296	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2052	-24.55421	150.38523	235139.6634	7281899.841	295	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2053	-24.55421	150.38543	235159.9317	7281900.231	296	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2054	-24.55422	150.38563	235180.2247	7281899.511	295	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2055	-24.55422	150.38583	235200.493	7281899.891	293	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2056	-24.55422	150.38603	235220.7613	7281900.281	291	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2057	-24.55423	150.38622	235240.04	7281899.531	291	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2058	-24.55423	150.38642	235260.3001	7281899.921	289	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2059	-24.55424	150.38661	235279.5789	7281899.172	288	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2060	-24.55424	150.38682	235300.8614	7281899.581	288	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2061	-24.55424	150.38702	235321.1297	7281899.961	287	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2062	-24.55424	150.38723	235342.4122	7281900.371	285	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2063	-24.55425	150.38741	235360.6767	7281899.601	288	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2064	-24.55425	150.3876	235379.9308	7281899.971	288	Niton field reading	Cockatoo Ridge	Nov-09		
PCS 2065	-24.55425	150.3878	235400.1991	7281900.351	295	Niton field reading	Cockatoo Ridge	Nov-09		

APPENDIX II

Cockatoo Ridge soil samples - orientation line, -2mm+20# fraction

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 087	6	90	3.6	70	0.23	5300	7.9	25	24700	0.01	460	1.07	4	9	300	0.37	0.6	0.07	1.02	-0.05	60
PCN 088	3	90	4.9	80	0.27	5900	11.1	34	27100	0.02	623	1.18	5	10	300	0.36	0.8	0.08	1.04	-0.05	63
PCN 089	3	90	3.2	60	0.2	12500	7.9	25	20800	0.02	458	1.31	4	8	200	0.27	0.7	0.06	0.78	-0.05	103
PCN 090	3	90	2.8	50	0.18	5000	6.6	21	20300	0.01	438	0.97	4	8	200	0.37	0.6	0.05	0.7	-0.05	39
PCN 091	3	90	3.8	60	0.23	4700	8.9	26	23200	0.01	435	1.01	4	9	100	0.26	0.9	0.05	0.96	-0.05	158
PCN 092	3	90	220	150	0.72	4700	29.5	71	39200	0.03	704	3.21	11	15	300	0.95	4.5	0.45	0.96	-0.05	58
PCN 093	3	90	31.7	160	1.14	3200	34.1	80	37900	0.02	453	4.32	10	16	500	0.39	4.4	0.7	1.27	-0.05	75
PCN 094	3	90	65.9	70	1.25	700	6.1	37	44000	0.01	153	11.75	2	19	4100	0.81	9.1	1.21	0.52	-0.05	29
PCN 095	3	90	90.6	30	6.71	1300	14.7	42	74800	0.02	347	7.41	4	37	8700	1.47	37.6	1.37	0.27	-0.05	24
PCN 096	3	90	54.9	90	6.34	2200	15.3	50	46200	0.03	767	8.09	5	28	1400	1.17	15.7	0.76	0.39	-0.05	30
PCN 097	3	90	44.2	120	1.94	4400	38.2	83	55300	0.04	1020	13.15	7	24	800	0.51	4.7	0.8	0.77	-0.05	60
PCN 098	3	90	38.9	110	1.72	3000	30.9	64	53700	0.03	734	10.4	5	21	800	0.63	4.7	0.88	0.56	-0.05	65
PCN 099	3	90	47.1	110	2.49	2200	12.7	69	56700	0.02	248	11.9	4	20	800	0.56	8.1	0.95	0.61	-0.05	46
PCN 100	3	90	50	140	2.04	2200	13	64	59700	0.03	336	22.4	4	19	1300	0.74	8.5	1.14	0.56	-0.05	48
PCN 101	3	90	44.7	140	2.13	2800	21.2	69	54900	0.04	389	6.87	5	19	1500	0.46	8.4	0.8	0.59	-0.05	54
PCN 102	3	90	50.9	120	2.57	1500	14.9	47	65400	0.04	307	8.64	5	23	1000	0.9	8.2	1.34	0.38	0.06	26
PCN 103	3	90	63.1	90	6.4	1200	9.2	56	64400	0.03	186	8.3	3	36	3400	0.91	13.6	1.05	0.25	0.07	18
PCN 104	3	90	43.6	120	2.49	700	5.2	61	55400	0.02	105	8.84	3	22	600	0.56	7.7	0.76	0.39	-0.05	23
PCN 105	3	90	68.9	160	4.02	3100	8.9	48	62800	0.02	345	7.87	3	31	1300	0.72	9.9	1.23	0.32	-0.05	25
PCN 106	3	90	44.6	80	5.67	3100	8.8	61	51600	0.03	231	8.03	3	52	4100	0.41	11.3	0.77	0.37	-0.05	27
PCN 107	3	90	40.2	90	10.6	600	1.7	17	34300	0.01	42	5.43	1	48	2500	0.49	7.3	0.67	0.13	-0.05	7
PCN 108	3	90	51.9	130	3.81	500	1.5	88	83000	0.01	50	22	1	125	1700	0.35	23.8	1.01	0.28	-0.05	26
PCN 109	3	90	50.9	100	5.14	700	1.7	57	62700	0.01	49	44.3	1	82	600	0.37	14	0.64	0.36	-0.05	23
PCN 110	3	90	110	60	5.36	800	2.1	65	74000	0.01	64	34.6	1	122	4700	0.29	16.5	0.58	0.19	-0.05	20
PCN 111	3	90	108	60	4.6	800	1.6	36	55200	-0.01	75	17.05	1	80	5200	0.47	30.3	0.23	0.09	-0.05	6
PCN 112	3	90	83.4	30	8.07	2600	7.1	36	85800	0.02	200	4.27	2	83	11400	0.5	25.9	0.52	0.08	-0.05	19
PCN 113	3	90	47.7	140	2.97	5200	18.8	68	61500	0.02	547	9.73	7	35	800	0.65	6	0.6	0.45	-0.05	57
PCN 114	3	90	31	120	1.5	2300	17.3	57	49600	0.05	500	7.84	8	25	400	0.51	3.6	0.46	0.44	-0.05	29
PCN 115	3	90	32.6	160	1.42	3500	29.7	69	58400	0.04	739	5.9	9	26	400	0.49	2.8	0.56	0.65	-0.05	37
PCN 116	3	90	75.7	140	6.92	1600	7.1	81	80000	0.03	127	2.69	2	36	1700	0.34	16.2	0.56	0.22	-0.05	18
PCN 117	3	90	55	110	10.15	800	2.3	34	72400	0.02	83	3.53	1	35	2700	0.56	21.9	0.98	0.11	-0.05	5
PCN 118	3	90	78.5	110	10.25	400	2.1	31	79600	0.01	48	5.32	1	29	3300	0.78	16.7	1.21	0.1	-0.05	5
PCN 119	3	90	60.2	100	9.14	400	1.8	51	90300	0.01	34	5.39	1	37	2700	0.5	17	1.03	0.09	-0.05	19
PCN 120	3	90	79.7	80	7.33	800	3.6	119	145000	0.03	60	3.09	1	24	1200	0.63	18	1.14	0.21	-0.05	37
PCN 121	3	90	73.7	60	13.2	300	2.3	44	79100	0.02	58	4.97	1	30	1400	0.86	13.9	1.3	0.12	-0.05	7
PCN 122	3	90	29.5	120	2.96	2500	34.5	67	50500	0.04	1730	4.81	7	26	700	0.47	2.6	0.69	0.6	-0.05	43
PCN 123	3	90	32.9	100	3.17	2500	27.8	77	55400	0.04	1110	5.45	8	26	500	0.32	3	0.61	0.62	-0.05	39
PCN 124	5	90	27.8	170	2.27	4200	21.8	86	55300	0.04	865	3.7	8	22	500	0.28	3.2	0.53	0.64	-0.05	53
PCN 125	3	90	11.4	110	1.65	15500	32.3	65	57400	0.06	1520	0.9	7	11	200	0.29	1.7	0.18	0.64	-0.05	93
PCN 126	3	90	16.6	120	0.72	8400	49	119	54000	0.06	992	2.36	14	10	500	0.27	10	0.29	0.92	-0.05	96
PCN 127	3	90	18.1	130	1.22	4000	30	91	57700	0.05	646	3.26	9	16	1000	0.46	3.8	0.74	0.97	-0.05	67
PCN 128	3	90	17.8	130	1.32	7900	25.7	104	57900	0.04	580	1.43	9	12	800	0.24	2.7	0.51	1.16	-0.05	56
PCN 129	3	90	37.1	90	3.88	17600	12.4	62	48700	0.08	323	2.82	7	7	1700	0.83	8.9	0.95	0.53	-0.05	87

Cockatoo Ridge soil samples - orientation line, -2mm+20# fraction

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 087	6	90	1.79333	433.287	LOD	6849.12	LOD	9.005	21278.6	LOD	483.92	LOD	LOD	8.19	LOD	44.88	LOD	143.672	LOD	LOD	58.7567
PCN 088	3	90	4.32	448.627	LOD	8666.27	LOD	30.21	25224.2	LOD	685.717	LOD	LOD	10.3133	LOD	17.0733	LOD	134.51	LOD	LOD	68.0633
PCN 089	3	90	3.96667	595.043	LOD	2331.95	LOD	LOD	19297.6	LOD	516.073	LOD	LOD	5.77	LOD	69.9233	LOD	209.583	LOD	LOD	82.6633
PCN 090	3	90	LOD	536.2	LOD	13408.7	LOD	LOD	16744.2	LOD	485.823	LOD	LOD	5.19333	LOD	43.3867	LOD	162.233	LOD	LOD	36.41
PCN 091	3	90	LOD	564.69	LOD	7024.98	LOD	LOD	18547.5	LOD	425.017	LOD	LOD	LOD	LOD	58.0967	LOD	211.067	LOD	LOD	138.02
PCN 092	3	90	229.803	342.53	LOD	1478.89	LOD	78.3733	37867.3	LOD	870.773	3.16333	LOD	21.4567	LOD	11.8867	LOD	49.3733	LOD	LOD	59.1333
PCN 093	3	90	36.5	375.053	LOD	3898.91	LOD	95.2133	35855.7	LOD	776.82	4.04333	LOD	12.6033	LOD	21.6933	LOD	71.88	LOD	LOD	81.6
PCN 094	3	90	62.4467	381.623	LOD	1047.1	LOD	71.1567	44497.7	LOD	372.5	17.2	LOD	27.91	LOD	21.1133	9.71333	LOD	LOD	LOD	133.103
PCN 095	3	90	86.0667	457.967	LOD	2522.05	LOD	63.1133	63870.3	LOD	583.393	4.01667	LOD	43.6033	LOD	41.9767	22.82	88.18	LOD	LOD	22.9833
PCN 096	3	90	54.3533	307.093	21.8967	2743.04	LOD	90.0867	41275.4	LOD	1344.52	LOD	LOD	31.1033	LOD	11.63	12.8667	LOD	LOD	LOD	45.4133
PCN 097	3	90	32.4567	241.12	LOD	2723.58	LOD	85.1933	39411.6	LOD	889.143	8.36667	LOD	24.4533	LOD	LOD	LOD	24.6	LOD	LOD	57.8067
PCN 098	3	90	38.1367	222.837	LOD	5379.14	246.9	88.7167	39627	LOD	1024.18	6.63	LOD	18.0233	LOD	11.6267	LOD	29.7633	LOD	LOD	76.8567
PCN 099	3	90	43.9367	342.683	LOD	2915.6	LOD	80.9333	40455.4	LOD	366.627	5.65667	LOD	16.8367	LOD	LOD	3.88333	LOD	LOD	LOD	45.9167
PCN 100	3	90	52.56	309.997	LOD	2442.02	127.323	96.0333	51517.2	LOD	427.14	4.7	LOD	20.21	LOD	11.04	9.23667	67.94	LOD	LOD	63.44
PCN 101	3	90	43.3833	255.07	LOD	2298.18	LOD	87.9133	47437.6	LOD	516.373	11.66	31.83	17.17	LOD	LOD	9.62333	LOD	LOD	LOD	69.08
PCN 102	3	90	46.83	261.81	LOD	1631.08	LOD	64.6133	48182.5	LOD	550.363	7.62667	LOD	27.1067	LOD	13.4267	2.76	LOD	LOD	LOD	39.1233
PCN 103	3	90	59.6067	258.633	LOD	591.47	157.883	81.1633	60235.9	LOD	158.247	3.45667	LOD	33.7367	LOD	27.4133	12.41	88.88	LOD	LOD	31.2767
PCN 104	3	90	43.5633	357.127	LOD	LOD	LOD	84.9433	48188.7	LOD	143.08	8.73333	LOD	24.1733	LOD	23.1567	3.2	127.1	LOD	LOD	38.7533
PCN 105	3	90	54.9567	338.87	LOD	4296.68	LOD	50.6633	45552.8	LOD	649.35	3.64333	LOD	30.93	LOD	9.15667	6.73333	57.07	LOD	LOD	35.0567
PCN 106	3	90	50.35	376.833	LOD	4013.68	LOD	60.09	45377.1	LOD	270.35	7.48333	LOD	38.6033	LOD	23.25	2.62	122.737	LOD	LOD	28.9333
PCN 107	3	90	71.2833	440.617	LOD	LOD	LOD	21.1633	57229.3	LOD	LOD	7.55667	LOD	86.9133	6398.87	13.0067	12.87	88.7067	LOD	LOD	18.9633
PCN 108	3	90	51.3933	391.05	22.2333	LOD	LOD	56.83	53714.3	LOD	LOD	10.1767	LOD	127.187	LOD	13.35	10.8333	118.673	LOD	LOD	33.82
PCN 109	3	90	53.3867	430.5	19.9667	LOD	151.34	69.5467	51571.3	LOD	59.5467	26.4567	LOD	93.59	LOD	41.2933	6.91667	117.153	LOD	LOD	28.6233
PCN 110	3	90	83.3233	379.973	LOD	5054.37	201.773	47.0433	77226.3	LOD	116.223	27.5667	LOD	134.62	LOD	LOD	3.15	LOD	LOD	LOD	47.5667
PCN 111	3	90	113.773	410.913	LOD	1860.24	185.367	73.9767	95198.1	LOD	75.8367	10.4567	LOD	90.5067	LOD	28.5267	22.8867	84.6433	LOD	LOD	LOD
PCN 112	3	90	78.9067	322.577	LOD	6272.69	LOD	59.2033	69169.4	LOD	193.573	3.38333	LOD	74.5733	8420.51	18.59	15.4767	82.9133	LOD	LOD	39.8733
PCN 113	3	90	56.22	323.48	LOD	9646.51	129.78	97.5167	54164.7	LOD	740.55	7.47667	LOD	33.0333	LOD	11.89	6.65667	73.9467	LOD	LOD	53.7767
PCN 114	3	90	50.9433	298.24	LOD	2754.45	LOD	74.66	52557.8	LOD	669.427	4.47	LOD	29.5233	LOD	29.16	4.08667	87.5933	LOD	LOD	34.7067
PCN 115	3	90	38.33	252.687	LOD	4448.69	LOD	68.6133	49152	LOD	735.347	3.46	LOD	28.1167	LOD	21.4067	LOD	LOD	LOD	LOD	38.8667
PCN 116	3	90	83.8133	369.37	LOD	136.93	291.833	81.55	70274.2	LOD	95.24	3.32	LOD	36.8433	LOD	13.5533	14.8967	114.37	LOD	LOD	26.8667
PCN 117	3	90	61.9133	404.4	LOD	87.07	LOD	40.59	82290.6	LOD	LOD	LOD	LOD	33.99	LOD	32.5967	7.74	135.8	LOD	LOD	LOD
PCN 118	3	90	90.75	339.933	LOD	LOD	LOD	21.2267	80690.2	LOD	73.3433	3.6	LOD	19.6967	LOD	30.8667	11.9333	66.0767	LOD	LOD	9.82333
PCN 119	3	90	72.04	315.547	23.06	LOD	LOD	61.98	64097.3	LOD	LOD	LOD	LOD	36.9767	LOD	14.4767	7.26667	52.8367	LOD	LOD	40.04
PCN 120	3	90	95.32	338.69	32.63	LOD	LOD	65.6233	104226	LOD	LOD	4.84667	LOD	48.1767	LOD	14.4833	15.12	82.2367	LOD	LOD	10.5467
PCN 121	3	90	90.11	295.03	28.67	LOD	LOD	23.6233	81382.6	LOD	LOD	LOD	LOD	46.8367	LOD	12.82	13.7667	100.707	LOD	LOD	17.0233
PCN 122	3	90	36.5833	269.213	LOD	3510.42	LOD	90.5433	45302.2	LOD	1587.27	6.93	LOD	29.55	LOD	20.42	LOD	74.6567	LOD	LOD	54.07
PCN 123	3	90	39.36	406.597	LOD	3986.24	141.567	95.7833	54778.2	LOD	1070.34	3.67667	LOD	30.3733	LOD	34.3567	LOD	155.34	LOD	LOD	47.4533
PCN 124	5	90	34.066	424.166	LOD	3696.84	LOD	98.758	51165.7	LOD	728.096	LOD	LOD	25.924	LOD	23.002	LOD	80.648	LOD	LOD	53.546
PCN 125	3	90	16.52	320.203	LOD	9387.98	LOD	53.51	50047.2	LOD	1248.19	LOD	LOD	16.2033	LOD	15.0533	LOD	74.24	LOD	LOD	96.24
PCN 126	3	90	22.1267	266.98	LOD	5303.47	LOD	128.62	55967.9	LOD	765.237	LOD	LOD	LOD	LOD	LOD	13.9533	57.93	LOD	LOD	101.403
PCN 127	3	90	22.78	351.11	LOD	3968.98	120.83	83.6133	46621.3	LOD	558.463	LOD	LOD	11.9467	LOD	27.94	LOD	65.1333	LOD	LOD	66.7333
PCN 128	3	90	25.7267	308.253	LOD	2697.63	LOD	121.483	52073.4	LOD	664.183	LOD	LOD	LOD	LOD	21.1667	LOD	71.9033	LOD	LOD	57.74
PCN 129	3	90	12.7833	LOD	LOD	28555.4	LOD	60.35	27786.9	LOD	345.937	LOD	LOD	LOD	LOD	LOD	5.68667	LOD	LOD	LOD	109.753

Sample Number	Number of readings	Average Duration	Niton error - average of readings																		
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 087	6	90	9.98	40.5633	39.5567	413.912	202.653	35.2267	477.24	13.5867	110.09	8.27667	73.3417	10.8633	11803.2	17.9367	5.72667	49.5483	17.73	87.41	16.6933
PCN 088	3	90	9.80333	45.71	38.62	460.44	222.437	29.92	520.543	13.8267	125.763	8.35333	75.78	10.1233	11848.1	26.2933	5.76667	55.42	17.89	90.08	17.7
PCN 089	3	90	8.89333	53.2433	36.9933	235.137	189.447	33.69	438.827	12.8367	107.24	7.86	71.36	10.5567	5856.68	23.26	5.58333	63.8467	17.0733	82.98	17.9367
PCN 090	3	90	9.60667	51.2667	36.6833	583.3	173.827	34.0133	412.267	13.3133	105.053	7.90333	71.1733	10.86	13410.7	22.1267	5.2	61.5167	17.7033	88.74	14.1633
PCN 091	3	90	9.97	42.5833	37.9867	411.677	186.587	35.42	442.827	13.7467	103.073	8.18667	73.58	12.4067	9260.26	18.5333	5.65	51.4367	16.54	88.6267	22.6033
PCN 092	3	90	19.6867	42.4333	54.03	197.683	278.127	29.6033	649.867	14.79	144.183	7.64333	80.93	9.91667	6260.62	25.3733	6.49333	70.26	16.64	93.7833	17.4533
PCN 093	3	90	10.3567	45.2767	46.0633	404.927	273.983	31.6033	641.17	14.2067	137.29	8.00333	87.19	11.12	13366.4	23.5133	6.58	65.13	17.4733	91.89	19.5133
PCN 094	3	90	13.21	41.3233	49.9067	216.13	313.683	31.1667	735.467	16.0133	118.99	6.49	88.2367	11.4433	9571.86	21.03	5.48667	74.8567	16.3567	102.863	24.5133
PCN 095	3	90	15.9533	57.5167	60.0333	337.96	389.86	31.76	908.767	16.4467	145.78	8.19667	95.26	13.8067	15122.3	25.18	7.07333	83.7067	17.05	101.46	17.72
PCN 096	3	90	12.65	51.2067	47.9833	284.087	297.897	31.49	694.41	15.0367	174.72	9.02333	86.2433	11.6067	9549.74	30.9567	5.62333	94.61	17.4367	95.78	16.5133
PCN 097	3	90	10.5633	42.0133	46.8067	274.737	288.747	30.64	669.76	14.1833	147.017	7.03	84.3	10.3667	8585.74	28.5	6.68	71.1267	16.66	93.9867	17.4667
PCN 098	3	90	10.65	38.64	45.86	438.697	228.06	31.2667	678.927	15.3067	156.577	7.01	82.19	9.78667	14926.7	22.9233	6.88	63.35	15.8767	94.89	19.4733
PCN 099	3	90	11.2933	55.7033	47.1233	377.783	294.81	30.6933	685.24	14.78	113.59	8.07333	84.62	11.9067	14759.1	36.72	6.57	101.95	16.62	94.49	16.47
PCN 100	3	90	11.8533	52.69	43.7567	330.097	296.09	32.1633	779.09	14.6267	123.47	8.03333	88.0833	10.2433	12032.3	31.6067	5.17667	77.8	15.8067	93.52	18.2667
PCN 101	3	90	11.19	40.14	47.2067	266.157	322.513	32.0233	754.76	15.0833	129.85	6.18333	77.5867	10.0833	9840.74	26.8667	5.27	74.2067	16.7333	94.0767	18.9533
PCN 102	3	90	11.88	44.2	48.5833	293.313	323.473	29.81	751.68	15.3733	130.847	7.08667	89.7067	10.9067	12329.2	26.2167	6.51667	82.2867	15.45	100.147	16.0167
PCN 103	3	90	13.2533	47.4133	54.6033	269.053	324.433	31.3667	848.067	15.5333	127.463	8.00333	88.81	11.8867	13546.1	24.9	5.69333	69.0567	14.74	97.99	15.2533
PCN 104	3	90	11.5767	46.07	47.84	421.797	326.587	31.6667	758.323	15.35	118.55	7.24333	87.6867	10.62	14068.6	24.2267	6.38333	56.93	15.2233	100.07	16.16
PCN 105	3	90	12.6567	46.2433	49.03	378.84	313.58	34.1133	732.307	15.12	136.243	8.06667	84.5933	11.4167	13178.5	27.75	5.96	69.2467	16.3433	93.8567	15.3667
PCN 106	3	90	12.77	42.4867	52.12	428.777	312.15	29.2033	728.76	14.3533	108.153	7.03	84.8133	12.0667	16489.9	21.59	6.49667	52.2467	15.41	97.13	14.7
PCN 107	3	90	16.3833	41.5533	59.73	391.303	349.83	35.9	818.973	15	144.58	7.18333	87.2367	16.2533	13175.2	24.14	5.73	57.8233	16.0033	94.5367	16.2533
PCN 108	3	90	17.17	48.84	48.4833	472.13	338.097	29.0267	792.557	15.18	139.55	7.10667	87.0367	18.7033	17935.7	28.5567	5.48667	59.8233	15.71	97.09	15.2933
PCN 109	3	90	15.8933	44.5733	51.3367	484.21	294.983	30.3	782.19	15.5767	126.42	6.59333	87.3267	16.65	16803.6	19.6367	6.16333	54.0467	17.3667	99.6233	14.99
PCN 110	3	90	19.7233	48.5833	57.9567	493.58	384.53	36.31	1000.06	16.3833	156.403	6.91333	97.0333	19.98	20908.6	31.74	7.46	87.23	19.11	102.6	17.86
PCN 111	3	90	19.2033	49.6333	58.9333	351.973	414.38	32.35	1106.94	17.0267	174.117	7.39333	97.1833	17.0067	15969.6	26.3567	7.23333	73.7533	15.2933	105.59	21.3133
PCN 112	3	90	17.0167	48.6567	56.83	502.937	405.63	31.4533	947.457	15.83	141.883	8.18667	94.77	16.1167	16726.8	27.7167	6.37667	68.4833	16.3067	103.623	16.98
PCN 113	3	90	13.0267	45.6367	49.2733	563.653	305.003	32.8533	809.317	15.1967	146.663	7.14	89.26	11.7633	17010	26.4167	5.94667	63.7633	15.9833	95.1733	17.6533
PCN 114	3	90	12.34	45.3233	46.95	337.947	336.35	30.7033	790.23	15.2433	140.45	8.05333	86.3267	11.1233	12721.6	23.9533	6.19	66.3667	14.92	96.74	15.56
PCN 115	3	90	11.16	43.7467	46.6533	384.3	322.727	29.2	747.02	14.4433	140.413	7.81	84.7833	10.6933	12853.1	23.86	6.65333	81.3267	15.3767	93.04	15.53
PCN 116	3	90	15.36	51.3033	56.32	188.377	321.45	33.1067	954.513	16.2167	157.157	8.10333	93.08	12.7667	7477.89	31.0767	6.23667	63.0067	15.05	103.32	18.5367
PCN 117	3	90	14.08	47.6033	59.64	284.893	446.873	36.5133	1044.59	16.6033	174.633	9.15667	97.72	12.39	11076.4	24.0333	6.59333	58.34	16.3	105.357	19.7833
PCN 118	3	90	15.1067	48.9767	61.1767	355.2	442.94	41.7267	1040.51	16.1033	157.733	8.44	98.5467	11.1733	12738	26.56	7.16667	73.0867	16.4267	103.72	19.0867
PCN 119	3	90	14.49	44.8233	50.66	239.957	382.36	31.0067	898.44	15.71	151.89	9.17333	92.45	12.4767	9841.89	26.91	6.42	74.7467	15.39	100.61	16.6233
PCN 120	3	90	17.12	53.97	58.4567	380.73	507.503	33.4433	1192.41	17.6833	188.35	8.49333	104.903	14.2433	14045.2	32.7367	6.58333	80.63	15.4867	111.633	21.4533
PCN 121	3	90	16.9967	45.63	61.4567	405.79	456.71	42.7633	1073.56	16.9533	187.733	9.68333	103.137	14.3267	16318.8	26.69	6.45	56.82	15.2333	105.63	17.8167
PCN 122	3	90	11.4833	40.7433	47.9	347.577	317.557	32.28	741.067	15.2767	191.517	7.18	85.6733	11.0833	10871.8	21.6033	5.98333	60.3533	16.9767	98.86	17.8333
PCN 123	3	90	11.8967	51.94	50.6133	433.15	313.207	33.2	822.43	16.08	168.947	8.23667	91.1233	11.4367	16960.4	26.56	6.74333	64.0267	18.05	100.223	17.38
PCN 124	5	90	10.854	54.476	42.908	362.158	330.158	31.88	769.252	14.898	142.382	8.792	84.118	10.646	12514.5	29.276	6.82	80.486	17.196	96.986	17.4
PCN 125	3	90	9.08667	49.6333	47.0167	448.573	335.833	35.6	784.02	14.7	176.387	8.72	90.54	9.79	10411.4	29.8667	6.71333	74.4333	17.28	95.1233	21.5367
PCN 126	3	90	9.08667	41.2533	43.9567	354.943	351.727	34.7733	818.253	14.89	147.813	8.82333	87.76	14.1167	11163.8	27.79	5.74	61.2867	16.03	94.7167	21.8067
PCN 127	3	90	9.36333	50.6367	43.5367	360.41	282.567	31.2533	742.727	15.3067	131.82	8.77667	85.52	11.0633	11563.3	25.3867	6.85667	75.7833	17.0067	94.54	18.6767
PCN 128	3	90	9.44	41.3567	46.67	247.873	337.967	34.4867	790.847	15.4367	141.337	8.86667	90.3033	13.8433	6371.39	21.2567	7.2	58.97	16.3467	98.9633	18.1267
PCN 129	3	90	7.09	55.01	40.39	770.097	224.91	26.2967	530.163	13.3733	98.39	7.96	71.7167	11.8267	14647.4	25.09	5.18333	69.5033	17.39	86.62	20.5133

Cockatoo Ridge soil samples - orientation line, -2mm+20# fraction

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 087	6	90	1.80667	-363.287	NA	-1549.12	NA	15.995	3421.41	NA	-23.92	NA	NA	0.81	NA	-44.51	NA	-143.602	NA	NA	1.24333
PCN 088	3	90	0.58	-368.627	NA	-2766.27	NA	3.79	1875.81	NA	-62.7167	NA	NA	-0.31333	NA	-16.7133	NA	-134.43	NA	NA	-5.06333
PCN 089	3	90	-0.76667	-535.043	NA	10168.1	NA	NA	1502.37	NA	-58.0733	NA	NA	2.23	NA	-69.6533	NA	-209.523	NA	NA	20.3367
PCN 090	3	90	NA	-486.2	NA	-8408.73	NA	NA	3555.84	NA	-47.8233	NA	NA	2.80667	NA	-43.0167	NA	-162.183	NA	NA	2.59
PCN 091	3	90	NA	-504.69	NA	-2324.98	NA	NA	4652.51	NA	9.98333	NA	NA	NA	NA	-57.8367	NA	-211.017	NA	NA	19.98
PCN 092	3	90	-9.80333	-192.53	NA	3221.11	NA	-7.37333	1332.65	NA	-166.773	0.04667	NA	-6.45667	NA	-10.9367	NA	-48.9233	NA	NA	-1.13333
PCN 093	3	90	-4.8	-215.053	NA	-698.907	NA	-15.2133	2044.3	NA	-323.82	0.27667	NA	3.39667	NA	-21.3033	NA	-71.18	NA	NA	-6.6
PCN 094	3	90	3.45333	-311.623	NA	-347.1	NA	-34.1567	-497.747	NA	-219.5	-5.45	NA	-8.91	NA	-20.3033	-0.61333	NA	NA	NA	-104.103
PCN 095	3	90	4.53333	-427.967	NA	-1222.05	NA	-21.1133	10929.7	NA	-236.393	3.39333	NA	-6.60333	NA	-40.5067	14.78	-86.81	NA	NA	1.01667
PCN 096	3	90	0.54667	-217.093	-15.5567	-543.043	NA	-40.0867	4924.63	NA	-577.517	NA	NA	-3.10333	NA	-10.46	2.83333	NA	NA	NA	-15.4133
PCN 097	3	90	11.7433	-121.12	NA	1676.42	NA	-2.19333	15888.4	NA	130.857	4.78333	NA	-0.45333	NA	NA	NA	-23.8	NA	NA	2.19333
PCN 098	3	90	0.76333	-112.837	NA	-2379.14	-216	-24.7167	14073	NA	-290.183	3.77	NA	2.97667	NA	-10.9967	NA	-28.8833	NA	NA	-11.8567
PCN 099	3	90	3.16333	-232.683	NA	-715.6	NA	-11.9333	16244.6	NA	-118.627	6.24333	NA	3.16333	NA	NA	4.21667	NA	NA	NA	0.08333
PCN 100	3	90	-2.56	-169.997	NA	-242.02	-114.323	-32.0333	8182.84	NA	-91.14	17.7	NA	-1.21	NA	-10.3	-0.73667	-66.8	NA	NA	-15.44
PCN 101	3	90	1.31667	-115.07	NA	501.82	NA	-18.9133	7462.36	NA	-127.373	-4.79	-26.83	1.83	NA	NA	-1.22333	NA	NA	NA	-15.08
PCN 102	3	90	4.07	-141.81	NA	-131.077	NA	-17.6133	17217.5	NA	-243.363	1.01333	NA	-4.10667	NA	-12.5267	5.44	NA	NA	NA	-13.1233
PCN 103	3	90	3.49333	-168.633	NA	608.53	-148.683	-25.1633	4164.12	NA	27.7533	4.84333	NA	2.26333	NA	-26.5033	1.19	-87.83	NA	NA	-13.2767
PCN 104	3	90	0.03667	-237.127	NA	NA	NA	-23.9433	7211.28	NA	-38.08	0.10667	NA	-2.17333	NA	-22.5967	4.5	-126.34	NA	NA	-15.7533
PCN 105	3	90	13.9433	-178.87	NA	-1196.68	NA	-2.66333	17247.2	NA	-304.35	4.22667	NA	0.07	NA	-8.43667	3.16667	-55.84	NA	NA	-10.0567
PCN 106	3	90	-5.75	-296.833	NA	-913.677	NA	0.91	6222.87	NA	-39.35	0.54667	NA	13.3967	NA	-22.84	8.68	-121.967	NA	NA	-1.93333
PCN 107	3	90	-31.0833	-350.617	NA	NA	NA	-4.16333	-22929.3	NA	NA	-2.12667	NA	-38.9133	-3898.87	-12.5167	-5.57	-88.0367	NA	NA	-11.9633
PCN 108	3	90	0.50667	-261.05	-18.4233	NA	NA	31.17	29285.7	NA	NA	11.8233	NA	-2.18667	NA	-13	12.9667	-117.663	NA	NA	-7.82
PCN 109	3	90	-2.48667	-330.5	-14.8267	NA	-149.64	-12.5467	11128.8	NA	-10.5467	17.8433	NA	-11.59	NA	-40.9233	7.08333	-116.513	NA	NA	-5.62333
PCN 110	3	90	26.6767	-319.973	NA	-4254.37	-199.673	17.9567	-3226.3	NA	-52.2233	7.03333	NA	-12.62	NA	NA	13.35	NA	NA	NA	-27.5667
PCN 111	3	90	-5.77333	-350.913	NA	-1060.24	-183.767	-37.9767	-39998.1	NA	-0.83667	6.59333	NA	-10.5067	NA	-28.0567	7.41333	-84.4133	NA	NA	NA
PCN 112	3	90	4.49333	-292.577	NA	-3672.69	NA	-23.2033	16630.6	NA	6.42667	0.88667	NA	8.42667	2979.49	-18.09	10.4233	-82.3933	NA	NA	-20.8733
PCN 113	3	90	-8.52	-183.48	NA	-4446.51	-110.98	-29.5167	7335.3	NA	-193.55	2.25333	NA	1.96667	NA	-11.24	-0.65667	-73.3467	NA	NA	3.22333
PCN 114	3	90	-19.9433	-178.24	NA	-454.453	NA	-17.66	-2957.81	NA	-169.427	3.37	NA	-4.52333	NA	-28.65	-0.48667	-87.1333	NA	NA	-5.70667
PCN 115	3	90	-5.73	-92.6867	NA	-948.69	NA	0.38667	9248.01	NA	3.65333	2.44	NA	-2.11667	NA	-20.9167	NA	NA	NA	NA	-1.86667
PCN 116	3	90	-8.11333	-229.37	NA	1463.07	-284.733	-0.55	9725.8	NA	31.76	-0.63	NA	-0.84333	NA	-13.2133	1.30333	-113.81	NA	NA	-8.86667
PCN 117	3	90	-6.91333	-294.4	NA	712.93	NA	-6.59	-9890.55	NA	NA	NA	NA	1.01	NA	-32.0367	14.16	-134.82	NA	NA	NA
PCN 118	3	90	-12.25	-229.933	NA	NA	NA	9.77333	-1090.21	NA	-25.3433	1.72	NA	9.30333	NA	-30.0867	4.76667	-64.8667	NA	NA	-4.82333
PCN 119	3	90	-11.84	-215.547	-13.92	NA	NA	-10.98	26202.7	NA	NA	NA	NA	0.02333	NA	-13.9767	9.73333	-51.8067	NA	NA	-21.04
PCN 120	3	90	-15.62	-258.69	-25.3	NA	NA	53.3767	40773.9	NA	NA	-1.75667	NA	-24.1767	NA	-13.8533	2.88	-81.0967	NA	NA	26.4533
PCN 121	3	90	-16.41	-235.03	-15.47	NA	NA	20.3767	-2282.62	NA	NA	NA	NA	-16.8367	NA	-11.96	0.13333	-99.4067	NA	NA	-10.0233
PCN 122	3	90	-7.08333	-149.213	NA	-1010.42	NA	-23.5433	5197.82	NA	142.73	-2.12	NA	-3.55	NA	-19.95	NA	-73.9667	NA	NA	-11.07
PCN 123	3	90	-6.46	-306.597	NA	-1486.24	-113.767	-18.7833	621.79	NA	39.6567	1.77333	NA	-4.37333	NA	-34.0367	NA	-154.73	NA	NA	-8.45333
PCN 124	5	90	-6.266	-254.166	NA	503.16	NA	-12.758	4134.33	NA	136.904	NA	NA	-3.924	NA	-22.722	NA	-80.118	NA	NA	-0.546
PCN 125	3	90	-5.12	-210.203	NA	6112.02	NA	11.49	7352.78	NA	271.81	NA	NA	-5.20333	NA	-14.7633	NA	-74.06	NA	NA	-3.24
PCN 126	3	90	-5.52667	-146.98	NA	3096.53	NA	-9.62	-1967.85	NA	226.763	NA	NA	NA	NA	NA	-3.95333	-57.64	NA	NA	-5.40333
PCN 127	3	90	-4.68	-221.11	NA	31.0233	-90.83	7.38667	11078.7	NA	87.5367	NA	NA	4.05333	NA	-27.48	NA	-64.3933	NA	NA	0.26667
PCN 128	3	90	-7.92667	-178.253	NA	5202.37	NA	-17.4833	5826.57	NA	-84.1833	NA	NA	NA	NA	-20.9267	NA	-71.3933	NA	NA	-1.74
PCN 129	3	90	24.3167	NA	NA	-10955.4	NA	1.65	20913.1	NA	-22.9367	NA	NA	NA	NA	NA	3.21333	NA	NA	NA	-22.7533

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 087	6	90	50	-519	NA	-29	NA	64	14	NA	-5	NA	NA	9	NA	-12030	NA	-205145	NA	NA	2
PCN 088	3	90	12	-461	NA	-47	NA	11	7	NA	-10	NA	NA	-3	NA	-4643	NA	-168038	NA	NA	-8
PCN 089	3	90	-24	-892	NA	81	NA	NA	7	NA	-13	NA	NA	28	NA	-25798	NA	-349206	NA	NA	20
PCN 090	3	90	NA	-972	NA	-168	NA	NA	18	NA	-11	NA	NA	35	NA	-11626	NA	-324367	NA	NA	7
PCN 091	3	90	NA	-841	NA	-49	NA	NA	20	NA	2	NA	NA	NA	NA	-22245	NA	-422033	NA	NA	13
PCN 092	3	90	-4	-128	NA	69	NA	-10	3	NA	-24	1	NA	-43	NA	-1151	NA	-10872	NA	NA	-2
PCN 093	3	90	-15	-134	NA	-22	NA	-19	5	NA	-71	6	NA	21	NA	-5462	NA	-10169	NA	NA	-9
PCN 094	3	90	5	-445	NA	-50	NA	-92	-1	NA	-143	-46	NA	-47	NA	-2507	-7	NA	NA	NA	-359
PCN 095	3	90	5	-1427	NA	-94	NA	-50	15	NA	-68	46	NA	-18	NA	-2756	39	-6336	NA	NA	4
PCN 096	3	90	1	-241	-245	-25	NA	-80	11	NA	-75	NA	NA	-11	NA	-894	18	NA	NA	NA	-51
PCN 097	3	90	27	-101	NA	38	NA	-3	29	NA	13	36	NA	-2	NA	NA	NA	-2975	NA	NA	4
PCN 098	3	90	2	-103	NA	-79	-699	-39	26	NA	-40	36	NA	14	NA	-1746	NA	-3282	NA	NA	-18
PCN 099	3	90	7	-212	NA	-33	NA	-17	29	NA	-48	52	NA	16	NA	NA	52	NA	NA	NA	0
PCN 100	3	90	-5	-121	NA	-11	-879	-50	14	NA	-27	79	NA	-6	NA	-1392	-9	-5860	NA	NA	-32
PCN 101	3	90	3	-82	NA	18	NA	-27	14	NA	-33	-70	-537	10	NA	NA	-15	NA	NA	NA	-28
PCN 102	3	90	8	-118	NA	-9	NA	-37	26	NA	-79	12	NA	-18	NA	-1392	66	NA	NA	NA	-50
PCN 103	3	90	6	-187	NA	51	-1616	-45	6	NA	15	58	NA	6	NA	-2912	9	-8365	NA	NA	-74
PCN 104	3	90	0	-198	NA	NA	NA	-39	13	NA	-36	1	NA	-10	NA	-4035	58	-16624	NA	NA	-68
PCN 105	3	90	20	-112	NA	-39	NA	-6	27	NA	-88	54	NA	0	NA	-1172	32	-4540	NA	NA	-40
PCN 106	3	90	-13	-371	NA	-29	NA	1	12	NA	-17	7	NA	26	NA	-5571	77	-15840	NA	NA	-7
PCN 107	3	90	-77	-390	NA	NA	NA	-24	-67	NA	NA	-39	NA	-81	-156	-2554	-76	-13140	NA	NA	-171
PCN 108	3	90	1	-201	-484	NA	NA	35	35	NA	NA	54	NA	-2	NA	-3714	54	-11650	NA	NA	-30
PCN 109	3	90	-5	-331	-288	NA	-8802	-22	18	NA	-22	40	NA	-14	NA	-11060	51	-18205	NA	NA	-24
PCN 110	3	90	24	-533	NA	-532	-9508	28	-4	NA	-82	20	NA	-10	NA	NA	81	NA	NA	NA	-138
PCN 111	3	90	-5	-585	NA	-133	-11485	-105	-72	NA	-1	39	NA	-13	NA	-5970	24	-36701	NA	NA	NA
PCN 112	3	90	5	-975	NA	-141	NA	-64	19	NA	3	21	NA	10	26	-3618	40	-15845	NA	NA	-110
PCN 113	3	90	-18	-131	NA	-86	-590	-43	12	NA	-35	23	NA	6	NA	-1729	-11	-12224	NA	NA	6
PCN 114	3	90	-64	-149	NA	-20	NA	-31	-6	NA	-34	43	NA	-18	NA	-5618	-14	-18942	NA	NA	-20
PCN 115	3	90	-18	-58	NA	-27	NA	1	16	NA	0	41	NA	-8	NA	-4269	NA	NA	NA	NA	-5
PCN 116	3	90	-11	-164	NA	91	-4010	-1	12	NA	25	-23	NA	-2	NA	-3886	8	-20323	NA	NA	-49
PCN 117	3	90	-13	-268	NA	89	NA	-19	-14	NA	NA	NA	NA	3	NA	-5721	65	-13757	NA	NA	NA
PCN 118	3	90	-16	-209	NA	NA	NA	32	-1	NA	-53	32	NA	32	NA	-3857	29	-5361	NA	NA	-96
PCN 119	3	90	-20	-216	-152	NA	NA	-22	29	NA	NA	NA	NA	0	NA	-2795	57	-5030	NA	NA	-111
PCN 120	3	90	-20	-323	-345	NA	NA	45	28	NA	NA	-57	NA	-101	NA	-2199	16	-7114	NA	NA	71
PCN 121	3	90	-22	-392	-117	NA	NA	46	-3	NA	NA	NA	NA	-56	NA	-1391	1	-7647	NA	NA	-143
PCN 122	3	90	-24	-124	NA	-40	NA	-35	10	NA	8	-44	NA	-14	NA	-4245	NA	-10720	NA	NA	-26
PCN 123	3	90	-20	-307	NA	-59	-409	-24	1	NA	4	33	NA	-17	NA	-10636	NA	-25366	NA	NA	-22
PCN 124	5	90	-23	-150	NA	12	NA	-15	7	NA	16	NA	NA	-18	NA	-8115	NA	-15117	NA	NA	-1
PCN 125	3	90	-45	-191	NA	39	NA	18	13	NA	18	NA	NA	-47	NA	-5091	NA	-41144	NA	NA	-3
PCN 126	3	90	-33	-122	NA	37	NA	-8	-4	NA	23	NA	NA	NA	NA	NA	-40	-19876	NA	NA	-6
PCN 127	3	90	-26	-170	NA	1	-303	8	19	NA	14	NA	NA	25	NA	-5974	NA	-8702	NA	NA	0
PCN 128	3	90	-45	-137	NA	66	NA	-17	10	NA	-15	NA	NA	NA	NA	-8719	NA	-13999	NA	NA	-3
PCN 129	3	90	66	NA	NA	-62	NA	3	43	NA	-7	NA	NA	NA	NA	NA	36	NA	NA	NA	-26

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 087	6	90	10.76	517.42	0	10418.6	0	54.03	25841.5	0	545.76	0	0	17.01	0	56.64	0	160.45	0	0	73.72
PCN 088	3	90	12.96	482.36	0	13231.3	0	46.92	29389.5	0	730.56	0	0	17.68	0	51.22	0	146.61	0	0	73.33
PCN 089	3	90	11.9	667.92	0	2539.47	0	0	21582.8	0	551.46	0	0	17.31	0	96.95	0	257.25	0	0	98.06
PCN 090	3	90	0	585.47	0	14173.1	0	0	17047.5	0	539.78	0	0	15.58	0	48.6	0	178.25	0	0	48.42
PCN 091	3	90	0	625.68	0	9484.76	0	0	19592.6	0	492.9	0	0	0	0	64.66	0	229.13	0	0	182.58
PCN 092	3	90	251.17	380.27	0	1635.9	0	101.98	42498.2	0	977.34	9.49	0	25.22	0	35.66	0	148.12	0	0	63.41
PCN 093	3	90	47.04	433.91	0	4341.26	0	97.64	36414.5	0	1365.7	12.13	0	22.09	0	35.93	0	121.36	0	0	88.77
PCN 094	3	90	68.36	395.11	0	2174.98	0	81.76	54918.8	0	461.84	23.35	0	30.79	0	32.07	11.66	0	0	0	171.03
PCN 095	3	90	93.69	531.96	0	3508.12	0	67.82	76895.2	0	637.49	12.05	0	47.01	0	54.1	24.84	150.16	0	0	40.43
PCN 096	3	90	57.2	311.31	65.69	5810.71	0	114.27	44723.3	0	1472.03	0	0	39.89	0	34.89	13.32	0	0	0	57.78
PCN 097	3	90	36.18	259.96	0	5298.26	0	98.31	47978.1	0	918.64	14.59	0	27.61	0	0	0	73.8	0	0	67.09
PCN 098	3	90	39.16	245.98	0	6047.59	385.28	100.21	48302.8	0	1363.05	10.03	0	19.63	0	34.88	0	89.29	0	0	90.66
PCN 099	3	90	45.34	474.44	0	3743.31	0	93.39	43289.5	0	417.79	16.97	0	32.79	0	0	11.65	0	0	0	52.74
PCN 100	3	90	54.83	327.41	0	3578.26	381.97	104.8	55417.9	0	526.35	14.1	0	24.46	0	33.12	11.8	104.72	0	0	69.98
PCN 101	3	90	52.51	284.18	0	4707.49	0	92.09	50438	0	574.97	13.61	95.49	18.16	0	0	11.35	0	0	0	77.04
PCN 102	3	90	49.57	299.27	0	2693.46	0	78.26	52773.6	0	592.66	12.12	0	31.06	0	40.28	8.28	0	0	0	42.05
PCN 103	3	90	65.66	353.54	0	1036.61	473.65	88.81	73145.8	0	249.96	10.37	0	37.5	0	45.2	13.5	153.05	0	0	35.65
PCN 104	3	90	47.73	403.16	0	0	0	95.45	53867.5	0	221.56	14.12	0	28.29	0	41.66	9.6	166.87	0	0	41.28
PCN 105	3	90	60.75	353.35	0	5855.05	0	79.41	47545.1	0	674.01	10.93	0	35.48	0	27.47	10.3	100.73	0	0	37.48
PCN 106	3	90	51.64	439.83	0	5064.14	0	77.83	47421.2	0	328.65	11.55	0	39.84	0	35.06	7.86	158.03	0	0	35.6
PCN 107	3	90	87.42	459.53	0	0	0	63.49	64704.9	0	0	12.44	0	91.52	19196.6	39.02	19.4	138.63	0	0	32.37
PCN 108	3	90	63.35	399.21	66.7	0	0	64.03	61441.2	0	0	18.02	0	138.02	0	40.05	14.07	154.62	0	0	39.29
PCN 109	3	90	55.71	475.8	59.9	0	454.02	85.41	59721.4	0	178.64	36.82	0	108.22	0	50.75	10.87	119.27	0	0	33.33
PCN 110	3	90	95.91	402.68	0	7419.58	605.32	75.31	100795	0	348.67	31.98	0	199.67	0	0	9.45	0	0	0	50.71
PCN 111	3	90	125.73	464.59	0	2774.05	556.1	81.44	112657	0	227.51	15.8	0	169.78	0	57.67	31.77	176.8	0	0	0
PCN 112	3	90	84.94	358.63	0	7686.2	0	76.69	72579.9	0	364.75	10.15	0	80.48	25261.5	55.77	16.92	144.33	0	0	46.22
PCN 113	3	90	66.67	369.32	0	10520.7	389.34	121.44	61468.6	0	1092.71	11.72	0	36.21	0	35.67	11.09	130.76	0	0	61.54
PCN 114	3	90	55.35	367.78	0	4436.71	0	98.36	60919	0	772.06	13.41	0	34.91	0	51.32	12.26	161.08	0	0	36.95
PCN 115	3	90	46.19	278.12	0	6437.31	0	87.9	51812	0	812.16	10.38	0	31.01	0	37.88	0	0	0	0	40.87
PCN 116	3	90	96.46	394.83	0	410.79	456.41	89.92	73326.7	0	285.72	9.96	0	46.91	0	40.66	18.75	132.98	0	0	54.5
PCN 117	3	90	77	437.43	0	261.21	0	73.04	97045.2	0	0	0	0	50.78	0	63.03	14.15	153.83	0	0	0
PCN 118	3	90	123.57	375.34	0	0	0	63.68	89870	0	220.03	10.8	0	21.86	0	51.72	19.32	116.49	0	0	29.47
PCN 119	3	90	80.61	380.25	69.18	0	0	72.06	67939.1	0	0	0	0	42.98	0	43.43	11.41	158.51	0	0	46.17
PCN 120	3	90	108.09	383.47	97.89	0	0	82.93	151211	0	0	14.54	0	68.22	0	43.45	17.54	125.54	0	0	31.64
PCN 121	3	90	105.67	315.68	86.01	0	0	70.87	90283.6	0	0	0	0	67.79	0	38.46	16.57	106.46	0	0	26.25
PCN 122	3	90	40.57	346.07	0	6266.44	0	96.02	49177	0	1755.91	10.58	0	41.3	0	32.33	0	126.27	0	0	58.18
PCN 123	3	90	46.65	434.4	0	5717.03	424.7	111.27	59032.5	0	1206.13	11.03	0	35.37	0	55.93	0	187.79	0	0	55.58
PCN 124	5	90	48.67	477.95	0	5577.99	0	108.9	57762	0	816.41	0	0	29.95	0	44.9	0	143.47	0	0	68.24
PCN 125	3	90	19.15	364.53	0	19886.7	0	80.81	50454.7	0	1385.26	0	0	17.38	0	45.16	0	116.84	0	0	98.6
PCN 126	3	90	28.4	268.17	0	11541.4	0	151.72	62024	0	1008.44	0	0	0	0	0	15.51	94.09	0	0	115.89
PCN 127	3	90	26.21	394.06	0	5735.53	362.49	99.45	47303	0	658.55	0	0	20.57	0	44.7	0	108.89	0	0	68.96
PCN 128	3	90	29.21	367.94	0	2957.91	0	133.54	52250.2	0	710.5	0	0	0	0	36.33	0	124.74	0	0	77.63
PCN 129	3	90	14.89	0	0	40646.1	0	78.61	30009.6	0	368.32	0	0	0	0	0	9.1	0	0	0	113.11

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 087	3	90	3.6	70	0.23	5300	7.9	25	24700	0.01	460	1.07	4	9	300	0.37	0.6	0.07	1.02	-0.05	60
PCN 088	3	90	4.9	80	0.27	5900	11.1	34	27100	0.02	623	1.18	5	10	300	0.36	0.8	0.08	1.04	-0.05	63
PCN 089	3	90	3.2	60	0.2	12500	7.9	25	20800	0.02	458	1.31	4	8	200	0.27	0.7	0.06	0.78	-0.05	103
PCN 090	3	90	2.8	50	0.18	5000	6.6	21	20300	0.01	438	0.97	4	8	200	0.37	0.6	0.05	0.7	-0.05	39
PCN 091	3	90	3.8	60	0.23	4700	8.9	26	23200	0.01	435	1.01	4	9	100	0.26	0.9	0.05	0.96	-0.05	158
PCN 092	3	90	220	150	0.72	4700	29.5	71	39200	0.03	704	3.21	11	15	300	0.95	4.5	0.45	0.96	-0.05	58
PCN 093	3	90	31.7	160	1.14	3200	34.1	80	37900	0.02	453	4.32	10	16	500	0.39	4.4	0.7	1.27	-0.05	75
PCN 094	3	90	65.9	70	1.25	700	6.1	37	44000	0.01	153	11.75	2	19	4100	0.81	9.1	1.21	0.52	-0.05	29
PCN 095	3	90	90.6	30	6.71	1300	14.7	42	74800	0.02	347	7.41	4	37	8700	1.47	37.6	1.37	0.27	-0.05	24
PCN 096	3	90	54.9	90	6.34	2200	15.3	50	46200	0.03	767	8.09	5	28	1400	1.17	15.7	0.76	0.39	-0.05	30
PCN 097	3	90	44.2	120	1.94	4400	38.2	83	55300	0.04	1020	13.15	7	24	800	0.51	4.7	0.8	0.77	-0.05	60
PCN 098	3	90	38.9	110	1.72	3000	30.9	64	53700	0.03	734	10.4	5	21	800	0.63	4.7	0.88	0.56	-0.05	65
PCN 099	3	90	47.1	110	2.49	2200	12.7	69	56700	0.02	248	11.9	4	20	800	0.56	8.1	0.95	0.61	-0.05	46
PCN 100	3	90	50	140	2.04	2200	13	64	59700	0.03	336	22.4	4	19	1300	0.74	8.5	1.14	0.56	-0.05	48
PCN 101	3	90	44.7	140	2.13	2800	21.2	69	54900	0.04	389	6.87	5	19	1500	0.46	8.4	0.8	0.59	-0.05	54
PCN 102	3	90	50.9	120	2.57	1500	14.9	47	65400	0.04	307	8.64	5	23	1000	0.9	8.2	1.34	0.38	0.06	26
PCN 103	3	90	63.1	90	6.4	1200	9.2	56	64400	0.03	186	8.3	3	36	3400	0.91	13.6	1.05	0.25	0.07	18
PCN 104	3	90	43.6	120	2.49	700	5.2	61	55400	0.02	105	8.84	3	22	600	0.56	7.7	0.76	0.39	-0.05	23
PCN 105	3	90	68.9	160	4.02	3100	8.9	48	62800	0.02	345	7.87	3	31	1300	0.72	9.9	1.23	0.32	-0.05	25
PCN 106	3	90	44.6	80	5.67	3100	8.8	61	51600	0.03	231	8.03	3	52	4100	0.41	11.3	0.77	0.37	-0.05	27
PCN 107	3	90	40.2	90	10.6	600	1.7	17	34300	0.01	42	5.43	1	48	2500	0.49	7.3	0.67	0.13	-0.05	7
PCN 108	3	90	51.9	130	3.81	500	1.5	88	83000	0.01	50	22	1	125	1700	0.35	23.8	1.01	0.28	-0.05	26
PCN 109	3	90	50.9	100	5.14	700	1.7	57	62700	0.01	49	44.3	1	82	600	0.37	14	0.64	0.36	-0.05	23
PCN 110	3	90	110	60	5.36	800	2.1	65	74000	0.01	64	34.6	1	122	4700	0.29	16.5	0.58	0.19	-0.05	20
PCN 111	3	90	108	60	4.6	800	1.6	36	55200	-0.01	75	17.05	1	80	5200	0.47	30.3	0.23	0.09	-0.05	6
PCN 112	3	90	83.4	30	8.07	2600	7.1	36	85800	0.02	200	4.27	2	83	11400	0.5	25.9	0.52	0.08	-0.05	19
PCN 113	3	90	47.7	140	2.97	5200	18.8	68	61500	0.02	547	9.73	7	35	800	0.65	6	0.6	0.45	-0.05	57
PCN 114	3	90	31	120	1.5	2300	17.3	57	49600	0.05	500	7.84	8	25	400	0.51	3.6	0.46	0.44	-0.05	29
PCN 115	3	90	32.6	160	1.42	3500	29.7	69	58400	0.04	739	5.9	9	26	400	0.49	2.8	0.56	0.65	-0.05	37
PCN 116	3	90	75.7	140	6.92	1600	7.1	81	80000	0.03	127	2.69	2	36	1700	0.34	16.2	0.56	0.22	-0.05	18
PCN 117	3	90	55	110	10.15	800	2.3	34	72400	0.02	83	3.53	1	35	2700	0.56	21.9	0.98	0.11	-0.05	5
PCN 118	3	90	78.5	110	10.25	400	2.1	31	79600	0.01	48	5.32	1	29	3300	0.78	16.7	1.21	0.1	-0.05	5
PCN 119	3	90	60.2	100	9.14	400	1.8	51	90300	0.01	34	5.39	1	37	2700	0.5	17	1.03	0.09	-0.05	19
PCN 120	3	90	79.7	80	7.33	800	3.6	119	145000	0.03	60	3.09	1	24	1200	0.63	18	1.14	0.21	-0.05	37
PCN 121	5	90	73.7	60	13.2	300	2.3	44	79100	0.02	58	4.97	1	30	1400	0.86	13.9	1.3	0.12	-0.05	7
PCN 122	3	90	29.5	120	2.96	2500	34.5	67	50500	0.04	1730	4.81	7	26	700	0.47	2.6	0.69	0.6	-0.05	43
PCN 123	3	90	32.9	100	3.17	2500	27.8	77	55400	0.04	1110	5.45	8	26	500	0.32	3	0.61	0.62	-0.05	39
PCN 124	3	90	27.8	170	2.27	4200	21.8	86	55300	0.04	865	3.7	8	22	500	0.28	3.2	0.53	0.64	-0.05	53
PCN 125	3	90	11.4	110	1.65	15500	32.3	65	57400	0.06	1520	0.9	7	11	200	0.29	1.7	0.18	0.64	-0.05	93
PCN 126	3	90	16.6	120	0.72	8400	49	119	54000	0.06	992	2.36	14	10	500	0.27	10	0.29	0.92	-0.05	96
PCN 127	3	90	18.1	130	1.22	4000	30	91	57700	0.05	646	3.26	9	16	1000	0.46	3.8	0.74	0.97	-0.05	67
PCN 128	3	90	17.8	130	1.32	7900	25.7	104	57900	0.04	580	1.43	9	12	800	0.24	2.7	0.51	1.16	-0.05	56
PCN 129	3	90	37.1	90	3.88	17600	12.4	62	48700	0.08	323	2.82	7	7	1700	0.83	8.9	0.95	0.53	-0.05	87

Cockatoo Ridge soil samples - orientation line, -20+80# fraction

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 087	3	90	LOD	421.147	LOD	10623.4	LOD	13.3567	22564.8	LOD	479.677	LOD	LOD	6.65	LOD	24.9867	LOD	70.5833	LOD	LOD	108.653
PCN 088	3	90	LOD	351.15	LOD	9515.06	LOD	19.18	24328.9	LOD	603.423	LOD	LOD	4.64667	LOD	9.4	LOD	LOD	LOD	LOD	79.0933
PCN 089	3	90	LOD	409.44	LOD	3343.74	LOD	LOD	22209.9	LOD	666.74	LOD	LOD	10.4533	LOD	20.29	LOD	115.067	LOD	LOD	172.773
PCN 090	3	90	LOD	371.037	LOD	12014.4	LOD	14.49	20817.8	LOD	657.313	LOD	LOD	LOD	LOD	12.8767	LOD	58.0833	LOD	LOD	63.15
PCN 091	3	90	LOD	535.127	LOD	5654.89	LOD	16.7933	22286.7	LOD	464.457	LOD	28.84	6.05	LOD	46.3833	LOD	179.707	LOD	LOD	249.493
PCN 092	3	90	204.177	239.7	LOD	3026.21	LOD	90.3567	32737.9	LOD	659.057	LOD	LOD	13.1033	LOD	LOD	3.05333	LOD	LOD	LOD	60.0367
PCN 093	3	90	31.6133	345.097	LOD	5120.02	LOD	89.2833	30566.9	LOD	596.17	LOD	LOD	13.5767	LOD	8.63333	LOD	23.1933	LOD	LOD	76.9767
PCN 094	3	90	59.9467	356.033	LOD	2042.6	LOD	51.7533	35751.6	LOD	397.86	12.2033	LOD	19.7267	LOD	10.17	4.18	67.9733	LOD	LOD	160.907
PCN 095	3	90	65.23	347.433	27.86	1831.84	LOD	78.83	56322.6	LOD	677.14	8.24667	LOD	43.9933	7220.5	16.3767	17.4267	95.0867	LOD	LOD	39.6167
PCN 096	3	90	48.8167	273.54	LOD	1307.2	LOD	74.2033	35510.1	LOD	1289.07	LOD	LOD	29.6867	LOD	LOD	8.24667	52.66	LOD	LOD	43.7
PCN 097	3	90	44.66	196.907	LOD	5090.02	LOD	88.8367	35338.6	LOD	1128.23	9.30667	LOD	17.7167	LOD	LOD	LOD	27.8833	LOD	LOD	70.1833
PCN 098	3	90	35.0667	197.833	LOD	2776.39	LOD	84.6067	33019.1	LOD	806.427	13.1733	LOD	13.76	LOD	LOD	LOD	LOD	LOD	LOD	61.29
PCN 099	3	90	45	229.763	LOD	1375.07	LOD	81.91	34794.4	LOD	340.183	8.6	LOD	19.3967	LOD	11.5933	LOD	31.1933	LOD	LOD	48.1667
PCN 100	3	90	41.8633	216.147	LOD	4035.07	100.987	73.83	43441.3	LOD	446.607	9.1	LOD	12.0533	LOD	LOD	5.56667	LOD	LOD	LOD	56.6933
PCN 101	3	90	44.8233	240.333	LOD	2690.94	LOD	104.807	43965.3	LOD	504.92	3.90667	LOD	19.6433	LOD	LOD	2.50333	LOD	LOD	LOD	58.6567
PCN 102	3	90	47.42	268.887	LOD	1806.17	LOD	84.68	42521.3	LOD	461.67	3.4	LOD	18.9067	LOD	11.8733	LOD	35.69	LOD	LOD	42.09
PCN 103	3	90	58.3	225.47	LOD	1062.91	LOD	88.2433	48688.4	LOD	391.54	8.08	LOD	28.5433	LOD	LOD	10.8233	LOD	LOD	LOD	18.2467
PCN 104	3	90	41.1667	262.48	LOD	LOD	LOD	110.157	46650.4	LOD	LOD	3.11333	LOD	27.1033	LOD	LOD	2.97333	39.6567	LOD	LOD	37.99
PCN 105	3	90	56.1567	292.43	LOD	5939.66	113.913	41.7133	45552.3	LOD	596.13	6.78667	LOD	28.5767	LOD	LOD	LOD	LOD	LOD	LOD	40.97
PCN 106	3	90	55.56	341.573	LOD	5673.34	LOD	77.6633	49079.7	LOD	395.797	10.5133	LOD	45.3033	LOD	11.3433	11.0767	63.1967	LOD	LOD	40.0933
PCN 107	3	90	70.36	367.67	49.9267	LOD	LOD	39.3533	52093.8	LOD	60.2	3.35	LOD	76.5867	7653.53	10.3233	8.81667	25.84	LOD	LOD	10.3
PCN 108	3	90	59.5367	365.313	LOD	LOD	149.22	58.97	65900.1	LOD	LOD	12.8433	LOD	188.42	LOD	LOD	13.7067	27.1467	LOD	LOD	39.0033
PCN 109	3	90	53.6133	351.017	LOD	LOD	138.05	72.91	48465.9	LOD	LOD	22.77	LOD	87.4767	LOD	8.66667	7.84667	107.47	LOD	LOD	28.98
PCN 110	3	90	90.9733	293.533	LOD	2170.5	LOD	54.2267	66511.6	LOD	165.317	27.46	LOD	173.81	10481.3	LOD	10.5633	LOD	LOD	LOD	36.6333
PCN 111	3	90	99.8967	264.847	LOD	3646.74	370.703	43.0133	81847.9	LOD	231.807	13.17	LOD	79.5133	LOD	LOD	21.4367	LOD	LOD	LOD	29.9033
PCN 112	3	90	81.4567	274.04	LOD	3775.22	LOD	58.29	68126.5	LOD	539.483	LOD	LOD	70.9767	8434.93	LOD	15.4467	LOD	LOD	LOD	40.1667
PCN 113	3	90	55.8067	279.843	LOD	10928.1	LOD	82.7033	54469.3	LOD	656.243	11.9567	LOD	33.0833	LOD	LOD	6.04667	23.1933	LOD	LOD	66.3067
PCN 114	3	90	44.47	222.897	LOD	2753.17	LOD	74.4033	48055	LOD	604.137	7.69667	LOD	31.91	LOD	LOD	LOD	29.06	LOD	LOD	42.0767
PCN 115	3	90	45.22	255.5	LOD	3448.07	LOD	89.1	43431.8	LOD	756.323	3.43333	LOD	26.1467	LOD	14.8233	LOD	LOD	LOD	LOD	36.17
PCN 116	3	90	71.8233	311.313	LOD	1077.75	LOD	82.0433	61900.7	5.63	227.593	LOD	LOD	40.8	LOD	14.1133	15.1533	52.13	LOD	LOD	16.5933
PCN 117	3	90	57.5433	302.527	21.4233	LOD	LOD	50.7867	66482.5	LOD	126.48	LOD	LOD	32.3	LOD	10.2867	11.8867	64.0267	LOD	LOD	LOD
PCN 118	3	90	73.8533	307.61	29.63	LOD	LOD	49.2733	73538.6	LOD	LOD	5.04333	LOD	27.5533	LOD	26.6	12.57	34.3733	LOD	LOD	LOD
PCN 119	3	90	68.8833	277.743	22.5233	LOD	LOD	73.3367	69390.8	LOD	LOD	7.43333	LOD	39.6533	LOD	LOD	8.22667	LOD	LOD	LOD	49.5767
PCN 120	3	90	91.8667	246.43	23.4533	LOD	191.95	69.3433	72536.3	LOD	LOD	3.23333	LOD	46.0933	LOD	LOD	12.6833	31.29	LOD	LOD	25.6667
PCN 121	5	90	98.172	281.9	31.99	LOD	LOD	49.476	74167.8	LOD	LOD	6.392	LOD	36.804	LOD	13.684	14.416	45.064	LOD	LOD	14.472
PCN 122	3	90	34.6733	239.24	LOD	4065.02	LOD	71.6667	39131.7	LOD	1569.67	6.87667	LOD	31.7033	LOD	LOD	LOD	27.5967	LOD	LOD	42.4
PCN 123	3	90	37.21	328.217	LOD	917.083	113.45	85.6533	45896.3	LOD	1126.41	LOD	LOD	31.3533	LOD	25.26	LOD	79.9833	LOD	LOD	42.96
PCN 124	3	90	30.9067	311.29	LOD	3292.03	LOD	82.8233	44490.8	LOD	673.993	LOD	LOD	22.72	LOD	10.7433	LOD	37.1633	LOD	LOD	48.01
PCN 125	3	90	17.1433	282.52	LOD	11063.4	116.713	81.9833	51542.6	LOD	1217.95	LOD	LOD	6.95667	LOD	LOD	LOD	35.32	LOD	LOD	88.63
PCN 126	3	90	23.4333	168.857	LOD	8413.28	LOD	107.37	49483.6	LOD	886.94	LOD	LOD	10.9833	LOD	LOD	12.8433	24.1333	LOD	LOD	96.8767
PCN 127	3	90	21.9733	280.53	LOD	6616	LOD	98.2	46357.7	LOD	557.293	LOD	LOD	6.25667	LOD	LOD	2.71	33.4667	LOD	LOD	59.1
PCN 128	3	90	27.6333	260.243	LOD	8214.96	121.08	102.21	52672.7	LOD	570.053	LOD	LOD	12.1133	LOD	LOD	LOD	31.99	LOD	LOD	59.2033
PCN 129	3	90	10.5933	LOD	LOD	34536.8	LOD	67.5967	24429.6	LOD	391.813	LOD	LOD	LOD	LOD	LOD	9.72333	LOD	LOD	LOD	111.71

Cockatoo Ridge soil samples - orientation line, -20+80# fraction

Sample Number	Number of readings	Average Duration	Niton error - average of readings																		
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 087	3	90	10.9667	40.71	36.5667	496.62	207.47	31.77	489.177	13.9833	109.04	8.22667	75.59	11.6933	12826.8	21.1467	5.62667	58.4633	17.73	88.9567	20.7167
PCN 088	3	90	10.42	39.4833	41.9267	484.99	217.787	33.4767	506.72	13.8433	118.51	8.33333	75.0167	10.82	12421.1	23.23	5.34333	71.88	17.2867	88.3367	18.4133
PCN 089	3	90	10.3	43.5767	38.3233	270.863	197.907	34.3533	470.843	12.7733	118.727	7.96	69.9933	9.81667	7494.12	22.9267	5.65	53.0967	16.9733	83.27	24.0567
PCN 090	3	90	10.1733	41.5067	37.1633	524.88	197.937	32.5	462.243	13.26	119.153	7.98333	74.16	12.24	12794	23.9067	5.28	59.6333	17.32	81.56	16.5533
PCN 091	3	90	10.61	45.5467	36.7567	353.013	205.727	33.0333	485.6	13.9167	108.22	8.24333	69.47	11.2567	9359.31	19.7133	5.38667	54.9033	17.62	92.7167	29.3467
PCN 092	3	90	18.7067	38.5167	50.5367	285.597	261.207	30.84	607.917	14.6033	129.827	8.73333	81.96	11.2733	8679.63	25.85	6.41	71.2933	15.9733	95.6167	17.6667
PCN 093	3	90	9.40667	39.6067	42.05	454.33	241.097	28.65	558.987	13.4733	117.973	8.45667	76.0433	10.3367	13670.5	23.4533	5.81333	64.8067	16.4733	91.9667	18.2233
PCN 094	3	90	11.9967	40.3333	44.0167	302.167	271.98	27.6733	634.4	14.32	112.257	6.11667	78.5467	9.93667	11834.5	23.7267	6.23667	58.4133	15.7467	93.4267	25.13
PCN 095	3	90	14.56	53.35	51.1733	261.667	360.637	32.44	842.657	16.6967	147.557	7.23	93.11	13.41	9605.4	30.44	6.44667	76.3	16.81	103.497	16.8133
PCN 096	3	90	11.8533	38.2	47.1533	197.9	267.477	29.22	627.48	14.22	165.73	8.59333	82.7467	11.08	6193.49	25.6667	6.07333	56.1567	16.69	93.4967	15.8333
PCN 097	3	90	10.6367	37.74	43.53	395.007	267.463	29.81	620.27	13.7533	155.133	6.84667	78.53	9.26333	13181.9	25.5767	6.09667	62.1933	15.7933	92.75	18.1733
PCN 098	3	90	10.1167	48.5233	46.4367	278.187	257.447	29.7	601.717	14.6467	137.253	5.93667	78.47	11.02	8204.68	33.1033	6.79333	91.99	14.88	93.5067	17.4933
PCN 099	3	90	10.9233	37.8667	42.3833	230.107	267.04	29.6567	621.217	14.35	106.197	6.97333	76.53	9.74333	8593.56	22.85	6.71	63.08	15.6033	92.4467	16.3233
PCN 100	3	90	10.6	38.7567	45.4233	429.747	266.213	29.4433	699.573	14.5933	119.093	6.89667	81.4133	10.9767	15663.9	26.1	5.67667	72.3367	15.7167	92.3967	17.21
PCN 101	3	90	11.0133	40.4967	46.2533	288.357	300.217	31.7167	703.107	14.2567	123.007	7.85	81.8633	9.79667	9636.53	27.13	6.09333	75.4933	15.6867	91.5533	17.41
PCN 102	3	90	11.3567	49.6567	48.9067	303.377	298.327	30.1333	690.413	14.75	118.793	7.80333	80.9733	11.55	13449.6	29.8933	7	83.34	14.5967	92.7867	15.7733
PCN 103	3	90	12.6567	42.9333	48.5633	282.947	323.763	31.3233	753.82	15.7767	118.743	6.93667	84.78	11.15	12504.8	29.3233	5.50667	80.4967	14.7333	100.443	16.05
PCN 104	3	90	11.2333	50.4267	47.22	277.227	308.353	32.02	721.663	14.8633	136.843	7.80333	83.66	10.6333	8305.83	33.97	6.19667	84.4833	14.5567	92.9	15.3567
PCN 105	3	90	12.3533	46.03	50.5	429.533	274.303	32.5967	719.687	15.2167	130.74	6.90333	84.0567	10.8933	13170.7	30.7	6.99333	84.9567	15.8567	96.69	15.8867
PCN 106	3	90	13.3867	47.05	53.7633	490.333	322.36	30.1133	751.543	14.4	118.047	6.02667	82.4733	12.7267	17188.9	27.5633	5.41	67.4167	16.1067	92.1567	15.6867
PCN 107	3	90	15.8	43.0633	48.1067	518.403	332.54	32.65	779.033	14.8967	128.567	8.08667	83.5233	15.3767	16133.3	25.0967	6.12	70.66	16.3433	94.6567	17.5067
PCN 108	3	90	20	49.17	56.2267	440.393	338.313	29.21	882.037	14.6767	154.77	7.26667	87.9367	22.3267	15024	32.53	5.97667	82.1567	16.6933	96.6267	15.9233
PCN 109	3	90	15.11	41.0967	50.1	308.67	280.64	29.06	734.593	14.39	136.277	6.28	79.7167	15.75	10544.1	24.55	6.05333	50.6233	16.95	92.3933	14.32
PCN 110	3	90	21.07	47.25	56.4667	443.473	386.987	29.8967	904.573	15.75	134.13	6.73	91.9233	21.9367	18869.3	30.95	5.67333	85.7567	18.4567	99	16.0433
PCN 111	3	90	17.94	51.06	58.2033	484.66	336.533	35.2233	1010.17	16.04	123.857	6.25	97.21	16.37	21878.9	34.24	6.88	94.73	15.6367	98.8233	15.3967
PCN 112	3	90	16.58	49.5967	56.73	344.91	394.197	30.3433	918.14	15.8467	141.13	8.96333	94.2767	15.4967	10676.3	33.0233	6.22333	91.4433	16.7667	101.61	16.6
PCN 113	3	90	12.7667	42.2067	48.1267	612.363	343.35	30.9367	797.79	15.15	139.833	6.04	86.76	11.5333	18002.8	28.3167	5.81667	70.6833	15.9367	96.9533	18.6233
PCN 114	3	90	11.71	40.0367	45.2133	291.5	315.247	29.4867	734.057	14.1333	131.407	6.87333	85.2867	11.05	9534.31	26.97	6.75333	67.2833	14.9733	92.8167	15.73
PCN 115	3	90	11.5567	51.43	48.2133	306.963	302.953	31.05	706.763	14.6533	140.83	7.94333	82.5833	10.5433	8235.76	30.01	6.55667	94.9333	14.8867	94.6367	15.44
PCN 116	3	90	14.4967	48.2967	54.0567	323.41	372.7	31.9233	870.727	13.8733	114.033	8.72333	89.67	12.79	13328.9	28.9733	6.07	72.0767	15.4667	99.1667	17.1467
PCN 117	3	90	13.3567	44.2433	47.15	296.21	388.013	35.6067	912.443	15.69	129.93	9.16333	89.9833	12.05	10174.6	26.6	5.72667	64	15.92	98.8033	20.0233
PCN 118	3	90	14.27	52.6567	54.2967	365.617	411.43	35.9067	970.387	16.51	166.693	8.28667	93.49	11.7833	15200.7	28.0433	5.98667	87.1367	15.92	103.373	20.7633
PCN 119	3	90	14.4533	52.3967	48.93	443.007	401.05	31.85	934.69	16.0233	155.013	7.20333	91.92	12.7767	17578.5	34.9633	6.72333	97.02	15.2933	105.233	17.89
PCN 120	3	90	15.7433	43.6267	52.96	383.083	358.04	30.6867	939.117	16.06	164.313	7.86667	90.7533	13.1467	12433.2	29.36	5.87333	72.39	13.9933	100.29	18.1533
PCN 121	5	90	16.39	45.264	55.288	216.882	424.18	35.16	992.978	16.378	166.528	7.666	99.02	13.048	8335.03	26.368	6.316	71.764	15.232	104.442	17.776
PCN 122	3	90	11.2133	43.4133	49.7167	428.84	286.19	29.6167	669.037	14.79	183.16	6.99333	83.49	11.1867	16390.6	29.16	6.72	73.3767	17.1533	95.7067	16.05
PCN 123	3	90	11.2567	47.9733	44.0433	182.277	274.633	30.3133	719.7	14.3733	161.417	8.62667	81.82	11.04	7751.67	25.6433	6.74667	71.07	16.71	95.8533	16.1033
PCN 124	3	90	10.0567	45.23	43.64	310.16	296.77	29.25	693.51	14.1567	131.567	8.43	80.7633	9.94	10278.7	26.5867	6.42667	74.0533	17.33	89.52	16.03
PCN 125	3	90	8.86	49.7167	44.1033	492.897	300.64	31.67	789.993	15.0033	174.343	8.79333	88.6267	12.44	9704.09	32.9033	6.99667	82.5867	17.28	97.2333	20.91
PCN 126	3	90	9.17333	38.51	43.9267	491.24	323.51	32.2633	749.743	14.5267	149.973	8.64	88.25	10.8967	14179.9	26.3433	5.52333	64.85	15.77	94.6767	20.87
PCN 127	3	90	9.16667	47.3267	42.6067	502.357	312.68	31.7	728.75	14.4767	128.7	8.73	87.7	12.5933	16381.2	31.68	6.34333	80.05	16.0633	89.96	17.4833
PCN 128	3	90	9.46667	43.4	41.7	492.04	297.49	32.0167	777.76	14.8433	132.03	8.50667	86.2733	10.3433	14813.5	28.9167	6.06333	71.2667	16.2533	92.6033	17.6933
PCN 129	3	90	8.29333	50.4767	35.26	857.037	206.653	25.7167	481.82	12.6733	97.73	7.67667	71.4833	11.7033	16333.3	23.07	4.53	63.93	16.92	79.83	19.83

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 087	3	90	NA	-351.147	NA	-5323.38	NA	11.6433	2135.19	NA	-19.6767	NA	NA	2.35	NA	-24.6167	NA	-70.5133	NA	NA	-48.6533
PCN 088	3	90	NA	-271.15	NA	-3615.06	NA	14.82	2771.12	NA	19.5767	NA	NA	5.35333	NA	-9.04	NA	NA	NA	NA	-16.0933
PCN 089	3	90	NA	-349.44	NA	9156.26	NA	NA	-1409.86	NA	-208.74	NA	NA	-2.45333	NA	-20.02	NA	-115.007	NA	NA	-69.7733
PCN 090	3	90	NA	-321.037	NA	-7014.36	NA	6.51	-517.8	NA	-219.313	NA	NA	NA	NA	-12.5067	NA	-58.0333	NA	NA	-24.15
PCN 091	3	90	NA	-475.127	NA	-954.89	NA	9.20667	913.337	NA	-29.4567	NA	-24.84	2.95	NA	-46.1233	NA	-179.657	NA	NA	-91.4933
PCN 092	3	90	15.8233	-89.7	NA	1673.79	NA	-19.3567	6462.14	NA	44.9433	NA	NA	1.89667	NA	NA	1.44667	NA	NA	NA	-2.03667
PCN 093	3	90	0.08667	-185.097	NA	-1920.02	NA	-9.28333	7333.06	NA	-143.17	NA	NA	2.42333	NA	-8.24333	NA	-22.4933	NA	NA	-1.97667
PCN 094	3	90	5.95333	-286.033	NA	-1342.6	NA	-14.7533	8248.43	NA	-244.86	-0.45333	NA	-0.72667	NA	-9.36	4.92	-66.7633	NA	NA	-131.907
PCN 095	3	90	25.37	-317.433	-21.15	-531.84	NA	-36.83	18477.4	NA	-330.14	-0.83667	NA	-6.99333	1479.5	-14.9067	20.1733	-93.7167	NA	NA	-15.6167
PCN 096	3	90	6.08333	-183.54	NA	892.8	NA	-24.2033	10689.9	NA	-522.073	NA	NA	-1.68667	NA	NA	7.45333	-51.9	NA	NA	-13.7
PCN 097	3	90	-0.46	-76.9067	NA	-690.023	NA	-5.83667	19961.4	NA	-108.233	3.84333	NA	6.28333	NA	NA	NA	-27.0833	NA	NA	-10.1833
PCN 098	3	90	3.83333	-87.8333	NA	223.613	NA	-20.6067	20680.9	NA	-72.4267	-2.77333	NA	7.24	NA	NA	NA	NA	NA	NA	3.71
PCN 099	3	90	2.1	-119.763	NA	824.927	NA	-12.91	21905.6	NA	-92.1833	3.3	NA	0.60333	NA	-11.0333	NA	-30.2433	NA	NA	-2.16667
PCN 100	3	90	8.13667	-76.1467	NA	-1835.07	-87.9867	-9.83	16258.7	NA	-110.607	13.3	NA	6.94667	NA	NA	2.93333	NA	NA	NA	-8.69333
PCN 101	3	90	-0.12333	-100.333	NA	109.06	NA	-35.8067	10934.7	NA	-115.92	2.96333	NA	-0.64333	NA	NA	5.89667	NA	NA	NA	-4.65667
PCN 102	3	90	3.48	-148.887	NA	-306.17	NA	-37.68	22878.7	NA	-154.67	5.24	NA	4.09333	NA	-10.9733	NA	-34.35	NA	NA	-16.09
PCN 103	3	90	4.8	-135.47	NA	137.087	NA	-32.2433	15711.6	NA	-205.54	0.22	NA	7.45667	NA	NA	2.77667	NA	NA	NA	-0.24667
PCN 104	3	90	2.43333	-142.48	NA	NA	NA	-49.1567	8749.64	NA	NA	5.72667	NA	-5.10333	NA	NA	4.72667	-38.8967	NA	NA	-14.99
PCN 105	3	90	12.7433	-132.43	NA	-2839.66	-105.013	6.28667	17247.7	NA	-251.13	1.08333	NA	2.42333	NA	NA	NA	NA	NA	NA	-15.97
PCN 106	3	90	-10.96	-261.573	NA	-2573.34	NA	-16.6633	2520.35	NA	-164.797	-2.48333	NA	6.69667	NA	-10.9333	0.22333	-62.4267	NA	NA	-13.0933
PCN 107	3	90	-30.16	-277.67	-39.3267	NA	NA	-22.3533	-17793.8	NA	-18.2	2.08	NA	-28.5867	-5153.53	-9.83333	-1.51667	-25.17	NA	NA	-3.3
PCN 108	3	90	-7.63667	-235.313	NA	NA	-147.72	29.03	17099.9	NA	NA	9.15667	NA	-63.42	NA	NA	10.0933	-26.1367	NA	NA	-13.0033
PCN 109	3	90	-2.71333	-251.017	NA	NA	-136.35	-15.91	14234.1	NA	NA	21.53	NA	-5.47667	NA	-8.29667	6.15333	-106.83	NA	NA	-5.98
PCN 110	3	90	19.0267	-233.533	NA	-1370.5	NA	10.7733	7488.42	NA	-101.317	7.14	NA	-51.81	-5781.26	NA	5.93667	NA	NA	NA	-16.6333
PCN 111	3	90	8.10333	-204.847	NA	-2846.74	-369.103	-7.01333	-26647.9	NA	-156.807	3.88	NA	0.48667	NA	NA	8.86333	NA	NA	NA	-23.9033
PCN 112	3	90	1.94333	-244.04	NA	-1175.22	NA	-22.29	17673.5	NA	-339.483	NA	NA	12.0233	2965.07	NA	10.4533	NA	NA	NA	-21.1667
PCN 113	3	90	-8.10667	-139.843	NA	-5728.09	NA	-14.7033	7030.72	NA	-109.243	-2.22667	NA	1.91667	NA	NA	-0.04667	-22.5933	NA	NA	-9.30667
PCN 114	3	90	-13.47	-102.897	NA	-453.17	NA	-17.4033	1545.03	NA	-104.137	0.14333	NA	-6.91	NA	NA	NA	-28.6	NA	NA	-13.0767
PCN 115	3	90	-12.62	-95.5	NA	51.93	NA	-20.1	14968.2	NA	-17.3233	2.46667	NA	-0.14667	NA	-14.3333	NA	NA	NA	NA	0.83
PCN 116	3	90	3.87667	-171.313	NA	522.247	NA	-1.04333	18099.3	-5.6	-100.593	NA	NA	-4.8	NA	-13.7733	1.04667	-51.57	NA	NA	1.40667
PCN 117	3	90	-2.54333	-192.527	-11.2733	NA	NA	-16.7867	5917.52	NA	-43.48	NA	NA	2.7	NA	-9.72667	10.0133	-63.0467	NA	NA	NA
PCN 118	3	90	4.64667	-197.61	-19.38	NA	NA	-18.2733	6061.43	NA	NA	0.27667	NA	1.44667	NA	-25.82	4.13	-33.1633	NA	NA	NA
PCN 119	3	90	-8.68333	-177.743	-13.3833	NA	NA	-22.3367	20909.2	NA	NA	-2.04333	NA	-2.65333	NA	NA	8.77333	NA	NA	NA	-30.5767
PCN 120	3	90	-12.1667	-166.43	-16.1233	NA	-188.35	49.6567	72463.7	NA	NA	-0.14333	NA	-22.0933	NA	NA	5.31667	-30.15	NA	NA	11.3333
PCN 121	5	90	-24.472	-221.9	-18.79	NA	NA	-5.476	4932.16	NA	NA	-1.422	NA	-6.804	NA	-12.824	-0.516	-43.764	NA	NA	-7.472
PCN 122	3	90	-5.17333	-119.24	NA	-1565.02	NA	-4.66667	11368.3	NA	160.333	-2.06667	NA	-5.70333	NA	NA	NA	-26.9067	NA	NA	0.6
PCN 123	3	90	-4.31	-228.217	NA	1582.92	-85.65	-8.65333	9503.74	NA	-16.4067	NA	NA	-5.35333	NA	-24.94	NA	-79.3733	NA	NA	-3.96
PCN 124	3	90	-3.10667	-141.29	NA	907.97	NA	3.17667	10809.2	NA	191.007	NA	NA	-0.72	NA	-10.4633	NA	-36.6333	NA	NA	4.99
PCN 125	3	90	-5.74333	-172.52	NA	4436.64	-84.4133	-16.9833	5857.42	NA	302.05	NA	NA	4.04333	NA	NA	NA	-35.14	NA	NA	4.37
PCN 126	3	90	-6.83333	-48.8567	NA	-13.2833	NA	11.63	4516.36	NA	105.06	NA	NA	-0.98333	NA	NA	-2.84333	-23.8433	NA	NA	-0.87667
PCN 127	3	90	-3.87333	-150.53	NA	-2616	NA	-7.2	11342.3	NA	88.7067	NA	NA	9.74333	NA	NA	1.09	-32.7267	NA	NA	7.9
PCN 128	3	90	-9.83333	-130.243	NA	-314.963	-95.38	1.79	5227.28	NA	9.94667	NA	NA	-0.11333	NA	NA	NA	-31.48	NA	NA	-3.20333
PCN 129	3	90	26.5067	NA	NA	-16936.8	NA	-5.59667	24270.4	NA	-68.8133	NA	NA	NA	NA	NA	-0.82333	NA	NA	NA	-24.71

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 087	3	90	NA	-502	NA	-100	NA	47	9	NA	-4	NA	NA	26	NA	-6653	NA	-100733	NA	NA	-81
PCN 088	3	90	NA	-339	NA	-61	NA	44	10	NA	3	NA	NA	54	NA	-2511	NA	NA	NA	NA	-26
PCN 089	3	90	NA	-582	NA	73	NA	NA	-7	NA	-46	NA	NA	-31	NA	-7415	NA	-191678	NA	NA	-68
PCN 090	3	90	NA	-642	NA	-140	NA	31	-3	NA	-50	NA	NA	NA	NA	-3380	NA	-116067	NA	NA	-62
PCN 091	3	90	NA	-792	NA	-20	NA	35	4	NA	-7	NA	-621	33	NA	-17740	NA	-359313	NA	NA	-58
PCN 092	3	90	7	-60	NA	36	NA	-27	16	NA	6	NA	NA	13	NA	NA	32	NA	NA	NA	-4
PCN 093	3	90	0	-116	NA	-60	NA	-12	19	NA	-32	NA	NA	15	NA	-2114	NA	-3213	NA	NA	-3
PCN 094	3	90	9	-409	NA	-192	NA	-40	19	NA	-160	-4	NA	-4	NA	-1156	54	-5518	NA	NA	-455
PCN 095	3	90	28	-1058	-315	-41	NA	-88	25	NA	-95	-11	NA	-19	17	-1014	54	-6841	NA	NA	-65
PCN 096	3	90	11	-204	NA	41	NA	-48	23	NA	-68	NA	NA	-6	NA	NA	47	-6829	NA	NA	-46
PCN 097	3	90	-1	-64	NA	-16	NA	-7	36	NA	-11	29	NA	26	NA	NA	NA	-3385	NA	NA	-17
PCN 098	3	90	10	-80	NA	7	NA	-32	39	NA	-10	-27	NA	34	NA	NA	NA	NA	NA	NA	6
PCN 099	3	90	4	-109	NA	37	NA	-19	39	NA	-37	28	NA	3	NA	-1970	NA	-3184	NA	NA	-5
PCN 100	3	90	16	-54	NA	-83	-677	-15	27	NA	-33	59	NA	37	NA	NA	35	NA	NA	NA	-18
PCN 101	3	90	0	-72	NA	4	NA	-52	20	NA	-30	43	NA	-3	NA	NA	70	NA	NA	NA	-9
PCN 102	3	90	7	-124	NA	-20	NA	-80	35	NA	-50	61	NA	18	NA	-1219	NA	-2563	NA	NA	-62
PCN 103	3	90	8	-151	NA	11	NA	-58	24	NA	-111	3	NA	21	NA	NA	20	NA	NA	NA	-1
PCN 104	3	90	6	-119	NA	NA	NA	-81	16	NA	NA	65	NA	-23	NA	NA	61	-5118	NA	NA	-65
PCN 105	3	90	18	-83	NA	-92	-1180	13	27	NA	-73	14	NA	8	NA	NA	NA	NA	NA	NA	-64
PCN 106	3	90	-25	-327	NA	-83	NA	-27	5	NA	-71	-31	NA	13	NA	-2667	2	-8107	NA	NA	-48
PCN 107	3	90	-75	-309	-371	NA	NA	-131	-52	NA	-43	38	NA	-60	-206	-2007	-21	-3757	NA	NA	-47
PCN 108	3	90	-15	-181	NA	NA	-9848	33	21	NA	NA	42	NA	-51	NA	NA	42	-2588	NA	NA	-50
PCN 109	3	90	-5	-251	NA	NA	-8021	-28	23	NA	NA	49	NA	-7	NA	-2242	44	-16692	NA	NA	-26
PCN 110	3	90	17	-389	NA	-171	NA	17	10	NA	-158	21	NA	-42	-123	NA	36	NA	NA	NA	-83
PCN 111	3	90	8	-341	NA	-356	-23069	-19	-48	NA	-209	23	NA	1	NA	NA	29	NA	NA	NA	-398
PCN 112	3	90	2	-813	NA	-45	NA	-62	21	NA	-170	NA	NA	14	26	NA	40	NA	NA	NA	-111
PCN 113	3	90	-17	-100	NA	-110	NA	-22	11	NA	-20	-23	NA	5	NA	NA	-1	-3766	NA	NA	-16
PCN 114	3	90	-43	-86	NA	-20	NA	-31	3	NA	-21	2	NA	-28	NA	NA	NA	-6217	NA	NA	-45
PCN 115	3	90	-39	-60	NA	1	NA	-29	26	NA	-2	42	NA	-1	NA	-2925	NA	NA	NA	NA	2
PCN 116	3	90	5	-122	NA	33	NA	-1	23	-18667	-79	NA	NA	-13	NA	-4051	6	-9209	NA	NA	8
PCN 117	3	90	-5	-175	-111	NA	NA	-49	8	NA	-52	NA	NA	8	NA	-1737	46	-6433	NA	NA	NA
PCN 118	3	90	6	-180	-189	NA	NA	-59	8	NA	NA	5	NA	5	NA	-3310	25	-2741	NA	NA	NA
PCN 119	3	90	-14	-178	-146	NA	NA	-44	23	NA	NA	-38	NA	-7	NA	NA	52	NA	NA	NA	-161
PCN 120	3	90	-15	-208	-220	NA	-5232	42	50	NA	NA	-5	NA	-92	NA	NA	30	-2645	NA	NA	31
PCN 121	5	90	-33	-370	-142	NA	NA	-12	6	NA	NA	-29	NA	-23	NA	-1491	-4	-3366	NA	NA	-107
PCN 122	3	90	-18	-99	NA	-63	NA	-7	23	NA	9	-43	NA	-22	NA	NA	NA	-3900	NA	NA	1
PCN 123	3	90	-13	-228	NA	63	-308	-11	17	NA	-1	NA	NA	-21	NA	-7794	NA	-13012	NA	NA	-10
PCN 124	3	90	-11	-83	NA	22	NA	4	20	NA	22	NA	NA	-3	NA	-3737	NA	-6912	NA	NA	9
PCN 125	3	90	-50	-157	NA	29	-261	-26	10	NA	20	NA	NA	37	NA	NA	NA	-19522	NA	NA	5
PCN 126	3	90	-41	-41	NA	0	NA	10	8	NA	11	NA	NA	-10	NA	NA	-28	-8222	NA	NA	-1
PCN 127	3	90	-21	-116	NA	-65	NA	-8	20	NA	14	NA	NA	61	NA	NA	29	-4423	NA	NA	12
PCN 128	3	90	-55	-100	NA	-4	-371	2	9	NA	2	NA	NA	-1	NA	NA	NA	-6173	NA	NA	-6
PCN 129	3	90	71	NA	NA	-96	NA	-9	50	NA	-21	NA	NA	NA	NA	NA	-9	NA	NA	NA	-28

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 087	3	90	0	469.23	0	15782.6	0	40.07	23327.4	0	512.1	0	0	19.95	0	41.44	0	119.23	0	0	119.97
PCN 088	3	90	0	367.27	0	12962.7	0	57.54	24969.7	0	713.97	0	0	13.94	0	28.2	0	0	0	0	94.74
PCN 089	3	90	0	434.83	0	3493.43	0	0	23617.9	0	754.77	0	0	16.27	0	34.25	0	139.74	0	0	221.56
PCN 090	3	90	0	396.07	0	16299.2	0	43.47	21666.9	0	690.55	0	0	0	0	38.63	0	92.13	0	0	66.15
PCN 091	3	90	0	587.5	0	10976.3	0	50.38	24516.1	0	484.99	0	86.52	18.15	0	56.35	0	218.43	0	0	280.7
PCN 092	3	90	210.97	252.18	0	6002.36	0	98.05	33088	0	725.12	0	0	20.94	0	0	9.16	0	0	0	74.38
PCN 093	3	90	37.53	386.33	0	5526.96	0	100.32	31438.1	0	727.07	0	0	22.6	0	25.9	0	69.58	0	0	78.29
PCN 094	3	90	68.93	383.54	0	2884.21	0	57.74	37672.5	0	400.4	15.43	0	27.52	0	30.51	12.54	106	0	0	192.94
PCN 095	3	90	68.61	368.36	83.58	3887.63	0	92.96	56610.7	0	719.19	13.95	0	49.05	21661.5	49.13	19.17	148.42	0	0	46.83
PCN 096	3	90	55.88	307.9	0	1320.61	0	88.75	36060.9	0	1369.25	0	0	32.88	0	0	13.39	88.01	0	0	49.38
PCN 097	3	90	46.43	218.14	0	6907.2	0	105.25	36357.6	0	1506.53	15.05	0	21.36	0	0	0	83.65	0	0	78.32
PCN 098	3	90	42.36	216.71	0	5608.37	0	99.97	33154.8	0	874.62	15.22	0	23.29	0	0	0	0	0	0	75.93
PCN 099	3	90	48.09	272.75	0	2510.1	0	91.82	36231.7	0	380.48	14.21	0	20.59	0	34.78	0	93.58	0	0	50.32
PCN 100	3	90	44.27	262.09	0	4214.16	302.96	87.71	44631	0	516.1	15.08	0	20.95	0	0	8.35	0	0	0	67.69
PCN 101	3	90	52.99	251.53	0	5634.64	0	120.41	46778.5	0	572.17	11.72	0	27.49	0	0	7.51	0	0	0	65.14
PCN 102	3	90	55.17	301.37	0	2395.29	0	92.47	44985	0	587.04	10.2	0	29.41	0	35.62	0	107.07	0	0	52.72
PCN 103	3	90	65.23	241.73	0	1452.38	0	110.93	50161.3	0	493.23	14.07	0	31.18	0	0	13.13	0	0	0	28.55
PCN 104	3	90	45.5	282.97	0	0	0	120.86	48174.3	0	0	9.34	0	32.75	0	0	8.92	118.97	0	0	49
PCN 105	3	90	60.56	309.25	0	8549.92	341.74	77.93	47660.7	0	731.28	10.78	0	32.19	0	0	0	0	0	0	45.1
PCN 106	3	90	60.32	352.19	0	5997.85	0	91.01	51011.8	0	512.45	12.42	0	55.16	0	34.03	11.79	98.78	0	0	52.8
PCN 107	3	90	78.3	383.41	84.93	0	0	68.8	53130.6	0	180.6	10.05	0	78.84	22960.6	30.97	15.28	77.52	0	0	30.9
PCN 108	3	90	80.87	371.22	0	0	447.66	62.86	66847	0	0	22.18	0	195.09	0	0	16.39	81.44	0	0	47.38
PCN 109	3	90	56.35	374.43	0	0	414.15	77.71	49630.6	0	0	24.88	0	91.69	0	26	13.09	149.13	0	0	31.22
PCN 110	3	90	97.14	349.88	0	2814.95	0	59	73910.4	0	299.42	33.61	0	196.1	31443.8	0	12.74	0	0	0	43.5
PCN 111	3	90	110.33	269.24	0	3754.45	572.21	74.62	90091.7	0	296.08	15.67	0	95.23	0	0	21.62	0	0	0	33.38
PCN 112	3	90	88.7	286.35	0	7350.89	0	75.05	72304.4	0	563.57	0	0	78.62	25304.8	0	18.94	0	0	0	42.78
PCN 113	3	90	58.27	325.24	0	12506	0	96.99	54752.7	0	680.47	12.21	0	36.62	0	0	10.11	69.58	0	0	71.99
PCN 114	3	90	49.14	256.91	0	5838.09	0	82.86	49771.5	0	652.47	12.91	0	33.58	0	0	0	87.18	0	0	43.02
PCN 115	3	90	45.86	273.96	0	7105.52	0	92.62	43866.1	0	771.93	10.3	0	27.71	0	44.47	0	0	0	0	36.74
PCN 116	3	90	78.61	322.79	0	1728.29	0	94.46	63889.2	16.89	242.88	0	0	42.92	0	42.34	17.43	82.86	0	0	28.05
PCN 117	3	90	67.03	342.1	64.27	0	0	94.28	73008.5	0	199.99	0	0	39.87	0	30.86	14.57	103.46	0	0	0
PCN 118	3	90	86.73	351	88.89	0	0	74.24	81303.3	0	0	15.13	0	37.39	0	43.78	14.65	103.12	0	0	0
PCN 119	3	90	78.38	297.61	67.57	0	0	76.69	71018.6	0	0	12.31	0	45.75	0	0	13.05	0	0	0	62.6
PCN 120	3	90	96.63	260.58	70.36	0	575.85	79.66	74675	0	0	9.7	0	49.4	0	0	15.2	93.87	0	0	51.05
PCN 121	5	90	104.13	335.98	85.23	0	0	72.27	78934.7	0	0	11.53	0	41.8	0	37.87	17.71	118.32	0	0	27.87
PCN 122	3	90	38.1	278.09	0	4288.15	0	81.38	39187.8	0	1639.58	11.24	0	36.93	0	0	0	82.79	0	0	46.95
PCN 123	3	90	39.87	369.93	0	951.46	340.35	106.93	47400.5	0	1144.72	0	0	33.93	0	39.88	0	138.41	0	0	46.59
PCN 124	3	90	38.44	355.37	0	6970.37	0	106.74	45208.4	0	714.34	0	0	23.46	0	32.23	0	111.49	0	0	55.16
PCN 125	3	90	19.28	311.83	0	22753.1	350.14	93.9	52839.3	0	1337.55	0	0	20.87	0	0	0	105.96	0	0	97.44
PCN 126	3	90	31.29	228.03	0	11608.3	0	113.33	52109.2	0	954.63	0	0	17.27	0	0	14.02	72.4	0	0	102.58
PCN 127	3	90	26.59	289.71	0	6751.66	0	117.81	48175.1	0	717.02	0	0	18.77	0	0	8.13	100.4	0	0	72.54
PCN 128	3	90	34.11	270.07	0	11276.6	363.24	114.68	54747	0	614.98	0	0	19.87	0	0	0	95.97	0	0	75.27
PCN 129	3	90	20	0	0	48115.4	0	90.44	25104.2	0	418.87	0	0	0	0	0	11.67	0	0	0	114.99

Cockatoo Ridge soil samples - orientation line,-80# fraction

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 087	3	90	3.6	70	0.23	5300	7.9	25	24700	0.01	460	1.07	4	9	300	0.37	0.6	0.07	1.02	-0.05	60
PCN 088	3	90	4.9	80	0.27	5900	11.1	34	27100	0.02	623	1.18	5	10	300	0.36	0.8	0.08	1.04	-0.05	63
PCN 089	3	90	3.2	60	0.2	12500	7.9	25	20800	0.02	458	1.31	4	8	200	0.27	0.7	0.06	0.78	-0.05	103
PCN 090	3	90	2.8	50	0.18	5000	6.6	21	20300	0.01	438	0.97	4	8	200	0.37	0.6	0.05	0.7	-0.05	39
PCN 091	3	90	3.8	60	0.23	4700	8.9	26	23200	0.01	435	1.01	4	9	100	0.26	0.9	0.05	0.96	-0.05	158
PCN 092	3	90	220	150	0.72	4700	29.5	71	39200	0.03	704	3.21	11	15	300	0.95	4.5	0.45	0.96	-0.05	58
PCN 093	3	90	31.7	160	1.14	3200	34.1	80	37900	0.02	453	4.32	10	16	500	0.39	4.4	0.7	1.27	-0.05	75
PCN 094	3	90	65.9	70	1.25	700	6.1	37	44000	0.01	153	11.75	2	19	4100	0.81	9.1	1.21	0.52	-0.05	29
PCN 095	3	90	90.6	30	6.71	1300	14.7	42	74800	0.02	347	7.41	4	37	8700	1.47	37.6	1.37	0.27	-0.05	24
PCN 096	3	90	54.9	90	6.34	2200	15.3	50	46200	0.03	767	8.09	5	28	1400	1.17	15.7	0.76	0.39	-0.05	30
PCN 097	3	90	44.2	120	1.94	4400	38.2	83	55300	0.04	1020	13.15	7	24	800	0.51	4.7	0.8	0.77	-0.05	60
PCN 098	3	90	38.9	110	1.72	3000	30.9	64	53700	0.03	734	10.4	5	21	800	0.63	4.7	0.88	0.56	-0.05	65
PCN 099	3	90	47.1	110	2.49	2200	12.7	69	56700	0.02	248	11.9	4	20	800	0.56	8.1	0.95	0.61	-0.05	46
PCN 100	3	90	50	140	2.04	2200	13	64	59700	0.03	336	22.4	4	19	1300	0.74	8.5	1.14	0.56	-0.05	48
PCN 101	3	90	44.7	140	2.13	2800	21.2	69	54900	0.04	389	6.87	5	19	1500	0.46	8.4	0.8	0.59	-0.05	54
PCN 102	3	90	50.9	120	2.57	1500	14.9	47	65400	0.04	307	8.64	5	23	1000	0.9	8.2	1.34	0.38	0.06	26
PCN 103	3	90	63.1	90	6.4	1200	9.2	56	64400	0.03	186	8.3	3	36	3400	0.91	13.6	1.05	0.25	0.07	18
PCN 104	2	90	43.6	120	2.49	700	5.2	61	55400	0.02	105	8.84	3	22	600	0.56	7.7	0.76	0.39	-0.05	23
PCN 105	3	90	68.9	160	4.02	3100	8.9	48	62800	0.02	345	7.87	3	31	1300	0.72	9.9	1.23	0.32	-0.05	25
PCN 106	3	90	44.6	80	5.67	3100	8.8	61	51600	0.03	231	8.03	3	52	4100	0.41	11.3	0.77	0.37	-0.05	27
PCN 107	3	90	40.2	90	10.6	600	1.7	17	34300	0.01	42	5.43	1	48	2500	0.49	7.3	0.67	0.13	-0.05	7
PCN 108	3	90	51.9	130	3.81	500	1.5	88	83000	0.01	50	22	1	125	1700	0.35	23.8	1.01	0.28	-0.05	26
PCN 109	3	90	50.9	100	5.14	700	1.7	57	62700	0.01	49	44.3	1	82	600	0.37	14	0.64	0.36	-0.05	23
PCN 110	3	90	110	60	5.36	800	2.1	65	74000	0.01	64	34.6	1	122	4700	0.29	16.5	0.58	0.19	-0.05	20
PCN 111	3	90	108	60	4.6	800	1.6	36	55200	-0.01	75	17.05	1	80	5200	0.47	30.3	0.23	0.09	-0.05	6
PCN 112	3	90	83.4	30	8.07	2600	7.1	36	85800	0.02	200	4.27	2	83	11400	0.5	25.9	0.52	0.08	-0.05	19
PCN 113	3	90	47.7	140	2.97	5200	18.8	68	61500	0.02	547	9.73	7	35	800	0.65	6	0.6	0.45	-0.05	57
PCN 114	3	90	31	120	1.5	2300	17.3	57	49600	0.05	500	7.84	8	25	400	0.51	3.6	0.46	0.44	-0.05	29
PCN 115	3	90	32.6	160	1.42	3500	29.7	69	58400	0.04	739	5.9	9	26	400	0.49	2.8	0.56	0.65	-0.05	37
PCN 116	3	90	75.7	140	6.92	1600	7.1	81	80000	0.03	127	2.69	2	36	1700	0.34	16.2	0.56	0.22	-0.05	18
PCN 117	3	90	55	110	10.15	800	2.3	34	72400	0.02	83	3.53	1	35	2700	0.56	21.9	0.98	0.11	-0.05	5
PCN 118	3	90	78.5	110	10.25	400	2.1	31	79600	0.01	48	5.32	1	29	3300	0.78	16.7	1.21	0.1	-0.05	5
PCN 119	3	90	60.2	100	9.14	400	1.8	51	90300	0.01	34	5.39	1	37	2700	0.5	17	1.03	0.09	-0.05	19
PCN 120	3	90	79.7	80	7.33	800	3.6	119	145000	0.03	60	3.09	1	24	1200	0.63	18	1.14	0.21	-0.05	37
PCN 121	3	90	73.7	60	13.2	300	2.3	44	79100	0.02	58	4.97	1	30	1400	0.86	13.9	1.3	0.12	-0.05	7
PCN 122	3	90	29.5	120	2.96	2500	34.5	67	50500	0.04	1730	4.81	7	26	700	0.47	2.6	0.69	0.6	-0.05	43
PCN 123	3	90	32.9	100	3.17	2500	27.8	77	55400	0.04	1110	5.45	8	26	500	0.32	3	0.61	0.62	-0.05	39
PCN 124	3	90	27.8	170	2.27	4200	21.8	86	55300	0.04	865	3.7	8	22	500	0.28	3.2	0.53	0.64	-0.05	53
PCN 125	3	90	11.4	110	1.65	15500	32.3	65	57400	0.06	1520	0.9	7	11	200	0.29	1.7	0.18	0.64	-0.05	93
PCN 126	3	90	16.6	120	0.72	8400	49	119	54000	0.06	992	2.36	14	10	500	0.27	10	0.29	0.92	-0.05	96
PCN 127	3	90	18.1	130	1.22	4000	30	91	57700	0.05	646	3.26	9	16	1000	0.46	3.8	0.74	0.97	-0.05	67
PCN 128	3	90	17.8	130	1.32	7900	25.7	104	57900	0.04	580	1.43	9	12	800	0.24	2.7	0.51	1.16	-0.05	56
PCN 129	3	90	37.1	90	3.88	17600	12.4	62	48700	0.08	323	2.82	7	7	1700	0.83	8.9	0.95	0.53	-0.05	87

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 087	3	90	LOD	342.63	LOD	12258.6	LOD	14.0033	30007.9	LOD	696.08	LOD	LOD	22.21	LOD	10.2833	LOD	25.3767	LOD	LOD	195.107
PCN 088	3	90	LOD	283.463	LOD	16090.7	LOD	39.9233	28687.8	LOD	670.533	LOD	LOD	17.5267	LOD	LOD	LOD	28.3367	LOD	LOD	126.137
PCN 089	3	90	LOD	310.69	LOD	12297.6	LOD	34.5833	29206.8	LOD	898.01	3.89333	LOD	19.3667	LOD	LOD	LOD	30.26	LOD	LOD	258.5
PCN 090	3	90	LOD	254.907	LOD	9991.27	LOD	34.6467	29091.3	LOD	870.963	LOD	LOD	12.0767	LOD	LOD	LOD	LOD	LOD	LOD	82.62
PCN 091	3	90	LOD	371.853	LOD	11096.3	LOD	32.46	30986.4	LOD	664.713	LOD	LOD	14.3233	LOD	16.1767	LOD	32.5567	LOD	LOD	430.46
PCN 092	3	90	177.11	181.87	LOD	1599.97	LOD	73.0233	30622.3	LOD	686.597	3.13667	LOD	10.6767	LOD	LOD	2.84667	LOD	LOD	LOD	67.7833
PCN 093	3	90	35.8633	303.913	LOD	2998.11	87.2	92.7567	31718.8	LOD	435.05	3.12333	LOD	11.8733	LOD	LOD	LOD	LOD	LOD	LOD	88.6533
PCN 094	3	90	65.53	266.14	LOD	2268.88	91.8833	72.7667	34139.4	LOD	379.32	13.04	LOD	19.1033	LOD	LOD	5.36333	LOD	LOD	LOD	171.05
PCN 095	3	90	68.5933	294.343	LOD	2988.67	128.887	64.1067	56989.1	LOD	593.113	7.85667	LOD	47.2133	LOD	25.1933	19.4267	74.2967	LOD	LOD	32.3333
PCN 096	3	90	49.95	204.52	LOD	3258.31	LOD	70.84	33529.4	LOD	1194.78	8.57667	LOD	32.4267	LOD	LOD	10.28	LOD	LOD	LOD	51.0467
PCN 097	3	90	26.73	140.607	LOD	7241	96.2833	90.3467	30139.4	LOD	707.88	9.81	LOD	22.4567	LOD	LOD	2.35333	LOD	LOD	LOD	75.5567
PCN 098	3	90	36.18	197.093	LOD	3714.69	93.7	72.8233	28598.7	LOD	576.053	10	LOD	12.7867	LOD	LOD	LOD	22.1167	LOD	LOD	67.8233
PCN 099	3	90	36.23	254.183	LOD	2109.01	LOD	75.5533	29064	LOD	307.973	7.93667	29.36	22.8533	LOD	11.25	LOD	62.3233	LOD	LOD	49.8
PCN 100	3	90	43.0267	132.12	LOD	4302.91	LOD	91.19	37612	LOD	423.447	6.58333	LOD	22.0467	LOD	LOD	2.59667	LOD	LOD	LOD	68.0767
PCN 101	3	90	46.87	175.977	LOD	4236.33	94.8633	95.6133	37968.6	LOD	521.47	10.2133	LOD	14.0767	LOD	LOD	2.61333	LOD	LOD	LOD	65.23
PCN 102	3	90	53.4067	177.277	LOD	1356.02	229.64	80.55	38276	LOD	494.617	LOD	LOD	14.3467	LOD	LOD	3.08667	LOD	LOD	LOD	49.3467
PCN 103	3	90	75.6167	179.633	LOD	742.117	LOD	73.7733	45202.1	LOD	255.837	7.48	LOD	20.6033	LOD	21.22	11.57	25.6233	LOD	LOD	25.5833
PCN 104	2	90	41.98	245.94	34.35	LOD	LOD	89.22	40905.5	LOD	LOD	11.695	LOD	24.005	LOD	LOD	6.55	LOD	LOD	LOD	40.145
PCN 105	3	90	57.0267	213.187	LOD	8502.54	LOD	65.0233	37975.5	LOD	626.187	LOD	LOD	29.1267	LOD	LOD	5.23333	LOD	LOD	LOD	42.53
PCN 106	3	90	51.2333	284.55	LOD	2785.22	LOD	72.46	44395.2	LOD	413.967	8.59	LOD	44.5733	LOD	10.6533	9.22667	35.6733	LOD	LOD	48.9967
PCN 107	3	90	79.14	340.22	27.3367	240.193	154.577	25.66	56649.9	LOD	71.8867	4.33	LOD	90.2733	LOD	11.8533	15.25	35.8767	LOD	LOD	23.4067
PCN 108	3	90	52.1133	274.133	LOD	LOD	133.55	20.9733	57301	LOD	58.9867	18.7067	LOD	207.103	LOD	LOD	15.78	LOD	LOD	LOD	35.9533
PCN 109	3	90	49.77	286.653	LOD	LOD	LOD	60.82	47258.7	LOD	LOD	22.93	LOD	92.5467	LOD	10.5167	10.5333	25.5367	LOD	LOD	33.99
PCN 110	3	90	104.773	178.133	LOD	380.407	280.243	64.94	68837.7	LOD	LOD	28.6133	LOD	170.473	LOD	LOD	11.0833	LOD	LOD	LOD	38.75
PCN 111	3	90	108.54	226.82	24.3833	2266.81	168.257	56.9133	83504.5	LOD	173.727	14.3167	LOD	86.8667	LOD	LOD	22.69	LOD	LOD	LOD	36.04
PCN 112	3	90	78.3367	184.73	LOD	5773.3	LOD	55.7033	66403.6	LOD	561.217	5.14667	LOD	84.5567	LOD	LOD	17.4533	LOD	LOD	LOD	44.3333
PCN 113	3	90	48.4233	149.747	LOD	8269.21	LOD	85.4967	48570.9	LOD	588.523	11.9267	LOD	40.98	LOD	LOD	LOD	LOD	LOD	LOD	59.69
PCN 114	3	90	39.0267	157.68	LOD	4924.68	LOD	75.7133	40391	LOD	587.2	7.71	LOD	34.33	LOD	LOD	LOD	LOD	LOD	LOD	45.0867
PCN 115	3	90	35.3267	147.74	18.1767	6622.58	116.017	73.7667	37934.1	LOD	628.623	3.02	32.2533	28.5433	LOD	LOD	LOD	LOD	LOD	LOD	44.0267
PCN 116	3	90	68.9167	236.93	LOD	658.393	LOD	65.6533	55739.3	LOD	50.6633	3.17667	LOD	36.21	LOD	8.67	15.0567	59.9667	LOD	LOD	21.9
PCN 117	3	90	63.0767	235.36	LOD	LOD	LOD	31.1033	57185.6	LOD	LOD	LOD	LOD	29.7	LOD	13.7533	6.59333	61.8833	LOD	LOD	8.29333
PCN 118	3	90	79.7067	275.947	LOD	LOD	140.843	43.5533	65613.8	LOD	LOD	3.58	LOD	32.21	LOD	12.7733	7.94	54.9933	LOD	LOD	9.50667
PCN 119	3	90	73.57	220.573	27.16	LOD	LOD	65.8967	62247.3	LOD	LOD	3.94333	LOD	44.77	LOD	LOD	17.2967	31.4233	LOD	LOD	69.8767
PCN 120	3	90	84.7833	199.73	LOD	LOD	LOD	81.65	63835.7	LOD	LOD	LOD	LOD	49.9033	LOD	LOD	15.31	LOD	LOD	LOD	32.06
PCN 121	3	90	101.353	232.1	27.7633	LOD	LOD	59.7467	68011.8	LOD	LOD	8.12	LOD	33.7533	LOD	9.57333	13.35	68.6667	LOD	LOD	17.92
PCN 122	3	90	25.9533	177.963	LOD	4849.75	LOD	75.2167	31837.1	LOD	1329.77	LOD	LOD	25.5433	LOD	LOD	LOD	LOD	LOD	LOD	48.8533
PCN 123	3	90	37.01	300.293	LOD	4837.37	LOD	98.2067	37837.7	LOD	985.893	3.14667	LOD	28.3667	LOD	13.2967	LOD	61.5933	LOD	LOD	31.09
PCN 124	3	90	26.2633	242.263	LOD	5673.74	LOD	76.4433	40925.1	LOD	721.57	LOD	LOD	26.8367	LOD	LOD	LOD	LOD	LOD	LOD	51.14
PCN 125	3	90	19.9833	235.707	LOD	10376.9	LOD	73.56	46578.1	LOD	1058.59	LOD	LOD	4.95	LOD	LOD	LOD	LOD	LOD	LOD	86.8733
PCN 126	3	90	23.7933	167.903	LOD	12170.4	LOD	120.03	46175.6	LOD	682.82	LOD	LOD	LOD	LOD	LOD	11.7167	LOD	LOD	LOD	83.0767
PCN 127	3	90	22.03	208.203	LOD	5414.81	LOD	101.867	42561.9	LOD	411.71	LOD	LOD	20.54	LOD	8.65	LOD	LOD	LOD	LOD	65.8367
PCN 128	3	90	25.9467	219.047	LOD	2784.04	LOD	84.3633	50495.3	LOD	627.77	2.92	LOD	13.0967	LOD	LOD	LOD	LOD	LOD	LOD	59.0233
PCN 129	3	90	9.85	LOD	LOD	24634.2	LOD	59.3033	23290.7	LOD	375.997	LOD	LOD	LOD	LOD	LOD	10.2	LOD	LOD	LOD	105.71

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 087	3	90	12.08	48.1667	42.8233	545.633	250.15	35.54	584.51	14.23	132.1	8.96	82.1433	10.19	13498.5	29.0067	6.14	80.15	18.1133	93	27.3467
PCN 088	3	90	11.6433	49.6067	35.96	672.733	240.08	30.46	559.663	13.6533	126.637	8.77333	77.3767	9.4	15671.9	33.09	5.91667	82.6467	17.9867	85.4067	22.24
PCN 089	3	90	11.3633	44.9567	38.2667	556.537	238.53	30.1067	553.677	13.8067	138.02	7.68	75.1567	9.35667	14307.4	29.65	5.60333	73.35	18.15	93.2933	29.78
PCN 090	3	90	11.4267	44.68	38.5433	457.853	236.787	30.5067	558.903	14.0367	138.233	8.58	75.9267	10.4167	11232.1	29.73	5.47	81.8533	17.56	89.18	18.9333
PCN 091	3	90	12.3	43.5667	43.4767	530.63	251.41	30.6333	584.953	14.6567	128.07	8.76667	79.89	11.2033	12198.4	25.43	6.23	70.1767	18.09	98.43	38.52
PCN 092	3	90	17.37	35.3167	50.8167	203.983	249.36	29.1	584.053	13.88	129.517	7.8	76.2067	10.6733	6718.82	23.84	6.27	65.64	15.75	90.2367	18.05
PCN 093	3	90	9.58333	41.9267	38.65	307.493	219.073	28.8067	567.393	13.8667	107.627	7.48333	76.8167	10.2433	9874.17	27.6367	6.14333	77.14	15.91	91.0133	19.08
PCN 094	3	90	12.23	39.1667	46.13	320.043	237.173	29.2433	616.747	14.9167	109.743	6.07333	79.9767	9.81667	14399	25.8533	5.45667	72.01	15.68	96.1667	25.8067
PCN 095	3	90	14.86	40.8233	55.7167	365.287	322.693	31.0567	844.66	15.7167	141.227	7.18333	92.7167	13.71	15221.1	21.2467	6.62333	59.7967	16.0833	100.4	15.7267
PCN 096	3	90	11.95	40.23	48.3933	309.42	257.33	28.4367	602.35	14.1033	158.163	6.81333	79.5233	11.2367	9898.5	27.07	5.19667	75.4767	16.22	92.8067	16.3767
PCN 097	3	90	9.45333	45.9833	40.6333	507.843	211.093	28.6	554.187	13.76	124.7	6.67	73.9933	9.66333	16142.1	31.3067	5.78333	86.5433	15.08	86.1733	17.89
PCN 098	3	90	9.71333	33.91	37.43	356.283	209.217	27.62	544.317	13.8133	117.233	6.73	73.9767	10.2633	11340.8	23.1933	6.00333	56.8667	14.6067	90.3733	17.5033
PCN 099	3	90	10.48	44.7	45.85	301.197	240.507	29.0367	563.043	14.63	100.017	6.87333	70.6867	9.99333	12164.7	26.9	6.52667	64.8633	14.7367	90.29	16.17
PCN 100	3	90	10.8433	37.39	43.7733	443.7	272.817	30.08	639.797	14.27	112.497	6.84	77.6633	9.86	16408.7	25.25	5.75667	70.1733	15.8033	93.2533	18.0667
PCN 101	3	90	10.7967	43.52	43.1233	391.527	245.67	30.0767	638.32	13.7833	118.927	5.79667	78.98	10.91	13638.6	29.4167	6.16333	80.86	15.2767	91.3933	17.62
PCN 102	3	90	11.1733	40.05	44.89	246.597	216.133	28.6667	637.69	13.62	116.51	8.53667	76.2933	10.91	9232.89	27.36	6.02	75.2433	14.9367	88.7333	15.9633
PCN 103	3	90	12.92	38.3833	49.3867	303.293	304.33	29.2633	709.46	14.4167	102.9	6.83667	82.79	10.0967	13389.1	20.3233	5.24333	65.02	13.86	90.8033	13.7733
PCN 104	2	90	10.885	46.615	41.69	498.49	283.56	29.545	660.565	14.16	129.525	5.925	81.005	10.19	15411.5	31.52	6.02	87.23	14.85	87.46	14.99
PCN 105	3	90	12.1433	41.9767	46.0733	549.717	273.99	27.93	642.28	14.17	126.527	8.55	74.99	10.72	16934.4	28.35	5.52	77.8433	15.07	90.3267	15.5033
PCN 106	3	90	12.82	45.4667	47.9033	306.343	300.86	29.0067	701.387	13.9933	115.85	6.85	82.0167	12.37	11889.3	27.17	5.01667	74.9433	14.7567	88.2767	16.1267
PCN 107	3	90	17.1033	43.7033	55.0067	382.77	314.473	37.62	823.693	15.4433	134.197	8.26667	89.2233	16.77	15311.9	25.38	6.10667	69.6567	16.6833	98.2967	17.0867
PCN 108	3	90	20.5767	40.4667	60.9933	529.633	314.757	36.9967	828.59	15.66	130.43	6.4	86.3467	23.47	19193.5	26.7933	6.19	74.37	16.55	95.4133	15.62
PCN 109	3	90	15.23	39.15	51.1733	424.827	314.093	28.46	729.25	14.7267	134.613	6.35333	83.1667	16.1633	14858.7	23.32	5.33333	64.5	16.59	94.5167	14.96
PCN 110	3	90	21.5333	38.74	57.5833	177.287	309.46	30.7133	921.773	16.1667	161.44	6.77	90.5867	21.8867	8781.04	25.8967	7.05	71.5267	18.4533	101.343	16.5133
PCN 111	3	90	19.0067	38.52	55.2	387.803	399.7	36.96	1041.23	15.9133	147.413	6.42667	96.2033	17.28	18066.5	25.9567	7.16333	72.1	16.18	101.28	16.5233
PCN 112	3	90	16.98	40.4333	56.4133	467.963	386.43	29.8733	903.383	15.63	141.113	8.09333	89.5167	16.4567	16520.6	27.1667	6.36667	75.5767	16.4833	101.05	16.9867
PCN 113	3	90	12.51	37.19	41.2	503.09	316.81	30.4267	740.88	14.4267	130.553	5.93667	84.32	11.9567	14486	25.0733	6.84333	69.65	15.68	93.3	17.59
PCN 114	3	90	11.1633	41.43	44.18	473.12	278.32	28.2167	652.783	13.72	123.477	6.66	77.17	10.93	16628.5	28.3433	6.16667	77.4667	14.5033	84.8333	15.32
PCN 115	3	90	10.8033	46.96	40.4967	499.707	246.317	29.0867	645.907	14.7433	127.93	7.69333	72.38	10.5267	15806.6	32.0067	6.39333	88.9667	15.7033	96.3633	15.9933
PCN 116	3	90	13.7333	37.3767	51.3333	256.51	342.123	29.57	806.507	14.8333	134.157	7.69	84.3833	12.0233	10391.9	22.4167	5.87667	54.5633	15.2967	95.8267	16.7667
PCN 117	3	90	13.1767	40.6833	51.8833	407.367	353.303	31.8433	826.977	14.92	147.24	8.85	84.5167	11.35	14659.6	24.7033	6.11667	60.4133	14.8233	98.28	17.67
PCN 118	3	90	14.45	41.7333	58.4533	458.077	341.463	34.4667	895.15	15.9267	158.777	8.03667	91.22	11.8333	17203	24.4567	6.39667	61.7667	15.5333	99.1933	18.5733
PCN 119	3	90	14.7367	39.8533	54.1	278.553	370.047	30.3767	865.967	15.4667	148.91	8.04	91.1933	13.1867	9599.95	27.0667	6.19667	65.06	15.6433	97.95	19.14
PCN 120	3	90	15.4	45.8933	59.4033	401.95	371.177	31.0933	869.627	14.5233	142.943	8.76333	88.2167	13.4133	13832.1	31.0167	5.93667	86.5633	14.7	92.9867	15.0233
PCN 121	3	90	16.1933	41.4333	57.66	259.49	404.073	31.3133	938.27	16.69	154.347	7.27667	91.96	12.5433	10570.7	25.23	6.09667	60.1967	14.4433	99.59	17.5167
PCN 122	3	90	9.79	38.1367	44.7767	454.483	250.423	28.2633	581.103	13.5567	163.267	8.47333	77.9767	10.1033	14799.5	25.8	5.96333	71.4633	15.73	84.0433	15.6533
PCN 123	3	90	10.7433	43.98	47.2267	473.507	271.807	30.1167	635.737	14.48	147.517	7.60667	78.56	10.3467	17453.8	26.2433	5.68333	63.3267	16.1667	90.0067	14.2867
PCN 124	3	90	9.9	42.39	42.3167	436.793	282.79	28.3067	658.813	13.6267	132.447	8.39667	76.9067	10.1967	13906.3	28.3967	5.82667	78.6833	16.6633	85.9467	16.06
PCN 125	3	90	8.65667	42.85	45.1767	475.13	317.503	30.7367	745.5	15.1	162.87	8.59	87.4233	11.5433	11813.8	28.7733	6.64333	80.4	16.83	94.5633	20.51
PCN 126	3	90	8.69667	42.14	42.82	638.123	306.817	32.58	716.607	14.09	135.15	8.51	85.7967	13.09	16776.1	28.6767	5.27333	79.5533	15.54	90.6933	19.4433
PCN 127	3	90	9.51333	35.87	42.83	423.607	297.41	31.7633	695.707	14.78	115.727	8.72667	81.4933	9.95667	13555.4	21.63	6.82333	67.2067	15.9433	95.64	18.3433
PCN 128	3	90	9.40333	38.6333	43.32	260.77	322.377	30.36	756.14	14.2	133.843	7.61333	83.5	10.6567	8003.6	25.9067	5.88667	71.7233	16.55	91.4367	17.4767
PCN 129	3	90	8.02333	50.09	38.5033	677.943	201.633	24.5	463.897	11.5267	94.5067	7.67667	67.3567	11.55	12804.9	22.9067	4.54	63.3533	16.4933	77.26	19.0633

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 087	3	90	NA	-272.63	NA	-6958.59	NA	10.9967	-5307.9	NA	-236.08	NA	NA	-13.21	NA	-9.91333	NA	-25.3067	NA	NA	-135.107
PCN 088	3	90	NA	-203.463	NA	-10190.7	NA	-5.92333	-1587.77	NA	-47.5333	NA	NA	-7.52667	NA	NA	NA	-28.2567	NA	NA	-63.1367
PCN 089	3	90	NA	-250.69	NA	202.37	NA	-9.58333	-8406.8	NA	-440.01	-2.58333	NA	-11.3667	NA	NA	NA	-30.2	NA	NA	-155.5
PCN 090	3	90	NA	-204.907	NA	-4991.27	NA	-13.6467	-8791.32	NA	-432.963	NA	NA	-4.07667	NA	NA	NA	NA	NA	NA	-43.62
PCN 091	3	90	NA	-311.853	NA	-6396.25	NA	-6.46	-7786.42	NA	-229.713	NA	NA	-5.32333	NA	-15.9167	NA	-32.5067	NA	NA	-272.46
PCN 092	3	90	42.89	-31.87	NA	3100.03	NA	-2.02333	8577.73	NA	17.4033	0.07333	NA	4.32333	NA	NA	1.65333	NA	NA	NA	-9.78333
PCN 093	3	90	-4.16333	-143.913	NA	201.887	-53.1	-12.7567	6181.18	NA	17.95	1.19667	NA	4.12667	NA	NA	NA	NA	NA	NA	-13.6533
PCN 094	3	90	0.37	-196.14	NA	-1568.88	-85.7833	-35.7667	9860.61	NA	-226.32	-1.29	NA	-0.10333	NA	NA	3.73667	NA	NA	NA	-142.05
PCN 095	3	90	22.0067	-264.343	NA	-1688.67	-114.187	-22.1067	17810.9	NA	-246.113	-0.44667	NA	-10.2133	NA	-23.7233	18.1733	-72.9267	NA	NA	-8.33333
PCN 096	3	90	4.95	-114.52	NA	-1058.31	NA	-20.84	12670.6	NA	-427.777	-0.48667	NA	-4.42667	NA	NA	5.42	NA	NA	NA	-21.0467
PCN 097	3	90	17.47	-20.6067	NA	-2841	-58.0833	-7.34667	25160.6	NA	312.12	3.34	NA	1.54333	NA	NA	2.34667	NA	NA	NA	-15.5567
PCN 098	3	90	2.72	-87.0933	NA	-714.693	-62.8	-8.82333	25101.3	NA	157.947	0.4	NA	8.21333	NA	NA	NA	-21.2367	NA	NA	-2.82333
PCN 099	3	90	10.87	-144.183	NA	90.9933	NA	-6.55333	27636	NA	-59.9733	3.96333	-25.36	-2.85333	NA	-10.69	NA	-61.3733	NA	NA	-3.8
PCN 100	3	90	6.97333	7.88	NA	-2102.91	NA	-27.19	22088	NA	-87.4467	15.8167	NA	-3.04667	NA	NA	5.90333	NA	NA	NA	-20.0767
PCN 101	3	90	-2.17	-35.9767	NA	-1436.33	-73.6633	-26.6133	16931.4	NA	-132.47	-3.34333	NA	4.92333	NA	NA	5.78667	NA	NA	NA	-11.23
PCN 102	3	90	-2.50667	-57.2767	NA	143.983	-214.74	-33.55	27124	NA	-187.617	NA	NA	8.65333	NA	NA	5.11333	NA	NA	NA	-23.3467
PCN 103	3	90	-12.5167	-89.6333	NA	457.883	NA	-17.7733	19197.9	NA	-69.8367	0.82	NA	15.3967	NA	-20.31	2.03	-24.5733	NA	NA	-7.58333
PCN 104	2	90	1.62	-125.94	-31.86	NA	NA	-28.22	14494.5	NA	NA	-2.855	NA	-2.005	NA	NA	1.15	NA	NA	NA	-17.145
PCN 105	3	90	11.8733	-53.1867	NA	-5402.54	NA	-17.0233	24824.5	NA	-281.187	NA	NA	1.87333	NA	NA	4.66667	NA	NA	NA	-17.53
PCN 106	3	90	-6.63333	-204.55	NA	314.777	NA	-11.46	7204.81	NA	-182.967	-0.56	NA	7.42667	NA	-10.2433	2.07333	-34.9033	NA	NA	-21.9967
PCN 107	3	90	-38.94	-250.22	-16.7367	359.807	-152.877	-8.66	-22349.9	NA	-29.8867	1.1	NA	-42.2733	NA	-11.3633	-7.95	-35.2067	NA	NA	-16.4067
PCN 108	3	90	-0.21333	-144.133	NA	NA	-132.05	67.0267	25699	NA	-8.98667	3.29333	NA	-82.1033	NA	NA	8.02	NA	NA	NA	-9.95333
PCN 109	3	90	1.13	-186.653	NA	NA	NA	-3.82	15441.3	NA	NA	21.37	NA	-10.5467	NA	-10.1467	3.46667	-24.8967	NA	NA	-10.99
PCN 110	3	90	5.22667	-118.133	NA	419.593	-278.143	0.06	5162.33	NA	NA	5.98667	NA	-48.4733	NA	NA	5.41667	NA	NA	NA	-18.75
PCN 111	3	90	-0.54	-166.82	-19.7833	-1466.81	-166.657	-20.9133	-28304.5	NA	-98.7267	2.73333	NA	-6.86667	NA	NA	7.61	NA	NA	NA	-30.04
PCN 112	3	90	5.06333	-154.73	NA	-3173.3	NA	-19.7033	19396.4	NA	-361.217	-0.87667	NA	-1.55667	NA	NA	8.44667	NA	NA	NA	-25.3333
PCN 113	3	90	-0.72333	-9.74667	NA	-3069.21	NA	-17.4967	12929.1	NA	-41.5233	-2.19667	NA	-5.98	NA	NA	NA	NA	NA	NA	-2.69
PCN 114	3	90	-8.02667	-37.68	NA	-2624.68	NA	-18.7133	9209.02	NA	-87.2	0.13	NA	-9.33	NA	NA	NA	NA	NA	NA	-16.0867
PCN 115	3	90	-2.72667	12.26	-16.7567	-3122.58	-86.3167	-4.76667	20465.9	NA	110.377	2.88	-23.2533	-2.54333	NA	NA	NA	NA	NA	NA	-7.02667
PCN 116	3	90	6.78333	-96.93	NA	941.607	NA	15.3467	24260.7	NA	76.3367	-0.48667	NA	-0.21	NA	-8.33	1.14333	-59.4067	NA	NA	-3.9
PCN 117	3	90	-8.07667	-125.36	NA	NA	NA	2.89667	15214.4	NA	NA	NA	NA	5.3	NA	-13.1933	15.3067	-60.9033	NA	NA	-3.29333
PCN 118	3	90	-1.20667	-165.947	NA	NA	-138.743	-12.5533	13986.2	NA	NA	1.74	NA	-3.21	NA	-11.9933	8.76	-53.7833	NA	NA	-4.50667
PCN 119	3	90	-13.37	-120.573	-18.02	NA	NA	-14.8967	28052.7	NA	NA	1.44667	NA	-7.77	NA	NA	-0.29667	-30.3933	NA	NA	-50.8767
PCN 120	3	90	-5.08333	-119.73	NA	NA	NA	37.35	81164.3	NA	NA	NA	NA	-25.9033	NA	NA	2.69	NA	NA	NA	4.94
PCN 121	3	90	-27.6533	-172.1	-14.5633	NA	NA	-15.7467	11088.2	NA	NA	-3.15	NA	-3.75333	NA	-8.71333	0.55	-67.3667	NA	NA	-10.92
PCN 122	3	90	3.54667	-57.9633	NA	-2349.75	NA	-8.21667	18662.9	NA	400.23	NA	NA	0.45667	NA	NA	NA	NA	NA	NA	-5.85333
PCN 123	3	90	-4.11	-200.293	NA	-2337.37	NA	-21.2067	17562.3	NA	124.107	2.30333	NA	-2.36667	NA	-12.9767	NA	-60.9833	NA	NA	7.91
PCN 124	3	90	1.53667	-72.2633	NA	-1473.74	NA	9.55667	14374.9	NA	143.43	NA	NA	-4.83667	NA	NA	NA	NA	NA	NA	1.86
PCN 125	3	90	-8.58333	-125.707	NA	5123.06	NA	-8.56	10821.9	NA	461.41	NA	NA	6.05	NA	NA	NA	NA	NA	NA	6.12667
PCN 126	3	90	-7.19333	-47.9033	NA	-3770.4	NA	-1.03	7824.35	NA	309.18	NA	NA	NA	NA	NA	-1.71667	NA	NA	NA	12.9233
PCN 127	3	90	-3.93	-78.2033	NA	-1414.81	NA	-10.8667	15138.1	NA	234.29	NA	NA	-4.54	NA	-8.19	NA	NA	NA	NA	1.16333
PCN 128	3	90	-8.14667	-89.0467	NA	5115.96	NA	19.6367	7404.68	NA	-47.77	-1.49	NA	-1.09667	NA	NA	NA	NA	NA	NA	-3.02333
PCN 129	3	90	27.25	NA	NA	-7034.17	NA	2.69667	25409.3	NA	-52.9967	NA	NA	NA	NA	NA	-1.3	NA	NA	NA	-18.71

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 087	3	90	NA	-389	NA	-131	NA	44	-21	NA	-51	NA	NA	-147	NA	-2679	NA	-36152	NA	NA	-225
PCN 088	3	90	NA	-254	NA	-173	NA	-17	-6	NA	-8	NA	NA	-75	NA	NA	NA	-35321	NA	NA	-100
PCN 089	3	90	NA	-418	NA	2	NA	-38	-40	NA	-96	-197	NA	-142	NA	NA	NA	-50333	NA	NA	-151
PCN 090	3	90	NA	-410	NA	-100	NA	-65	-43	NA	-99	NA	NA	-51	NA	NA	NA	NA	NA	NA	-112
PCN 091	3	90	NA	-520	NA	-136	NA	-25	-34	NA	-53	NA	NA	-59	NA	-6122	NA	-65013	NA	NA	-172
PCN 092	3	90	19	-21	NA	66	NA	-3	22	NA	2	2	NA	29	NA	NA	37	NA	NA	NA	-17
PCN 093	3	90	-13	-90	NA	6	-156	-16	16	NA	4	28	NA	26	NA	NA	NA	NA	NA	NA	-18
PCN 094	3	90	1	-280	NA	-224	-1406	-97	22	NA	-148	-11	NA	-1	NA	NA	41	NA	NA	NA	-490
PCN 095	3	90	24	-881	NA	-130	-777	-53	24	NA	-71	-6	NA	-28	NA	-1614	48	-5323	NA	NA	-35
PCN 096	3	90	9	-127	NA	-48	NA	-42	27	NA	-56	-6	NA	-16	NA	NA	35	NA	NA	NA	-70
PCN 097	3	90	40	-17	NA	-65	-152	-9	45	NA	31	25	NA	6	NA	NA	50	NA	NA	NA	-26
PCN 098	3	90	7	-79	NA	-24	-203	-14	47	NA	22	4	NA	39	NA	NA	NA	-2413	NA	NA	-4
PCN 099	3	90	23	-131	NA	4	NA	-9	49	NA	-24	33	-634	-14	NA	-1909	NA	-6460	NA	NA	-8
PCN 100	3	90	14	6	NA	-96	NA	-42	37	NA	-26	71	NA	-16	NA	NA	69	NA	NA	NA	-42
PCN 101	3	90	-5	-26	NA	-51	-347	-39	31	NA	-34	-49	NA	26	NA	NA	69	NA	NA	NA	-21
PCN 102	3	90	-5	-48	NA	10	-1441	-71	41	NA	-61	NA	NA	38	NA	NA	62	NA	NA	NA	-90
PCN 103	3	90	-20	-100	NA	38	NA	-32	30	NA	-38	10	NA	43	NA	-2232	15	-2340	NA	NA	-42
PCN 104	2	90	4	-105	-1280	NA	NA	-46	26	NA	NA	-32	NA	-9	NA	NA	15	NA	NA	NA	-75
PCN 105	3	90	17	-33	NA	-174	NA	-35	40	NA	-82	NA	NA	6	NA	NA	47	NA	NA	NA	-70
PCN 106	3	90	-15	-256	NA	10	NA	-19	14	NA	-79	-7	NA	14	NA	-2498	18	-4533	NA	NA	-81
PCN 107	3	90	-97	-278	-158	60	-8993	-51	-65	NA	-71	20	NA	-88	NA	-2319	-109	-5255	NA	NA	-234
PCN 108	3	90	0	-111	NA	NA	-8803	76	31	NA	-18	15	NA	-66	NA	NA	34	NA	NA	NA	-38
PCN 109	3	90	2	-187	NA	NA	NA	-7	25	NA	NA	48	NA	-13	NA	-2742	25	-3890	NA	NA	-48
PCN 110	3	90	5	-197	NA	52	-13245	0	7	NA	NA	17	NA	-40	NA	NA	33	NA	NA	NA	-94
PCN 111	3	90	-1	-278	-430	-183	-10416	-58	-51	NA	-132	16	NA	-9	NA	NA	25	NA	NA	NA	-501
PCN 112	3	90	6	-516	NA	-122	NA	-55	23	NA	-181	-21	NA	-2	NA	NA	33	NA	NA	NA	-133
PCN 113	3	90	-2	-7	NA	-59	NA	-26	21	NA	-8	-23	NA	-17	NA	NA	NA	NA	NA	NA	-5
PCN 114	3	90	-26	-31	NA	-114	NA	-33	19	NA	-17	2	NA	-37	NA	NA	NA	NA	NA	NA	-55
PCN 115	3	90	-8	8	-1180	-89	-291	-7	35	NA	15	49	-258	-10	NA	NA	NA	NA	NA	NA	-19
PCN 116	3	90	9	-69	NA	59	NA	19	30	NA	60	-18	NA	-1	NA	-2450	7	-10608	NA	NA	-22
PCN 117	3	90	-15	-114	NA	NA	NA	9	21	NA	NA	NA	NA	15	NA	-2356	70	-6215	NA	NA	-66
PCN 118	3	90	-2	-151	NA	NA	-6607	-40	18	NA	NA	33	NA	-11	NA	-1538	52	-4445	NA	NA	-90
PCN 119	3	90	-22	-121	-197	NA	NA	-29	31	NA	NA	27	NA	-21	NA	NA	-2	-2951	NA	NA	-268
PCN 120	3	90	-6	-150	NA	NA	NA	31	56	NA	NA	NA	NA	-108	NA	NA	15	NA	NA	NA	13
PCN 121	3	90	-38	-287	-110	NA	NA	-36	14	NA	NA	-63	NA	-13	NA	-1013	4	-5182	NA	NA	-156
PCN 122	3	90	12	-48	NA	-94	NA	-12	37	NA	23	NA	NA	2	NA	NA	NA	NA	NA	NA	-14
PCN 123	3	90	-12	-200	NA	-93	NA	-28	32	NA	11	42	NA	-9	NA	-4055	NA	-9997	NA	NA	20
PCN 124	3	90	6	-43	NA	-35	NA	11	26	NA	17	NA	NA	-22	NA	NA	NA	NA	NA	NA	4
PCN 125	3	90	-75	-114	NA	33	NA	-13	19	NA	30	NA	NA	55	NA	NA	NA	NA	NA	NA	7
PCN 126	3	90	-43	-40	NA	-45	NA	-1	14	NA	31	NA	NA	NA	NA	NA	-17	NA	NA	NA	13
PCN 127	3	90	-22	-60	NA	-35	NA	-12	26	NA	36	NA	NA	-28	NA	-1780	NA	NA	NA	NA	2
PCN 128	3	90	-46	-68	NA	65	NA	19	13	NA	-8	-104	NA	-9	NA	NA	NA	NA	NA	NA	-5
PCN 129	3	90	73	NA	NA	-40	NA	4	52	NA	-16	NA	NA	NA	NA	NA	-15	NA	NA	NA	-22

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 087	3	90	0	383.36	0	17001.7	0	42.01	30322.9	0	742.73	0	0	24.3	0	30.85	0	76.13	0	0	214.42
PCN 088	3	90	0	332.09	0	16231.2	0	73.11	28804.8	0	754.59	0	0	21.85	0	0	0	85.01	0	0	134.52
PCN 089	3	90	0	333.18	0	17283.2	0	60.61	29813.4	0	982.46	11.68	0	20.79	0	0	0	90.78	0	0	268.36
PCN 090	3	90	0	288.62	0	20510.9	0	52.34	29112.1	0	917.22	0	0	20.6	0	0	0	0	0	0	87.95
PCN 091	3	90	0	439.89	0	15653.3	0	54.87	31944.2	0	738.67	0	0	22.59	0	48.53	0	97.67	0	0	439.05
PCN 092	3	90	185.34	204.24	0	1817.04	0	83.89	30973.2	0	760.37	9.41	0	18.28	0	0	8.54	0	0	0	79.04
PCN 093	3	90	41.11	310.06	0	5932.6	261.6	106.99	32462.9	0	475.85	9.37	0	19.71	0	0	0	0	0	0	91.79
PCN 094	3	90	70.96	326.43	0	3297.25	275.65	77.52	35041.5	0	433.69	14.91	0	23.11	0	0	8.57	0	0	0	176.63
PCN 095	3	90	74.17	386.69	0	4184.27	386.66	84.79	58448.3	0	672.46	12.11	0	52.96	0	42.89	20.26	136.72	0	0	37.47
PCN 096	3	90	65.35	227.6	0	6781.57	0	81.63	34746.1	0	1260.88	13.33	0	44.31	0	0	12.08	0	0	0	60.64
PCN 097	3	90	30.75	153.48	0	7497.39	288.85	113.08	30605.8	0	779.33	16.75	0	22.88	0	0	7.06	0	0	0	84.47
PCN 098	3	90	36.59	207.87	0	5162.05	281.1	95.81	30279.3	0	637.78	16.97	0	23.9	0	0	0	66.35	0	0	74.1
PCN 099	3	90	41.47	281.23	0	3050.53	0	83.14	30178.5	0	353.76	14.43	88.08	27.18	0	33.75	0	95.25	0	0	62.4
PCN 100	3	90	44.81	146.48	0	4514.27	0	92.86	38939.2	0	460.85	10.96	0	26.85	0	0	7.79	0	0	0	74.24
PCN 101	3	90	51.17	196.42	0	5901.22	284.59	117.23	38708.7	0	546.76	11.34	0	23.28	0	0	7.84	0	0	0	71.25
PCN 102	3	90	59.76	216.63	0	2747.87	380.89	89.92	40049.9	0	510.84	0	0	21.87	0	0	9.26	0	0	0	55.7
PCN 103	3	90	91.16	208.95	0	1318.51	0	81.14	46061.6	0	295.1	12.07	0	25.91	0	34.38	12.31	76.87	0	0	28.2
PCN 104	2	90	44.17	250.2	68.7	0	0	97.22	42412.1	0	0	13.51	0	25.92	0	0	13.1	0	0	0	44.52
PCN 105	3	90	66.58	246.72	0	9141.85	0	71.3	38196	0	664.12	0	0	37.5	0	0	7.94	0	0	0	52.56
PCN 106	3	90	56.12	313.25	0	5753.24	0	90.1	44731.9	0	473.95	13.95	0	56.02	0	31.96	10.33	107.02	0	0	59.76
PCN 107	3	90	89.24	364.07	82.01	720.58	463.73	76.98	57497.3	0	215.66	12.99	0	95.47	0	35.56	16.49	107.63	0	0	39.45
PCN 108	3	90	58.91	310.79	0	0	400.65	62.92	59703.2	0	176.96	21.64	0	222.42	0	0	18.58	0	0	0	44.4
PCN 109	3	90	65.69	303.16	0	0	0	66.95	47919.3	0	0	23.84	0	95.26	0	31.55	12.09	76.61	0	0	45.53
PCN 110	3	90	111.32	214.79	0	458.1	421.03	84.16	71134.4	0	0	33.47	0	182.15	0	0	19.87	0	0	0	48.7
PCN 111	3	90	122.67	251.72	73.15	3133.59	504.77	87.9	86029.9	0	278.46	18.08	0	98.8	0	0	26.52	0	0	0	42.12
PCN 112	3	90	82.75	199.33	0	8720.43	0	69.28	66989.7	0	697.68	15.44	0	93.97	0	0	24.17	0	0	0	48.64
PCN 113	3	90	51.72	163.3	0	11080.4	0	114.24	49321.4	0	615.06	15.12	0	44.72	0	0	0	0	0	0	60.21
PCN 114	3	90	44.4	194.48	0	4958.02	0	92.42	41181.5	0	625.43	13.9	0	35.89	0	0	0	0	0	0	54.64
PCN 115	3	90	37.68	162.6	54.53	7006.87	348.05	81.45	38342.4	0	710.83	9.06	96.76	35.59	0	0	0	0	0	0	49.71
PCN 116	3	90	74.62	285.94	0	1585.23	0	71.91	56692.9	0	151.99	9.53	0	42.54	0	26.01	17.33	102.73	0	0	40.81
PCN 117	3	90	68.27	267.94	0	0	0	48.34	57398.1	0	0	0	0	42.71	0	41.26	11.63	111.69	0	0	24.88
PCN 118	3	90	81.11	300.61	0	0	422.53	86.33	66652.8	0	0	10.74	0	37.58	0	38.32	14.21	91.39	0	0	28.52
PCN 119	3	90	76.15	269.2	81.48	0	0	77.48	63288.8	0	0	11.83	0	54.11	0	0	19.95	94.27	0	0	73.48
PCN 120	3	90	89.66	247.17	0	0	0	114.29	64269	0	0	0	0	58.85	0	0	17.99	0	0	0	37.33
PCN 121	3	90	102.42	258.71	83.29	0	0	75.35	71853.3	0	0	13.84	0	39.8	0	28.72	14.77	117	0	0	29
PCN 122	3	90	27.22	198.44	0	5126.05	0	90.66	33162.2	0	1421.21	0	0	28.86	0	0	0	0	0	0	64.16
PCN 123	3	90	38.8	312.62	0	5120.89	0	119.07	39162.1	0	1045.93	9.44	0	30.52	0	39.89	0	98.19	0	0	40.63
PCN 124	3	90	29.19	252.79	0	7561.76	0	99.46	42443.2	0	763.66	0	0	29.09	0	0	0	0	0	0	52.83
PCN 125	3	90	22.87	257.85	0	21546.5	0	97.79	46985.1	0	1108.1	0	0	14.85	0	0	0	0	0	0	93.48
PCN 126	3	90	26.21	176.63	0	12966.7	0	164.51	46881.1	0	711.98	0	0	0	0	0	15.05	0	0	0	95.15
PCN 127	3	90	24.28	215.32	0	7401.42	0	111.14	42727.9	0	530.46	0	0	25.24	0	25.95	0	0	0	0	80.76
PCN 128	3	90	30.9	229.2	0	2926.94	0	104.74	51229.7	0	691.83	8.76	0	24.94	0	0	0	0	0	0	66.8
PCN 129	3	90	17.29	0	0	51935.5	0	78.87	23615.1	0	438.71	0	0	0	0	0	11.35	0	0	0	115.48

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 087	1	180	3.6	70	0.23	5300	7.9	25	24700	0.01	460	1.07	4	9	300	0.37	0.6	0.07	1.02	-0.05	60
PCN 088	1	180	4.9	80	0.27	5900	11.1	34	27100	0.02	623	1.18	5	10	300	0.36	0.8	0.08	1.04	-0.05	63
PCN 089	1	180	3.2	60	0.2	12500	7.9	25	20800	0.02	458	1.31	4	8	200	0.27	0.7	0.06	0.78	-0.05	103
PCN 090	1	180	2.8	50	0.18	5000	6.6	21	20300	0.01	438	0.97	4	8	200	0.37	0.6	0.05	0.7	-0.05	39
PCN 091	1	180	3.8	60	0.23	4700	8.9	26	23200	0.01	435	1.01	4	9	100	0.26	0.9	0.05	0.96	-0.05	158
PCN 092	1	180	220	150	0.72	4700	29.5	71	39200	0.03	704	3.21	11	15	300	0.95	4.5	0.45	0.96	-0.05	58
PCN 093	1	180	31.7	160	1.14	3200	34.1	80	37900	0.02	453	4.32	10	16	500	0.39	4.4	0.7	1.27	-0.05	75
PCN 094	1	180	65.9	70	1.25	700	6.1	37	44000	0.01	153	11.75	2	19	4100	0.81	9.1	1.21	0.52	-0.05	29
PCN 095	1	180	90.6	30	6.71	1300	14.7	42	74800	0.02	347	7.41	4	37	8700	1.47	37.6	1.37	0.27	-0.05	24
PCN 096	1	180	54.9	90	6.34	2200	15.3	50	46200	0.03	767	8.09	5	28	1400	1.17	15.7	0.76	0.39	-0.05	30
PCN 097	1	180	44.2	120	1.94	4400	38.2	83	55300	0.04	1020	13.15	7	24	800	0.51	4.7	0.8	0.77	-0.05	60
PCN 098	1	180	38.9	110	1.72	3000	30.9	64	53700	0.03	734	10.4	5	21	800	0.63	4.7	0.88	0.56	-0.05	65
PCN 099	1	180	47.1	110	2.49	2200	12.7	69	56700	0.02	248	11.9	4	20	800	0.56	8.1	0.95	0.61	-0.05	46
PCN 100	1	180	50	140	2.04	2200	13	64	59700	0.03	336	22.4	4	19	1300	0.74	8.5	1.14	0.56	-0.05	48
PCN 101	1	180	44.7	140	2.13	2800	21.2	69	54900	0.04	389	6.87	5	19	1500	0.46	8.4	0.8	0.59	-0.05	54
PCN 102	1	180	50.9	120	2.57	1500	14.9	47	65400	0.04	307	8.64	5	23	1000	0.9	8.2	1.34	0.38	0.06	26
PCN 103	1	180	63.1	90	6.4	1200	9.2	56	64400	0.03	186	8.3	3	36	3400	0.91	13.6	1.05	0.25	0.07	18
PCN 104	1	180	43.6	120	2.49	700	5.2	61	55400	0.02	105	8.84	3	22	600	0.56	7.7	0.76	0.39	-0.05	23
PCN 105	1	180	68.9	160	4.02	3100	8.9	48	62800	0.02	345	7.87	3	31	1300	0.72	9.9	1.23	0.32	-0.05	25
PCN 106	1	180	44.6	80	5.67	3100	8.8	61	51600	0.03	231	8.03	3	52	4100	0.41	11.3	0.77	0.37	-0.05	27
PCN 107	1	180	40.2	90	10.6	600	1.7	17	34300	0.01	42	5.43	1	48	2500	0.49	7.3	0.67	0.13	-0.05	7
PCN 108	1	180	51.9	130	3.81	500	1.5	88	83000	0.01	50	22	1	125	1700	0.35	23.8	1.01	0.28	-0.05	26
PCN 109	1	180	50.9	100	5.14	700	1.7	57	62700	0.01	49	44.3	1	82	600	0.37	14	0.64	0.36	-0.05	23
PCN 110	1	180	110	60	5.36	800	2.1	65	74000	0.01	64	34.6	1	122	4700	0.29	16.5	0.58	0.19	-0.05	20
PCN 111	1	180	108	60	4.6	800	1.6	36	55200	-0.01	75	17.05	1	80	5200	0.47	30.3	0.23	0.09	-0.05	6
PCN 112	1	180	83.4	30	8.07	2600	7.1	36	85800	0.02	200	4.27	2	83	11400	0.5	25.9	0.52	0.08	-0.05	19
PCN 113	1	180	47.7	140	2.97	5200	18.8	68	61500	0.02	547	9.73	7	35	800	0.65	6	0.6	0.45	-0.05	57
PCN 114	1	180	31	120	1.5	2300	17.3	57	49600	0.05	500	7.84	8	25	400	0.51	3.6	0.46	0.44	-0.05	29
PCN 115	1	180	32.6	160	1.42	3500	29.7	69	58400	0.04	739	5.9	9	26	400	0.49	2.8	0.56	0.65	-0.05	37
PCN 116	1	180	75.7	140	6.92	1600	7.1	81	80000	0.03	127	2.69	2	36	1700	0.34	16.2	0.56	0.22	-0.05	18
PCN 117	1	180	55	110	10.15	800	2.3	34	72400	0.02	83	3.53	1	35	2700	0.56	21.9	0.98	0.11	-0.05	5
PCN 118	1	180	78.5	110	10.25	400	2.1	31	79600	0.01	48	5.32	1	29	3300	0.78	16.7	1.21	0.1	-0.05	5
PCN 119	1	180	60.2	100	9.14	400	1.8	51	90300	0.01	34	5.39	1	37	2700	0.5	17	1.03	0.09	-0.05	19
PCN 120	1	180	79.7	80	7.33	800	3.6	119	145000	0.03	60	3.09	1	24	1200	0.63	18	1.14	0.21	-0.05	37
PCN 121	1	180	73.7	60	13.2	300	2.3	44	79100	0.02	58	4.97	1	30	1400	0.86	13.9	1.3	0.12	-0.05	7
PCN 122	1	180	29.5	120	2.96	2500	34.5	67	50500	0.04	1730	4.81	7	26	700	0.47	2.6	0.69	0.6	-0.05	43
PCN 123	1	180	32.9	100	3.17	2500	27.8	77	55400	0.04	1110	5.45	8	26	500	0.32	3	0.61	0.62	-0.05	39
PCN 124	1	180	27.8	170	2.27	4200	21.8	86	55300	0.04	865	3.7	8	22	500	0.28	3.2	0.53	0.64	-0.05	53
PCN 125	1	180	11.4	110	1.65	15500	32.3	65	57400	0.06	1520	0.9	7	11	200	0.29	1.7	0.18	0.64	-0.05	93
PCN 126	1	180	16.6	120	0.72	8400	49	119	54000	0.06	992	2.36	14	10	500	0.27	10	0.29	0.92	-0.05	96
PCN 127	1	180	18.1	130	1.22	4000	30	91	57700	0.05	646	3.26	9	16	1000	0.46	3.8	0.74	0.97	-0.05	67
PCN 128	1	180	17.8	130	1.32	7900	25.7	104	57900	0.04	580	1.43	9	12	800	0.24	2.7	0.51	1.16	-0.05	56
PCN 129	1	180	37.1	90	3.88	17600	12.4	62	48700	0.08	323	2.82	7	7	1700	0.83	8.9	0.95	0.53	-0.05	87

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 087	1	180	LOD	391.93	LOD	7842.13	LOD	30.96	21028.1	LOD	388.16	LOD	LOD	9.21	LOD	24.66	LOD	84.15	LOD	LOD	76.64
PCN 088	1	180	LOD	405.27	LOD	2009.58	LOD	43.83	23046.6	LOD	556.08	LOD	LOD	18.24	LOD	32.06	LOD	84.33	LOD	LOD	60.99
PCN 089	1	180	LOD	434.62	LOD	8544.28	LOD	41.56	20200.1	LOD	566.49	LOD	LOD	9.04	LOD	28.88	LOD	114.51	LOD	LOD	267.84
PCN 090	1	180	LOD	396.51	LOD	9375.77	218.02	65.34	25319.6	LOD	814.57	LOD	LOD	19.06	LOD	30.46	LOD	LOD	LOD	LOD	60.83
PCN 091	1	180	8.23	414.48	LOD	7426.28	LOD	41.61	24642	LOD	387.18	LOD	LOD	11.26	LOD	21.53	LOD	102.73	LOD	LOD	209.48
PCN 092	1	180	183.62	322.98	LOD	1360.67	197.48	63.12	25836.5	LOD	559.94	9.14	LOD	16.47	LOD	21.84	LOD	93.43	LOD	LOD	58.63
PCN 093	1	180	30.76	279.47	LOD	2540.45	LOD	91.65	26336.8	LOD	363.88	10.38	LOD	16.12	LOD	37.24	LOD	LOD	LOD	LOD	81.76
PCN 094	1	180	25.29	765.54	LOD	1813.47	LOD	54.2	16809.2	LOD	296.1	LOD	LOD	27.28	LOD	54.57	LOD	201.59	LOD	LOD	185.93
PCN 095	1	180	51	138.91	LOD	3785.11	LOD	74.95	37690.8	LOD	377.27	9.84	LOD	40.63	LOD	LOD	12.95	LOD	LOD	LOD	33.02
PCN 096	1	180	35.5	278.86	LOD	725.29	241.74	64.68	28913.8	LOD	917.45	7.29	LOD	35.31	LOD	20.1	12.19	60.57	LOD	LOD	52.8
PCN 097	1	180	32.7	112.92	LOD	3970.92	LOD	108.11	36221.8	LOD	867.1	16.01	LOD	22.4	LOD	LOD	LOD	LOD	LOD	122.79	68.36
PCN 098	1	180	25.65	159.45	LOD	3996.33	LOD	72.52	27501.7	LOD	508.99	11.84	LOD	22.48	LOD	LOD	LOD	LOD	LOD	LOD	77.71
PCN 099	1	180	38.93	176.56	LOD	661.4	279.77	99.8	29219.4	LOD	298.77	16.25	LOD	19.18	LOD	LOD	LOD	LOD	LOD	LOD	53.55
PCN 100	1	180	34.41	190.33	LOD	3969.76	240.38	81.03	33352.5	LOD	317.37	9.15	LOD	23.88	LOD	LOD	6.11	LOD	LOD	LOD	54.74
PCN 101	1	180	39.08	182.69	LOD	1098.04	251.34	94.56	35829.2	LOD	432.22	13.14	LOD	14.84	LOD	LOD	7.11	LOD	LOD	LOD	72.22
PCN 102	1	180	38.08	143.96	LOD	452.49	234.1	90.7	35565.6	LOD	270.74	13.3	LOD	19.59	LOD	LOD	7.1	LOD	LOD	LOD	43.4
PCN 103	1	180	62.92	223.31	LOD	1392.4	257.17	91.04	39740.9	LOD	233.94	11.56	LOD	27.46	LOD	LOD	8.51	LOD	LOD	LOD	17.25
PCN 104	1	180	33.27	370.32	LOD	1216.69	LOD	59.2	34202.8	LOD	186.71	10.41	LOD	25.89	LOD	29.67	LOD	98.78	LOD	LOD	36.23
PCN 105	1	180	54	340.39	LOD	4609.05	LOD	79.96	33911.3	LOD	435.37	6.89	LOD	23.81	LOD	37.79	6.98	LOD	LOD	LOD	37.54
PCN 106	1	180	43.49	399.72	LOD	653.56	LOD	65.55	40871.4	LOD	243.87	7.94	LOD	34.22	LOD	38.58	7.63	150.72	LOD	LOD	28.41
PCN 107	1	180	29.52	362.27	LOD	LOD	LOD	40.67	19210.7	LOD	LOD	5.23	LOD	16.22	LOD	72.21	4.6	237.42	LOD	LOD	34.38
PCN 108	1	180	35.62	399.28	LOD	145.46	308.95	70.92	43501.7	LOD	LOD	12.36	LOD	110.79	LOD	78.64	12.52	174.28	LOD	LOD	25.89
PCN 109	1	180	42.47	469.62	LOD	522.76	247.52	61.54	38018.7	LOD	LOD	31.78	LOD	72.9	LOD	80.97	6.81	170.89	LOD	LOD	28.87
PCN 110	1	180	66.16	346.28	LOD	914.99	LOD	58.58	58519.6	LOD	120.66	14.59	LOD	106.29	LOD	37.28	27.36	153.09	LOD	LOD	17.88
PCN 111	1	180	73.24	423.92	LOD	1418.29	LOD	45.78	38419.5	LOD	LOD	15.33	LOD	31.01	LOD	101.18	19.67	312.84	LOD	LOD	15.49
PCN 112	1	180	71.36	334.09	LOD	547.74	LOD	70.29	67210.1	LOD	353.14	8.54	LOD	120.92	LOD	51.3	17.33	138.82	LOD	LOD	26.09
PCN 113	1	180	45.73	259.95	LOD	1605.69	330.72	81.22	42012.1	LOD	452.81	9.65	LOD	32.26	LOD	LOD	5.14	LOD	LOD	LOD	72.82
PCN 114	1	180	46.53	214.82	LOD	719.25	303.36	76.29	41672.3	LOD	398.51	12.04	LOD	28.74	LOD	LOD	LOD	LOD	LOD	LOD	40.24
PCN 115	1	180	38.37	217.84	LOD	4114.58	272.8	77.27	35873.8	LOD	514.26	9.98	LOD	28.06	LOD	LOD	LOD	LOD	LOD	LOD	41.65
PCN 116	1	180	69.77	269.43	LOD	1403.42	368.67	73.14	47975.9	LOD	129.76	6.78	LOD	33.65	LOD	LOD	13.69	LOD	LOD	LOD	39.53
PCN 117	1	180	58.54	310.16	45.57	245.36	295.38	62.5	48055.7	LOD	LOD	11.82	LOD	18.64	LOD	25.74	14.99	70.76	LOD	LOD	12.81
PCN 118	1	180	70.36	281.54	LOD	LOD	403.34	61.74	53162.3	LOD	105.03	10.62	LOD	26.35	LOD	24.8	9.97	LOD	LOD	LOD	16.25
PCN 119	1	180	62.69	291.13	44.76	LOD	502.56	62.55	49083.9	LOD	LOD	9.15	LOD	32.91	LOD	LOD	11.27	LOD	LOD	LOD	34.71
PCN 120	1	180	80.75	108.96	64.38	345.6	556.95	79.06	57856.1	LOD	LOD	12.56	LOD	47.7	LOD	LOD	16	LOD	LOD	LOD	30.29
PCN 121	1	180	75.62	253.92	40.99	LOD	561.25	54.59	58754.9	LOD	LOD	10.69	LOD	40.77	LOD	LOD	12.45	LOD	LOD	LOD	16.98
PCN 122	1	180	27.4	219.15	LOD	4849.89	206.41	93.27	29977.6	LOD	1078.53	LOD	LOD	24.09	LOD	LOD	LOD	LOD	LOD	LOD	33.6
PCN 123	1	180	33.99	253.77	LOD	3025.4	208.36	77.61	31608.5	LOD	737.51	12.22	LOD	26.37	LOD	LOD	LOD	LOD	LOD	LOD	41.7
PCN 124	1	180	28.45	233.69	LOD	4648.58	251.7	94.46	33298	LOD	549.79	9.48	LOD	18.36	LOD	LOD	LOD	LOD	LOD	LOD	49.18
PCN 125	1	180	24.38	274.64	LOD	12856.5	334.66	70.79	41299.9	LOD	793.65	6.84	LOD	11.47	LOD	LOD	LOD	LOD	LOD	LOD	71.27
PCN 126	1	180	21.14	185.3	LOD	1509.31	391.48	107.07	40178.4	LOD	527.85	LOD	LOD	13.32	LOD	LOD	11.15	LOD	LOD	LOD	96.77
PCN 127	1	180	23.42	245.55	LOD	5873.61	LOD	94.58	38168.6	LOD	324.14	11.04	LOD	17.74	LOD	LOD	5.45	LOD	LOD	LOD	72.56
PCN 128	1	180	24.24	293.42	LOD	6040.8	362.2	76.41	40615.3	LOD	419.82	LOD	LOD	17.74	LOD	34.34	LOD	100.66	LOD	LOD	37.5
PCN 129	1	180	9.83	LOD	LOD	25293.5	170.04	66.08	20713.8	LOD	289.03	LOD	LOD	LOD	LOD	LOD	9.14	LOD	LOD	LOD	101.96

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 087	1	180	6.92	26.64	24.78	339.08	139.27	17.44	327.27	9.66	70.62	5.65	53.51	5.64	10635.7	11.65	3.91	32.27	11.15	62.29	12.65
PCN 088	1	180	7.85	26.56	30.8	155.07	146.8	18.24	344.37	9.61	80.35	5.81	52.69	6.37	4171.35	11.66	3.6	32.09	11.72	62.95	11.85
PCN 089	1	180	6.67	28.9	25.29	351	134.85	17.22	310.91	9.12	77.38	5.45	51.85	5.51	9773.25	12.57	3.89	34.97	11.39	61.91	20.34
PCN 090	1	180	8.23	33.55	27.05	357.29	110.44	20.8	378.04	10.54	97.39	6.07	57.49	6.92	9376.17	14.74	4.49	60.49	12.04	68.38	12.58
PCN 091	1	180	5.04	26.77	30.15	337.48	149.91	18.05	354.65	9.53	71.68	5.79	52.91	5.86	10184.7	11.62	4.07	32.44	11.9	63.1	18.89
PCN 092	1	180	12.2	26.48	34.64	135.13	107.68	19.74	369.86	9.95	82.79	4.06	55.48	6.45	5047.25	11.74	4.48	32.69	11.35	63.41	11.89
PCN 093	1	180	7.83	34.22	36.35	224.16	182.97	26.31	431.97	12.29	84.29	4.82	68.61	7.59	9232.3	15.52	5.47	63.03	14.5	81.14	15.83
PCN 094	1	180	7.96	37.61	37.25	203.51	143.33	23.56	339.9	12.33	75.41	6.89	66.6	8.29	8191.25	15.65	5.18	43.55	11.22	81	21.15
PCN 095	1	180	9.42	31.39	37.77	278.57	203.83	22.78	481.32	11.13	83.09	4.33	61.99	9.06	11242.4	21.3	4.14	58.6	11.91	72.43	11.27
PCN 096	1	180	8.16	26.68	35.3	107.8	118.11	20.91	404.98	11.1	102.65	4.17	59.63	8.36	4940.07	11.93	3.95	32.99	11.23	70.9	12.25
PCN 097	1	180	8.77	37.52	44.73	261.57	229.57	29.48	534.95	14.3	121.5	5.22	73.6	8.54	9223.58	25.54	6.29	71.23	13.94	67.54	16.65
PCN 098	1	180	6.39	29.91	30.96	286.08	155.8	18.79	361.65	9.1	75.88	3.89	51.73	6.51	9799.94	20.41	4.12	56.51	10.34	59.24	12.31
PCN 099	1	180	6.95	30.15	29.98	113.28	110.75	20.41	377.62	9.23	66.31	4.05	51.19	6.39	4072.17	20.39	4.32	55.77	10.34	61.98	11.19
PCN 100	1	180	6.95	24.12	29.46	293.54	116.81	19.46	402.25	9.42	68.69	3.87	53.13	6.75	10920.3	16.14	3.08	44.82	10.13	60.85	11.16
PCN 101	1	180	6.95	24.18	30.12	130.33	123.63	20.72	426.27	9.99	76.84	4.03	54.22	6.32	4666.38	16.33	3.2	44.84	10.52	61.09	12.49
PCN 102	1	180	7.09	28.83	31.35	114.53	122.82	20.58	424.09	10.03	68.19	4.04	55.75	6.63	3762.04	19.22	3.26	53.68	9.54	64.96	10.79
PCN 103	1	180	8.3	29.24	30.22	245.91	127.48	19.93	440.58	9.42	65.7	3.89	51.69	7.07	12478.5	19.82	3.24	54.83	8.76	58.29	8.4
PCN 104	1	180	7.56	27.88	33.56	224.02	189.77	20.54	441.04	10.71	66.3	4.24	57.37	7.38	8854.76	12.32	4.76	34.12	10.09	66.6	10.82
PCN 105	1	180	8.56	28.06	31.45	283.22	192.06	22.18	445.33	10.91	82.48	4.2	59.05	7.48	8818.14	12.57	3.59	51.02	11.08	71.38	11.32
PCN 106	1	180	8.24	27.7	35.4	114.66	202.41	20.26	470.65	10.37	71.07	4.07	59.1	7.92	4809.07	12.26	3.35	34.13	10.66	64.13	9.89
PCN 107	1	180	5.75	30.24	26.83	131.06	117.37	14.92	278.44	7.7	55.47	3.36	42.66	5.5	4617.95	13.96	2.48	38.48	6.77	47.88	8.39
PCN 108	1	180	12.62	38.63	43.92	88.04	165.99	26.3	572.11	12.87	111.6	4.92	72.85	14.22	4988.1	17.69	4.84	47.92	11.54	90.54	12.46
PCN 109	1	180	9.37	33.71	32.97	208.03	127.82	19.21	441.5	9.59	84.29	4.35	55.92	9.87	10184.6	15.26	3.24	41.12	10.71	62.2	9.6
PCN 110	1	180	13.27	38.24	47.34	209.39	271.92	24.43	643.04	12.8	79.32	4.77	73.33	13.84	10043.8	17.12	5.67	47.7	11.9	82.06	10.95
PCN 111	1	180	9.64	30.17	33.06	227.69	197.79	20.02	470.85	10.65	93.55	4.28	56.78	8.19	10235.2	14.07	4.46	38.57	9.05	68.53	9.23
PCN 112	1	180	12.36	27.61	40.63	118.65	262.87	20.97	614.97	10.91	85.98	4.1	60.4	12.84	4814.17	12.55	4.38	34.43	10.74	69.7	10.23
PCN 113	1	180	7.85	31.24	29.4	150.61	132.79	19.73	456.59	9.98	79.21	3.88	53.04	7.36	5282.68	20.84	3.1	57.5	9.99	65.3	12.58
PCN 114	1	180	7.95	25.39	29.61	110.49	135.72	20.27	467.68	9.4	78.26	4.08	55.88	7.26	3766.26	17.17	4.31	47.28	10.35	61.42	10.57
PCN 115	1	180	7.5	29.84	30.64	298.47	125.05	20.04	430.21	9.8	81.55	4.02	52.91	7.17	10149.6	19.86	4.36	55.01	10.54	64.63	10.77
PCN 116	1	180	9.21	31.06	36.4	252.31	146.69	20.28	504.77	10.45	64.88	3.91	56.74	7.95	11456.1	20.84	3.89	57.51	9.72	67.51	10.87
PCN 117	1	180	8.13	26.01	24.51	93.73	144.17	19.33	499.12	10	89.29	4	56.05	6.9	3093.48	11.6	3.89	32.01	9.62	60.59	8.28
PCN 118	1	180	8.93	32.16	35.7	118.57	153.9	19.55	529.93	10.19	65.52	4.06	57.68	7.36	4391.35	14.42	3.55	59.53	10.7	62.74	8.76
PCN 119	1	180	8.8	32.31	24.67	314.87	148.05	19.18	504.35	9.82	92.19	3.95	52.76	7.77	11458.3	21.31	3.62	59.51	9.66	60.81	10.11
PCN 120	1	180	10.33	24.39	28.16	221.72	165.6	21.22	565.72	10.91	98.69	4.15	60.41	9.07	12359.8	16.34	4.2	45.23	9.88	68.27	10.44
PCN 121	1	180	9.94	26.27	25.93	115.03	167.76	19.95	573.3	10.54	97.08	4.15	58.83	8.65	4346.75	17.58	3.94	48.62	9.69	68.44	9.35
PCN 122	1	180	6.62	24.24	29.57	314.58	110.98	20.15	383.01	9.33	101.56	5.74	52.65	6.66	11186.8	16.37	3.87	45.04	11.2	62.54	9.88
PCN 123	1	180	7.02	24.68	26.9	272.27	113.78	19.3	392.98	9.76	88.51	3.95	50.58	6.84	10122.6	16.48	3.9	45.68	11.15	62.63	10.47
PCN 124	1	180	6.43	29	28.64	305.54	117.45	20.25	404.06	9.69	80.79	3.88	53.45	6.29	10267.1	19.35	3.97	53.39	10.84	60.24	10.88
PCN 125	1	180	6.07	32.25	32.26	452.01	134.47	19.8	462.06	9.71	95.39	3.88	56.49	5.93	12932.4	21.39	4.24	59.62	10.94	64.69	12.68
PCN 126	1	180	6.01	24.45	29.88	139.99	132.78	21.48	453.15	10.01	83.27	5.77	56.86	6.29	3944.01	16.45	3.51	45.73	10.9	62.12	13.96
PCN 127	1	180	6.25	29.43	29.86	342.25	187.74	20.54	437.41	9.38	71.42	3.96	53.92	6.39	10986.6	19.59	3	54.62	10.59	59.88	12.39
PCN 128	1	180	6.96	28.73	30.68	312.82	145.95	22.86	499.59	11.38	85.57	6.29	64.9	7.03	10137.8	12.98	4.96	35.79	11.24	73.02	11.63
PCN 129	1	180	4.45	30.33	23.42	563.65	86.63	16.94	296.4	8.29	59.02	5.15	44.72	7.79	12818.7	13.93	2.97	38.37	11.15	53.54	12.8

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 087	1	180	NA	-321.93	NA	-2542.13	NA	-5.96	3671.88	NA	71.84	NA	NA	-0.21	NA	-24.29	NA	-84.08	NA	NA	-16.64
PCN 088	1	180	NA	-325.27	NA	3890.42	NA	-9.83	4053.36	NA	66.92	NA	NA	-8.24	NA	-31.7	NA	-84.25	NA	NA	2.01
PCN 089	1	180	NA	-374.62	NA	3955.72	NA	-16.56	599.91	NA	-108.49	NA	NA	-1.04	NA	-28.61	NA	-114.45	NA	NA	-164.84
PCN 090	1	180	NA	-346.51	NA	-4375.77	-211.42	-44.34	-5019.57	NA	-376.57	NA	NA	-11.06	NA	-30.09	NA	NA	NA	NA	-21.83
PCN 091	1	180	-4.43	-354.48	NA	-2726.28	NA	-15.61	-1442.02	NA	47.82	NA	NA	-2.26	NA	-21.27	NA	-102.68	NA	NA	-51.48
PCN 092	1	180	36.38	-172.98	NA	3339.33	-167.98	7.88	13363.5	NA	144.06	-5.93	NA	-1.47	NA	-20.89	NA	-92.98	NA	NA	-0.63
PCN 093	1	180	0.94	-119.47	NA	659.55	NA	-11.65	11563.2	NA	89.12	-6.06	NA	-0.12	NA	-36.85	NA	NA	NA	NA	-6.76
PCN 094	1	180	40.61	-695.54	NA	-1113.47	NA	-17.2	27190.8	NA	-143.1	NA	NA	-8.28	NA	-53.76	NA	-200.38	NA	NA	-156.93
PCN 095	1	180	39.6	-108.91	NA	-2485.11	NA	-32.95	37109.2	NA	-30.27	-2.43	NA	-3.63	NA	NA	24.65	NA	NA	NA	-9.02
PCN 096	1	180	19.4	-188.86	NA	1474.71	-226.44	-14.68	17286.2	NA	-150.45	0.8	NA	-7.31	NA	-18.93	3.51	-59.81	NA	NA	-22.8
PCN 097	1	180	11.5	7.08	NA	429.08	NA	-25.11	19078.2	NA	152.9	-2.86	NA	1.6	NA	NA	NA	NA	NA	-122.84	-8.36
PCN 098	1	180	13.25	-49.45	NA	-996.33	NA	-8.52	26198.3	NA	225.01	-1.44	NA	-1.48	NA	NA	NA	NA	NA	NA	-12.71
PCN 099	1	180	8.17	-66.56	NA	1538.6	-267.07	-30.8	27480.6	NA	-50.77	-4.35	NA	0.82	NA	NA	NA	NA	NA	NA	-7.55
PCN 100	1	180	15.59	-50.33	NA	-1769.76	-227.38	-17.03	26347.5	NA	18.63	13.25	NA	-4.88	NA	NA	2.39	NA	NA	NA	-6.74
PCN 101	1	180	5.62	-42.69	NA	1701.96	-230.14	-25.56	19070.8	NA	-43.22	-6.27	NA	4.16	NA	NA	1.29	NA	NA	NA	-18.22
PCN 102	1	180	12.82	-23.96	NA	1047.51	-219.2	-43.7	29834.4	NA	36.26	-4.66	NA	3.41	NA	NA	1.1	NA	NA	NA	-17.4
PCN 103	1	180	0.18	-133.31	NA	-192.4	-247.97	-35.04	24659.1	NA	-47.94	-3.26	NA	8.54	NA	NA	5.09	NA	NA	NA	0.75
PCN 104	1	180	10.33	-250.32	NA	-516.69	NA	1.8	21197.2	NA	-81.71	-1.57	NA	-3.89	NA	-29.11	NA	-98.02	NA	NA	-13.23
PCN 105	1	180	14.9	-180.39	NA	-1509.05	NA	-31.96	28888.7	NA	-90.37	0.98	NA	7.19	NA	-37.07	2.92	NA	NA	NA	-12.54
PCN 106	1	180	1.11	-319.72	NA	2446.44	NA	-4.55	10728.6	NA	-12.87	0.09	NA	17.78	NA	-38.17	3.67	-149.95	NA	NA	-1.41
PCN 107	1	180	10.68	-272.27	NA	NA	NA	-23.67	15089.3	NA	NA	0.2	NA	31.78	NA	-71.72	2.7	-236.75	NA	NA	-27.38
PCN 108	1	180	16.28	-269.28	NA	354.54	-307.45	17.08	39498.3	NA	NA	9.64	NA	14.21	NA	-78.29	11.28	-173.27	NA	NA	0.11
PCN 109	1	180	8.43	-369.62	NA	177.24	-245.82	-4.54	24681.3	NA	NA	12.52	NA	9.1	NA	-80.6	7.19	-170.25	NA	NA	-5.87
PCN 110	1	180	43.84	-286.28	NA	-114.99	NA	6.42	15480.4	NA	-56.66	20.01	NA	15.71	NA	-36.99	-10.86	-152.51	NA	NA	2.12
PCN 111	1	180	34.76	-363.92	NA	-618.29	NA	-9.78	16780.5	NA	NA	1.72	NA	48.99	NA	-100.71	10.63	-312.61	NA	NA	-9.49
PCN 112	1	180	12.04	-304.09	NA	2052.26	NA	-34.29	18589.9	NA	-153.14	-4.27	NA	-37.92	NA	-50.8	8.57	-138.3	NA	NA	-7.09
PCN 113	1	180	1.97	-119.95	NA	3594.31	-311.92	-13.22	19487.9	NA	94.19	0.08	NA	2.74	NA	NA	0.86	NA	NA	NA	-15.82
PCN 114	1	180	-15.53	-94.82	NA	1580.75	-286.06	-19.29	7927.69	NA	101.49	-4.2	NA	-3.74	NA	NA	NA	NA	NA	NA	-11.24
PCN 115	1	180	-5.77	-57.84	NA	-614.58	-243.1	-8.27	22526.2	NA	224.74	-4.08	NA	-2.06	NA	NA	NA	NA	NA	NA	-4.65
PCN 116	1	180	5.93	-129.43	NA	196.58	-361.57	7.86	32024.1	NA	-2.76	-4.09	NA	2.35	NA	NA	2.51	NA	NA	NA	-21.53
PCN 117	1	180	-3.54	-200.16	-35.42	554.64	-293.08	-28.5	24344.3	NA	NA	-8.29	NA	16.36	NA	-25.18	6.91	-69.78	NA	NA	-7.81
PCN 118	1	180	8.14	-171.54	NA	NA	-401.24	-30.74	26437.7	NA	-57.03	-5.3	NA	2.65	NA	-24.02	6.73	NA	NA	NA	-11.25
PCN 119	1	180	-2.49	-191.13	-35.62	NA	-500.76	-11.55	41216.1	NA	NA	-3.76	NA	4.09	NA	NA	5.73	NA	NA	NA	-15.71
PCN 120	1	180	-1.05	-28.96	-57.05	454.4	-553.35	39.94	87143.9	NA	NA	-9.47	NA	-23.7	NA	NA	2	NA	NA	NA	6.71
PCN 121	1	180	-1.92	-193.92	-27.79	NA	-558.95	-10.59	20345.1	NA	NA	-5.72	NA	-10.77	NA	NA	1.45	NA	NA	NA	-9.98
PCN 122	1	180	2.1	-99.15	NA	-2349.89	-171.91	-26.27	20522.4	NA	651.47	NA	NA	1.91	NA	NA	NA	NA	NA	NA	9.4
PCN 123	1	180	-1.09	-153.77	NA	-525.4	-180.56	-0.61	23791.5	NA	372.49	-6.77	NA	-0.37	NA	NA	NA	NA	NA	NA	-2.7
PCN 124	1	180	-0.65	-63.69	NA	-448.58	-229.9	-8.46	22002	NA	315.21	-5.78	NA	3.64	NA	NA	NA	NA	NA	NA	3.82
PCN 125	1	180	-12.98	-164.64	NA	2643.47	-302.36	-5.79	16100.1	NA	726.35	-5.94	NA	-0.47	NA	NA	NA	NA	NA	NA	21.73
PCN 126	1	180	-4.54	-65.3	NA	6890.69	-342.48	11.93	13821.6	NA	464.15	NA	NA	-3.32	NA	NA	-1.15	NA	NA	NA	-0.77
PCN 127	1	180	-5.32	-115.55	NA	-1873.61	NA	-3.58	19531.4	NA	321.86	-7.78	NA	-1.74	NA	NA	-1.65	NA	NA	NA	-5.56
PCN 128	1	180	-6.44	-163.42	NA	1859.2	-336.5	27.59	17284.7	NA	160.18	NA	NA	-5.74	NA	-34.1	NA	-100.15	NA	NA	18.5
PCN 129	1	180	27.27	NA	NA	-7693.46	-157.64	-4.08	27986.2	NA	33.97	NA	NA	NA	NA	NA	-0.24	NA	NA	NA	-14.96

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 087	1	180	NA	-460	NA	-48	NA	-24	15	NA	16	NA	NA	-2	NA	-6565	NA	-120114	NA	NA	-28
PCN 088	1	180	NA	-407	NA	66	NA	-29	15	NA	11	NA	NA	-82	NA	-8806	NA	-105313	NA	NA	3
PCN 089	1	180	NA	-624	NA	32	NA	-66	3	NA	-24	NA	NA	-13	NA	-10596	NA	-190750	NA	NA	-160
PCN 090	1	180	NA	-693	NA	-88	-3203	-211	-25	NA	-86	NA	NA	-138	NA	-8132	NA	NA	NA	NA	-56
PCN 091	1	180	-117	-591	NA	-58	NA	-60	-6	NA	11	NA	NA	-25	NA	-8181	NA	-205360	NA	NA	-33
PCN 092	1	180	17	-115	NA	71	-569	11	34	NA	20	-185	NA	-10	NA	-2199	NA	-20662	NA	NA	-1
PCN 093	1	180	3	-75	NA	21	NA	-15	31	NA	20	-140	NA	-1	NA	-9449	NA	NA	NA	NA	-9
PCN 094	1	180	62	-994	NA	-159	NA	-46	62	NA	-94	NA	NA	-44	NA	-6637	NA	-16560	NA	NA	-541
PCN 095	1	180	44	-363	NA	-191	NA	-78	50	NA	-9	-33	NA	-10	NA	NA	66	NA	NA	NA	-38
PCN 096	1	180	35	-210	NA	67	-1480	-29	37	NA	-20	10	NA	-26	NA	-1618	22	-7870	NA	NA	-76
PCN 097	1	180	26	6	NA	10	NA	-30	34	NA	15	-22	NA	7	NA	NA	NA	NA	NA	245680	-14
PCN 098	1	180	34	-45	NA	-33	NA	-13	49	NA	31	-14	NA	-7	NA	NA	NA	NA	NA	NA	-20
PCN 099	1	180	17	-61	NA	70	-2103	-45	48	NA	-20	-37	NA	4	NA	NA	NA	NA	NA	NA	-16
PCN 100	1	180	31	-36	NA	-80	-1749	-27	44	NA	6	59	NA	-26	NA	NA	28	NA	NA	NA	-14
PCN 101	1	180	13	-30	NA	61	-1086	-37	35	NA	-11	-91	NA	22	NA	NA	15	NA	NA	NA	-34
PCN 102	1	180	25	-20	NA	70	-1471	-93	46	NA	12	-54	NA	15	NA	NA	13	NA	NA	NA	-67
PCN 103	1	180	0	-148	NA	-16	-2695	-63	38	NA	-26	-39	NA	24	NA	NA	37	NA	NA	NA	4
PCN 104	1	180	24	-209	NA	-74	NA	3	38	NA	-78	-18	NA	-18	NA	-5198	NA	-12897	NA	NA	-58
PCN 105	1	180	22	-113	NA	-49	NA	-67	46	NA	-26	12	NA	23	NA	-5149	29	NA	NA	NA	-50
PCN 106	1	180	2	-400	NA	79	NA	-7	21	NA	-6	1	NA	34	NA	-9310	32	-19474	NA	NA	-5
PCN 107	1	180	27	-303	NA	NA	NA	-139	44	NA	NA	4	NA	66	NA	-14637	37	-35336	NA	NA	-391
PCN 108	1	180	31	-207	NA	71	-20497	19	48	NA	NA	44	NA	11	NA	-22369	47	-17155	NA	NA	0
PCN 109	1	180	17	-370	NA	25	-14460	-8	39	NA	NA	28	NA	11	NA	-21784	51	-26602	NA	NA	-26
PCN 110	1	180	40	-477	NA	-14	NA	10	21	NA	-89	58	NA	13	NA	-12755	-66	-26295	NA	NA	11
PCN 111	1	180	32	-607	NA	-77	NA	-27	30	NA	NA	10	NA	61	NA	-21428	35	-135917	NA	NA	-158
PCN 112	1	180	14	-1014	NA	79	NA	-95	22	NA	-77	-100	NA	-46	NA	-10160	33	-26596	NA	NA	-37
PCN 113	1	180	4	-86	NA	69	-1659	-19	32	NA	17	1	NA	8	NA	NA	14	NA	NA	NA	-28
PCN 114	1	180	-50	-79	NA	69	-1654	-34	16	NA	20	-54	NA	-15	NA	NA	NA	NA	NA	NA	-39
PCN 115	1	180	-18	-36	NA	-18	-819	-12	39	NA	30	-69	NA	-8	NA	NA	NA	NA	NA	NA	-13
PCN 116	1	180	8	-92	NA	12	-5093	10	40	NA	-2	-152	NA	7	NA	NA	15	NA	NA	NA	-120
PCN 117	1	180	-6	-182	-349	69	-12743	-84	34	NA	NA	-235	NA	47	NA	-4496	32	-7120	NA	NA	-156
PCN 118	1	180	10	-156	NA	NA	-19107	-99	33	NA	-119	-100	NA	9	NA	-3079	40	NA	NA	NA	-225
PCN 119	1	180	-4	-191	-390	NA	-27820	-23	46	NA	NA	-70	NA	11	NA	NA	34	NA	NA	NA	-83
PCN 120	1	180	-1	-36	-778	57	-15371	34	60	NA	NA	-306	NA	-99	NA	NA	11	NA	NA	NA	18
PCN 121	1	180	-3	-323	-211	NA	-24302	-24	26	NA	NA	-115	NA	-36	NA	NA	10	NA	NA	NA	-143
PCN 122	1	180	7	-83	NA	-94	-498	-39	41	NA	38	NA	NA	7	NA	NA	NA	NA	NA	NA	22
PCN 123	1	180	-3	-154	NA	-21	-649	-1	43	NA	34	-124	NA	-1	NA	NA	NA	NA	NA	NA	-7
PCN 124	1	180	-2	-37	NA	-11	-1055	-10	40	NA	36	-156	NA	17	NA	NA	NA	NA	NA	NA	7
PCN 125	1	180	-114	-150	NA	17	-936	-9	28	NA	48	-660	NA	-4	NA	NA	NA	NA	NA	NA	23
PCN 126	1	180	-27	-54	NA	82	-699	10	26	NA	47	NA	NA	-33	NA	NA	-12	NA	NA	NA	-1
PCN 127	1	180	-29	-89	NA	-47	NA	-4	34	NA	50	-239	NA	-11	NA	NA	-43	NA	NA	NA	-8
PCN 128	1	180	-36	-126	NA	24	-1309	27	30	NA	28	NA	NA	-48	NA	-14208	NA	-19637	NA	NA	33
PCN 129	1	180	74	NA	NA	-44	-1271	-7	57	NA	11	NA	NA	NA	NA	NA	-3	NA	NA	NA	-17

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 087	1	180	0	391.93	0	7842.13	0	30.96	21028.1	0	388.16	0	0	9.21	0	24.66	0	84.15	0	0	76.64
PCN 088	1	180	0	405.27	0	2009.58	0	43.83	23046.6	0	556.08	0	0	18.24	0	32.06	0	84.33	0	0	60.99
PCN 089	1	180	0	434.62	0	8544.28	0	41.56	20200.1	0	566.49	0	0	9.04	0	28.88	0	114.51	0	0	267.84
PCN 090	1	180	0	396.51	0	9375.77	218.02	65.34	25319.6	0	814.57	0	0	19.06	0	30.46	0	0	0	0	60.83
PCN 091	1	180	8.23	414.48	0	7426.28	0	41.61	24642	0	387.18	0	0	11.26	0	21.53	0	102.73	0	0	209.48
PCN 092	1	180	183.62	322.98	0	1360.67	197.48	63.12	25836.5	0	559.94	9.14	0	16.47	0	21.84	0	93.43	0	0	58.63
PCN 093	1	180	30.76	279.47	0	2540.45	0	91.65	26336.8	0	363.88	10.38	0	16.12	0	37.24	0	0	0	0	81.76
PCN 094	1	180	25.29	765.54	0	1813.47	0	54.2	16809.2	0	296.1	0	0	27.28	0	54.57	0	201.59	0	0	185.93
PCN 095	1	180	51	138.91	0	3785.11	0	74.95	37690.8	0	377.27	9.84	0	40.63	0	0	12.95	0	0	0	33.02
PCN 096	1	180	35.5	278.86	0	725.29	241.74	64.68	28913.8	0	917.45	7.29	0	35.31	0	20.1	12.19	60.57	0	0	52.8
PCN 097	1	180	32.7	112.92	0	3970.92	0	108.11	36221.8	0	867.1	16.01	0	22.4	0	0	0	0	0	122.79	68.36
PCN 098	1	180	25.65	159.45	0	3996.33	0	72.52	27501.7	0	508.99	11.84	0	22.48	0	0	0	0	0	0	77.71
PCN 099	1	180	38.93	176.56	0	661.4	279.77	99.8	29219.4	0	298.77	16.25	0	19.18	0	0	0	0	0	0	53.55
PCN 100	1	180	34.41	190.33	0	3969.76	240.38	81.03	33352.5	0	317.37	9.15	0	23.88	0	0	6.11	0	0	0	54.74
PCN 101	1	180	39.08	182.69	0	1098.04	251.34	94.56	35829.2	0	432.22	13.14	0	14.84	0	0	7.11	0	0	0	72.22
PCN 102	1	180	38.08	143.96	0	452.49	234.1	90.7	35565.6	0	270.74	13.3	0	19.59	0	0	7.1	0	0	0	43.4
PCN 103	1	180	62.92	223.31	0	1392.4	257.17	91.04	39740.9	0	233.94	11.56	0	27.46	0	0	8.51	0	0	0	17.25
PCN 104	1	180	33.27	370.32	0	1216.69	0	59.2	34202.8	0	186.71	10.41	0	25.89	0	29.67	0	98.78	0	0	36.23
PCN 105	1	180	54	340.39	0	4609.05	0	79.96	33911.3	0	435.37	6.89	0	23.81	0	37.79	6.98	0	0	0	37.54
PCN 106	1	180	43.49	399.72	0	653.56	0	65.55	40871.4	0	243.87	7.94	0	34.22	0	38.58	7.63	150.72	0	0	28.41
PCN 107	1	180	29.52	362.27	0	0	0	40.67	19210.7	0	0	5.23	0	16.22	0	72.21	4.6	237.42	0	0	34.38
PCN 108	1	180	35.62	399.28	0	145.46	308.95	70.92	43501.7	0	0	12.36	0	110.79	0	78.64	12.52	174.28	0	0	25.89
PCN 109	1	180	42.47	469.62	0	522.76	247.52	61.54	38018.7	0	0	31.78	0	72.9	0	80.97	6.81	170.89	0	0	28.87
PCN 110	1	180	66.16	346.28	0	914.99	0	58.58	58519.6	0	120.66	14.59	0	106.29	0	37.28	27.36	153.09	0	0	17.88
PCN 111	1	180	73.24	423.92	0	1418.29	0	45.78	38419.5	0	0	15.33	0	31.01	0	101.18	19.67	312.84	0	0	15.49
PCN 112	1	180	71.36	334.09	0	547.74	0	70.29	67210.1	0	353.14	8.54	0	120.92	0	51.3	17.33	138.82	0	0	26.09
PCN 113	1	180	45.73	259.95	0	1605.69	330.72	81.22	42012.1	0	452.81	9.65	0	32.26	0	0	5.14	0	0	0	72.82
PCN 114	1	180	46.53	214.82	0	719.25	303.36	76.29	41672.3	0	398.51	12.04	0	28.74	0	0	0	0	0	0	40.24
PCN 115	1	180	38.37	217.84	0	4114.58	272.8	77.27	35873.8	0	514.26	9.98	0	28.06	0	0	0	0	0	0	41.65
PCN 116	1	180	69.77	269.43	0	1403.42	368.67	73.14	47975.9	0	129.76	6.78	0	33.65	0	0	13.69	0	0	0	39.53
PCN 117	1	180	58.54	310.16	45.57	245.36	295.38	62.5	48055.7	0	0	11.82	0	18.64	0	25.74	14.99	70.76	0	0	12.81
PCN 118	1	180	70.36	281.54	0	0	403.34	61.74	53162.3	0	105.03	10.62	0	26.35	0	24.8	9.97	0	0	0	16.25
PCN 119	1	180	62.69	291.13	44.76	0	502.56	62.55	49083.9	0	0	9.15	0	32.91	0	0	11.27	0	0	0	34.71
PCN 120	1	180	80.75	108.96	64.38	345.6	556.95	79.06	57856.1	0	0	12.56	0	47.7	0	0	16	0	0	0	30.29
PCN 121	1	180	75.62	253.92	40.99	0	561.25	54.59	58754.9	0	0	10.69	0	40.77	0	0	12.45	0	0	0	16.98
PCN 122	1	180	27.4	219.15	0	4849.89	206.41	93.27	29977.6	0	1078.53	0	0	24.09	0	0	0	0	0	0	33.6
PCN 123	1	180	33.99	253.77	0	3025.4	208.36	77.61	31608.5	0	737.51	12.22	0	26.37	0	0	0	0	0	0	41.7
PCN 124	1	180	28.45	233.69	0	4648.58	251.7	94.46	33298	0	549.79	9.48	0	18.36	0	0	0	0	0	0	49.18
PCN 125	1	180	24.38	274.64	0	12856.5	334.66	70.79	41299.9	0	793.65	6.84	0	11.47	0	0	0	0	0	0	71.27
PCN 126	1	180	21.14	185.3	0	1509.31	391.48	107.07	40178.4	0	527.85	0	0	13.32	0	0	11.15	0	0	0	96.77
PCN 127	1	180	23.42	245.55	0	5873.61	0	94.58	38168.6	0	324.14	11.04	0	17.74	0	0	5.45	0	0	0	72.56
PCN 128	1	180	24.24	293.42	0	6040.8	362.2	76.41	40615.3	0	419.82	0	0	17.74	0	34.34	0	100.66	0	0	37.5
PCN 129	1	180	9.83	0	0	25293.5	170.04	66.08	20713.8	0	289.03	0	0	0	0	0	9.14	0	0	0	101.96

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 064	13	90	7.5	100	0.14	2200	11.6	55	39600	0.01	778	1.87	5	34	100	0.21	0.8	0.18	0.33	-0.05	60
PCN 065	13	90	15.1	140	0.24	3800	16.4	64	35800	0.02	797	2.9	6	26	100	0.37	1.1	0.13	0.62	-0.05	142
PCN 066	14	90	15.6	110	0.15	2900	6.8	77	42000	0.02	985	2.76	5	29	100	0.18	1.2	0.1	0.4	-0.05	83
PCN 067	13	90	9.6	110	0.04	5900	17.7	100	41800	0.02	1050	4.82	7	34	100	0.19	0.6	0.05	0.65	-0.05	144
PCN 068	13	90	22.9	80	0.13	5300	14.8	82	40800	0.05	791	1.09	8	19	100	0.28	0.9	0.16	0.74	-0.05	71
PCN 069	13	90	11.6	70	0.2	7400	18.5	54	28700	0.03	781	0.85	6	13	200	0.39	0.9	0.08	0.99	-0.05	73
PCN 070	14	90	13.5	70	0.68	5400	24.8	96	47100	0.06	766	0.79	11	11	200	0.31	1.9	0.4	0.9	-0.05	91
PCN 071	14	90	13.6	80	0.58	5600	27.5	90	50700	0.03	776	0.75	11	10	200	0.32	1.4	0.32	0.8	-0.05	138
PCN 072	13	90	13.3	70	0.66	4700	24.4	90	47000	0.02	771	0.9	10	10	200	0.3	1.2	0.29	0.87	-0.05	60
PCN 073	14	90	49.6	90	1.48	2400	10.5	66	39300	0.06	390	7.8	4	9	3100	0.21	6.6	0.51	0.69	-0.05	42
PCN 074	13	90	22.6	90	1.73	4400	9.3	106	39300	0.03	303	12	4	33	400	0.22	3.6	0.3	0.7	-0.05	38
PCN 075	14	90	18.1	110	1.17	2500	11.9	61	38700	0.03	360	5.84	4	17	800	0.3	2.5	0.28	0.44	-0.05	39
PCN 076	14	90	15.5	80	2.76	1500	1.5	17	22800	0.02	68	2.17	1	10	3200	0.11	6.1	0.4	0.12	-0.05	4
PCN 077	14	90	21.5	100	3.21	2300	5.8	44	46900	0.03	217	2.81	2	14	3400	0.28	6.5	0.44	0.31	-0.05	43
PCN 078	15	90	15.8	90	1.56	1700	5.2	90	44700	0.02	162	2.11	2	13	900	0.32	5	0.28	0.65	-0.05	35
PCN 079	13	90	28.1	110	2.82	3600	11.3	58	53900	0.03	408	4.63	3	13	1800	0.46	5.9	0.52	0.27	-0.05	28
PCN 080	13	90	31.4	70	2.17	1500	6.3	59	58500	0.02	165	3.33	2	12	700	0.53	4.8	0.61	0.42	-0.05	28
PCN 081	14	90	18.8	70	2.28	1400	7.6	49	42200	0.02	184	1.87	2	12	500	0.37	8.6	0.56	0.66	-0.05	33
PCN 082	13	90	27.3	50	2.19	4700	10.8	79	62100	0.04	428	1.46	4	14	4800	0.43	7.3	0.88	0.83	-0.05	40
PCN 083	13	90	26.7	100	1.61	3900	8.8	110	71500	0.02	166	2.28	3	13	3000	0.55	6.5	0.73	0.79	-0.05	68
PCN 084	14	90	16.4	160	0.65	5500	28.1	110	61900	0.07	726	1.4	9	10	800	0.29	3.5	0.34	0.7	-0.05	50
PCN 085	13	90	60.1	120	2.16	6000	8.5	60	57600	0.03	180	3.45	4	13	700	0.75	8.3	1.32	1.14	-0.05	26
PCN 086	12	90	1.9	80	0.26	150100	7.1	20	8200	0.02	106	0.27	2	3	1100	0.07	1.8	0.13	0.44	-0.05	17
PCN 087	13	90	3.6	70	0.23	5300	7.9	25	24700	0.01	460	1.07	4	9	300	0.37	0.6	0.07	1.02	-0.05	60
PCN 088	13	90	4.9	80	0.27	5900	11.1	34	27100	0.02	623	1.18	5	10	300	0.36	0.8	0.08	1.04	-0.05	63
PCN 089	21	90	3.2	60	0.2	12500	7.9	25	20800	0.02	458	1.31	4	8	200	0.27	0.7	0.06	0.78	-0.05	103
PCN 090	13	90	2.8	50	0.18	5000	6.6	21	20300	0.01	438	0.97	4	8	200	0.37	0.6	0.05	0.7	-0.05	39
PCN 091	13	90	3.8	60	0.23	4700	8.9	26	23200	0.01	435	1.01	4	9	100	0.26	0.9	0.05	0.96	-0.05	158
PCN 092	13	90	220	150	0.72	4700	29.5	71	39200	0.03	704	3.21	11	15	300	0.95	4.5	0.45	0.96	-0.05	58
PCN 093	13	90	31.7	160	1.14	3200	34.1	80	37900	0.02	453	4.32	10	16	500	0.39	4.4	0.7	1.27	-0.05	75
PCN 094	13	90	65.9	70	1.25	700	6.1	37	44000	0.01	153	11.75	2	19	4100	0.81	9.1	1.21	0.52	-0.05	29
PCN 095	14	90	90.6	30	6.71	1300	14.7	42	74800	0.02	347	7.41	4	37	8700	1.47	37.6	1.37	0.27	-0.05	24
PCN 096	13	90	54.9	90	6.34	2200	15.3	50	46200	0.03	767	8.09	5	28	1400	1.17	15.7	0.76	0.39	-0.05	30
PCN 097	13	90	44.2	120	1.94	4400	38.2	83	55300	0.04	1020	13.15	7	24	800	0.51	4.7	0.8	0.77	-0.05	60
PCN 098	12	90	38.9	110	1.72	3000	30.9	64	53700	0.03	734	10.4	5	21	800	0.63	4.7	0.88	0.56	-0.05	65
PCN 099	13	90	47.1	110	2.49	2200	12.7	69	56700	0.02	248	11.9	4	20	800	0.56	8.1	0.95	0.61	-0.05	46
PCN 100	12	90	50	140	2.04	2200	13	64	59700	0.03	336	22.4	4	19	1300	0.74	8.5	1.14	0.56	-0.05	48
PCN 101	13	90	44.7	140	2.13	2800	21.2	69	54900	0.04	389	6.87	5	19	1500	0.46	8.4	0.8	0.59	-0.05	54
PCN 102	13	90	50.9	120	2.57	1500	14.9	47	65400	0.04	307	8.64	5	23	1000	0.9	8.2	1.34	0.38	0.06	26
PCN 103	13	90	63.1	90	6.4	1200	9.2	56	64400	0.03	186	8.3	3	36	3400	0.91	13.6	1.05	0.25	0.07	18
PCN 104	13	90	43.6	120	2.49	700	5.2	61	55400	0.02	105	8.84	3	22	600	0.56	7.7	0.76	0.39	-0.05	23
PCN 105	13	90	68.9	160	4.02	3100	8.9	48	62800	0.02	345	7.87	3	31	1300	0.72	9.9	1.23	0.32	-0.05	25
PCN 106	13	90	44.6	80	5.67	3100	8.8	61	51600	0.03	231	8.03	3	52	4100	0.41	11.3	0.77	0.37	-0.05	27

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 107	13	90	40.2	90	10.6	600	1.7	17	34300	0.01	42	5.43	1	48	2500	0.49	7.3	0.67	0.13	-0.05	7
PCN 108	13	90	51.9	130	3.81	500	1.5	88	83000	0.01	50	22	1	125	1700	0.35	23.8	1.01	0.28	-0.05	26
PCN 109	13	90	50.9	100	5.14	700	1.7	57	62700	0.01	49	44.3	1	82	600	0.37	14	0.64	0.36	-0.05	23
PCN 110	13	90	110	60	5.36	800	2.1	65	74000	0.01	64	34.6	1	122	4700	0.29	16.5	0.58	0.19	-0.05	20
PCN 111	10	90	108	60	4.6	800	1.6	36	55200	-0.01	75	17.05	1	80	5200	0.47	30.3	0.23	0.09	-0.05	6
PCN 112	14	90	83.4	30	8.07	2600	7.1	36	85800	0.02	200	4.27	2	83	11400	0.5	25.9	0.52	0.08	-0.05	19
PCN 113	14	90	47.7	140	2.97	5200	18.8	68	61500	0.02	547	9.73	7	35	800	0.65	6	0.6	0.45	-0.05	57
PCN 114	15	90	31	120	1.5	2300	17.3	57	49600	0.05	500	7.84	8	25	400	0.51	3.6	0.46	0.44	-0.05	29
PCN 115	13	90	32.6	160	1.42	3500	29.7	69	58400	0.04	739	5.9	9	26	400	0.49	2.8	0.56	0.65	-0.05	37
PCN 116	13	90	75.7	140	6.92	1600	7.1	81	80000	0.03	127	2.69	2	36	1700	0.34	16.2	0.56	0.22	-0.05	18
PCN 117	13	90	55	110	10.15	800	2.3	34	72400	0.02	83	3.53	1	35	2700	0.56	21.9	0.98	0.11	-0.05	5
PCN 118	13	90	78.5	110	10.25	400	2.1	31	79600	0.01	48	5.32	1	29	3300	0.78	16.7	1.21	0.1	-0.05	5
PCN 119	14	90	60.2	100	9.14	400	1.8	51	90300	0.01	34	5.39	1	37	2700	0.5	17	1.03	0.09	-0.05	19
PCN 120	13	90	79.7	80	7.33	800	3.6	119	145000	0.03	60	3.09	1	24	1200	0.63	18	1.14	0.21	-0.05	37
PCN 121	14	90	73.7	60	13.2	300	2.3	44	79100	0.02	58	4.97	1	30	1400	0.86	13.9	1.3	0.12	-0.05	7
PCN 122	13	90	29.5	120	2.96	2500	34.5	67	50500	0.04	1730	4.81	7	26	700	0.47	2.6	0.69	0.6	-0.05	43
PCN 123	13	90	32.9	100	3.17	2500	27.8	77	55400	0.04	1110	5.45	8	26	500	0.32	3	0.61	0.62	-0.05	39
PCN 124	13	90	27.8	170	2.27	4200	21.8	86	55300	0.04	865	3.7	8	22	500	0.28	3.2	0.53	0.64	-0.05	53
PCN 125	13	90	11.4	110	1.65	15500	32.3	65	57400	0.06	1520	0.9	7	11	200	0.29	1.7	0.18	0.64	-0.05	93
PCN 126	13	90	16.6	120	0.72	8400	49	119	54000	0.06	992	2.36	14	10	500	0.27	10	0.29	0.92	-0.05	96
PCN 127	13	90	18.1	130	1.22	4000	30	91	57700	0.05	646	3.26	9	16	1000	0.46	3.8	0.74	0.97	-0.05	67
PCN 128	13	90	17.8	130	1.32	7900	25.7	104	57900	0.04	580	1.43	9	12	800	0.24	2.7	0.51	1.16	-0.05	56
PCN 129	14	90	37.1	90	3.88	17600	12.4	62	48700	0.08	323	2.82	7	7	1700	0.83	8.9	0.95	0.53	-0.05	87
PCN 130	13	90	3.1	80	0.23	5200	9.3	27	21600	0.02	559	1.08	4	11	200	0.19	0.6	0.06	0.99	-0.05	45
PCN 131	13	90	3	60	0.22	4100	7.4	23	19900	0.01	433	1.01	3	9	200	0.23	0.5	0.06	0.83	-0.05	38
PCN 132	13	90	2.7	60	0.26	4000	5.3	19	20000	0.01	403	0.99	3	8	100	0.29	0.6	0.05	0.79	-0.05	32
PCN 133	14	90	3.7	60	0.22	5100	7.6	24	23000	0.01	432	1.2	4	9	200	0.23	1.2	0.06	0.9	-0.05	38
PCN 134	13	90	10.5	130	0.37	6200	33.1	58	34800	0.02	1150	1.68	9	13	300	0.3	1.8	0.21	1.08	-0.05	54
PCN 135	13	90	9.6	90	0.46	3300	16.3	39	26900	0.02	529	1.26	6	11	200	0.21	1.2	0.22	0.62	-0.05	34
PCN 136	12	90	9.2	90	0.47	2500	14.3	34	27300	0.02	521	2.12	6	11	200	0.27	0.9	0.23	0.59	-0.05	31
PCN 137	11	90	40.2	90	1.79	2000	21.6	43	47100	0.01	495	7.81	5	25	4200	0.52	10.2	1.03	0.59	-0.05	28
PCN 138	11	90	32.7	130	1.41	6300	42	98	60100	0.02	1530	6.85	10	17	500	0.41	2.8	0.66	0.68	-0.05	92
PCN 139	11	90	30	120	1.26	5000	35.6	105	58500	0.03	1320	8.74	10	15	400	0.4	2.5	0.62	0.63	-0.05	81
PCN 140	12	90	37.3	130	1.59	4500	42.2	101	64200	0.03	1390	9.33	10	17	600	0.51	3.6	0.75	0.6	-0.05	80
PCN 141	11	90	45.7	160	2.46	4300	24.1	92	68000	0.02	852	10.35	8	19	1900	0.57	5.8	0.93	0.59	-0.05	75
PCN 142	11	90	47.2	140	2.27	3400	24	100	69300	0.02	570	11.1	8	21	2600	0.53	10.3	0.99	0.67	-0.05	93
PCN 143	11	90	29	80	0.31	5800	43.1	110	50200	0.02	1570	27.7	11	9	200	0.36	2.9	0.37	0.68	-0.05	130
PCN 144	11	90	59.6	240	1.15	1900	11	98	50000	0.02	180	6.72	6	16	1200	0.58	9.1	0.9	0.92	-0.05	49
PCN 145	11	90	53.6	120	2.89	1000	6.7	64	54400	0.02	128	8.01	3	18	1200	0.54	11.4	0.88	0.64	-0.05	41
PCN 146	11	90	58.2	150	2.47	1800	8.2	69	51200	0.02	171	8.73	3	21	1300	0.34	13.4	0.83	0.52	-0.05	37
PCN 147	11	90	61.9	40	2.13	1500	4.8	45	48300	0.01	95	4.42	2	27	6600	0.28	10.6	0.62	0.25	-0.05	25
PCN 148	11	90	71.3	120	3.41	700	6	35	62300	0.02	137	8.22	3	24	500	0.93	7.7	1.09	0.33	-0.05	13
PCN 149	12	90	44.2	130	3.25	200	6.7	60	80000	0.01	109	3.87	2	25	600	0.38	15.9	1.14	0.43	-0.05	36

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 150	11	90	58.8	100	5.9	200	0.8	13	44300	0.01	36	23.4	1	69	1400	0.71	6.9	1.02	0.13	0.11	3
PCN 151	10	90	68.7	100	5.11	200	1.4	16	49500	0.02	46	43.8	1	46	1400	0.75	11.6	1.46	0.16	0.08	3
PCN 152	10	90	55.7	20	1.45	200	0.9	18	60100	0.01	27	15.8	1	53	3100	0.27	18.1	0.8	0.15	-0.05	3
PCN 153	11	90	60.8	110	1.43	300	1	21	55100	0.02	54	17.2	2	41	1900	0.5	11.6	0.96	0.18	0.06	3
PCN 154	13	90	28.2	160	0.56	1100	3	31	63500	0.01	58	4.3	1	14	300	0.11	6.2	0.28	0.18	-0.05	10
PCN 155	13	90	27	130	0.91	2500	21.4	66	46000	0.03	864	1.48	10	12	200	0.34	2.4	0.39	0.42	-0.05	52
PCN 156	13	90	38.4	150	5.48	2100	23.9	79	57500	0.05	687	2.59	10	17	200	0.83	3.6	0.66	0.62	-0.05	39
PCN 157	13	90	38.5	140	2.77	2700	31.5	65	53200	0.04	785	2.53	9	17	300	0.91	5	0.65	0.72	-0.05	39
PCN 158	13	90	70	50	11.7	400	2.2	23	62000	0.03	60	3.98	1	38	700	1.02	12.3	0.88	0.08	-0.05	4
PCN 159	13	90	109	90	11.85	600	1.7	28	77500	0.02	62	2.55	1	55	1200	0.76	14.8	1.39	0.08	-0.05	5
PCN 160	12	90	104.5	40	16.75	600	3.1	26	59400	0.02	76	4.16	2	74	400	1.01	17.6	0.52	0.09	-0.05	7
PCN 161	14	90	74.5	30	9.95	1000	4.7	30	56100	0.02	117	11.4	3	33	200	1.27	10.4	0.81	0.08	0.06	5
PCN 162	10	90	115.5	20	8.35	500	3.1	28	54200	0.02	117	8.61	4	36	300	1.88	10.8	2.25	0.1	0.08	5
PCN 163	10	90	90.1	40	9.06	600	2.9	32	60300	0.01	66	7.61	2	24	700	1.17	14.5	1.45	0.09	0.05	6
PCN 164	15	90	52.6	40	3.47	1800	7.9	57	72300	0.03	163	2.99	3	18	5400	0.44	8	1.17	0.37	-0.05	21
PCN 165	9	90	53.6	20	2.2	2900	10.4	74	75800	0.03	300	2.81	3	13	3800	0.54	7.2	1.09	0.42	-0.05	27
PCN 166	13	90	32.2	130	2.02	2100	22.2	67	60300	0.03	1580	2.95	7	11	1600	0.39	4.3	0.69	0.6	-0.05	32
PCN 167	13	90	37.8	110	2.62	2300	22.3	54	49900	0.03	1140	5.5	6	23	600	0.49	2.9	0.74	0.61	-0.05	35
PCN 168	10	90	34.9	110	2.69	3500	20.2	64	48800	0.03	873	5.96	7	23	700	0.51	4.5	0.6	0.59	-0.05	41
PCN 169	10	90	35.1	100	2.23	2300	18.2	56	49600	0.03	686	5.66	5	21	600	0.52	4	0.58	0.58	-0.05	32
PCN 170	10	90	30.1	100	2.68	2800	18.1	52	41500	0.02	572	5.52	5	23	500	0.41	3.7	0.55	0.63	-0.05	42
PCN 171	10	90	36	100	2.6	3500	19.7	55	49100	0.03	651	6.5	6	23	700	0.51	4.7	0.64	0.7	-0.05	43
PCN 172	10	90	35.6	130	2.35	5400	24.7	72	45200	0.12	791	3.59	9	18	500	0.25	3.2	0.54	1.12	-0.05	48
PCN 173	10	90	23.9	100	1.8	5700	17.5	58	35900	0.04	496	3.52	6	20	400	0.28	3.6	0.44	0.82	-0.05	41
PCN 178	13	90	3.8	60	0.22	4400	7	23	21400	0.01	480	1.16	4	13	100	0.33	0.7	0.09	0.73	-0.05	33
PCN 179	10	90	5.5	50	0.3	4300	9.9	26	20800	0.01	377	1.42	4	12	100	0.19	0.9	0.11	0.83	-0.05	29
PCN 180	13	90	37.1	90	3.24	2200	18.3	54	47900	0.01	418	3.46	5	14	600	0.46	5.1	0.99	0.49	-0.05	44
PCN 181	10	90	44.8	100	3.36	2700	28	53	56200	0.03	554	3.11	6	16	800	0.67	5.9	1.26	0.47	-0.05	38
PCN 182	11	90	39.4	110	2.71	2200	18.7	54	52100	0.03	378	2.33	5	13	1000	0.47	5.9	1.12	0.42	-0.05	32
PCN 183	10	90	43.1	100	2.35	2100	8.6	63	54300	0.03	170	2.4	4	12	1500	0.39	8.9	1.53	0.4	-0.05	23
PCN 184	13	90	39.8	110	3.82	800	3.6	63	61100	0.01	109	2.9	2	17	1300	0.49	8.6	0.68	0.4	-0.05	22
PCN 185	12	90	28.1	110	2.58	2500	14.8	65	45500	0.08	540	1.71	6	13400	200	5.24	2.5	0.55	0.37	-0.05	38
PCN 186	13	90	17.4	120	1.15	3200	25.4	84	42200	0.03	772	0.85	10	14	100	0.19	1.8	0.43	0.65	-0.05	64
PCN 187	13	90	24.8	110	1.29	2500	20.3	110	54200	0.02	644	2.16	12	26	300	0.27	2.9	0.41	0.6	-0.05	73
PCN 188	16	90	58.8	150	3.77	800	2.4	34	61100	0.02	76	7.94	2	89	800	0.86	12.7	1.17	0.28	-0.05	14
PCN 189	14	90	68.5	180	4.04	800	2.5	51	66000	0.01	72	10.8	2	21	1600	0.49	19.5	1.39	0.32	-0.05	14
PCN 190	13	90	68.4	160	9.4	700	1.8	32	57000	0.01	77	14.2	2	23	1500	1.21	21.1	1.47	0.3	-0.05	11
PCN 191	13	90	46.4	120	2.94	800	2.6	32	59700	0.01	80	8.35	2	20	600	0.68	10	0.89	0.28	-0.05	12
PCN 192	15	90	57	80	1.47	600	2.3	57	97700	0.02	49	3.86	2	24	800	0.52	22.3	1.38	0.32	-0.05	30
PCN 193	13	90	57.5	110	1.58	300	2.8	35	90500	0.02	85	9.57	3	27	300	0.87	8.9	0.93	0.45	-0.05	20
PCN 194	13	90	41.7	60	1.03	300	2.8	17	38400	0.02	64	11.05	3	37	500	1.21	4.1	0.65	0.19	0.12	5
PCN 195	13	90	63.2	70	22.7	700	3.7	27	71500	0.09	87	18.55	2	28	1600	1.81	14.6	1.83	0.14	0.21	4
PCN 196	13	90	73.5	140	6.85	2300	11.3	49	63100	0.03	325	7.36	6	23	700	1.55	7.3	1.66	0.36	-0.05	28

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 197	14	90	46.9	160	1.73	2200	29.2	78	55300	0.04	692	3.5	9	15	200	0.56	3	0.77	0.76	-0.05	36
PCN 198	16	90	44.7	40	7.74	800	3.8	26	34800	0.02	87	7.63	3	26	300	0.74	3.8	0.59	0.26	0.08	9
PCN 199	13	90	47.1	40	6.92	500	1.8	22	40900	0.02	75	8.4	2	24	200	0.82	6.1	0.64	0.15	-0.05	7
PCN 200	13	90	24.4	60	3.74	900	3.3	19	40300	0.01	94	6.23	2	13	300	0.57	3.5	0.46	0.14	0.08	6
PCN 201	13	90	38	50	8.54	1600	2.7	16	29500	0.01	83	10.7	2	24	300	0.57	6.3	0.41	0.14	0.1	5
PCN 202	10	90	89.6	190	4.11	400	1.3	30	63000	0.02	62	6.29	2	25	1000	0.78	13.7	1.4	0.28	-0.05	6
PCN 203	13	90	111.5	100	3.21	600	3.8	49	72700	0.03	87	17.8	2	45	1400	1.15	15.7	2.95	0.22	0.33	6
PCN 204	13	90	109.5	20	1.88	1700	2.4	65	82900	0.02	78	3.42	1	10	13700	0.34	22.6	2.17	0.12	-0.05	10
PCN 205	13	90	74	30	1.57	2700	6.9	80	70900	0.04	215	2.62	2	11	7100	0.29	12.8	2.31	0.32	-0.05	20
PCN 206	13	90	73.2	20	2.59	2300	9.3	62	76100	0.02	245	5.07	2	15	4200	0.55	16.4	3.18	0.2	-0.05	14
PCN 207	13	90	52.4	30	2.03	3500	12.5	64	62200	0.03	565	3.9	4	14	3100	0.44	7.8	1.92	0.31	-0.05	26
PCN 208	13	90	45.5	110	1.84	2600	17.1	59	57200	0.02	486	2.74	5	16	1400	0.52	4.3	1.1	0.4	-0.05	34
PCN 209	13	90	33.4	100	1.29	2800	20	73	51700	0.03	760	2.32	6	16	1300	0.4	3.9	0.73	0.59	-0.05	44
PCN 210	13	90	27.5	100	1.36	3500	20.8	66	51700	0.03	887	2.04	7	15	1000	0.35	3.2	0.69	0.62	-0.05	57
PCN 211	13	90	24.8	120	1.1	2900	29.6	72	45300	0.03	1600	2.19	8	14	1100	0.42	2.2	0.64	0.71	-0.05	61
PCN 212	13	90	18.1	120	1.22	3900	27.3	67	48100	0.02	1330	1.81	8	13	900	0.42	2.2	0.38	0.63	-0.05	68
PCN 223	10	90	44.4	90	1.37	2400	14.4	40	61500	0.02	337	3.43	5	11	400	0.87	4.5	1.61	0.43	-0.05	25
PCN 224	10	90	40	90	0.95	2000	19.9	65	72200	0.01	363	2.72	5	11	300	0.87	4.4	1.37	0.54	-0.05	33
PCN 225	10	90	39	80	0.93	1000	17.3	88	66000	0.04	245	2.49	7	10	1100	0.5	5.2	1.11	0.56	-0.05	60
PCN 226	13	90	86.1	140	0.97	700	2.3	34	66200	0.04	52	2.15	1	6	1000	0.6	11.4	2.11	0.11	-0.05	4
PCN 227	13	90	69.7	20	0.53	500	1.2	32	84500	0.04	28	1.97	-1	8	7700	0.38	12.7	3.28	0.15	-0.05	5
PCN 228	10	90	130.5	160	1.42	500	1.6	38	84900	0.04	28	1.81	-1	6	1200	0.6	16.2	2.68	0.11	-0.05	3
PCN 229	13	90	65.3	90	0.5	500	2.6	29	73000	0.05	46	2.21	1	6	700	0.56	12	3.13	0.17	-0.05	5
PCN 230	10	90	126	40	0.32	1000	4.8	30	83200	0.03	87	1.68	1	8	600	1.71	18.9	12.9	0.12	-0.05	7
PCN 231	15	90	77.1	170	1.18	3200	17.2	23	62100	0.07	454	3.52	4	15	900	2.12	6.2	2.89	0.12	-0.05	14
PCN 232	17	90	76.7	110	1.72	1900	9.5	26	64800	0.04	286	3.19	3	15	600	3.56	7	2.18	0.11	-0.05	11
PCN 233	13	90	75.9	140	3.24	900	7.5	23	67400	0.08	300	3.76	4	15	2300	5.17	7.5	2.34	0.13	-0.05	7
PCN 234	13	90	112	60	3.3	1600	11.3	20	59800	0.05	292	4	5	18	4400	4.18	5.6	2.07	0.18	-0.05	12
PCN 235	13	90	61.2	60	1.25	1800	4.7	23	58000	0.02	221	2.19	2	13	4300	1.82	5.4	1.84	0.27	-0.05	10
PCN 236	13	90	55.3	110	2.33	1000	2.8	20	57200	0.02	110	2.32	2	16	3200	2.41	4.7	1.54	0.24	-0.05	9
PCN 237	12	90	84.3	130	1.71	600	2.4	48	69600	0.02	59	2.76	3	16	1100	0.89	9.2	1.84	0.67	-0.05	13
PCN 238	14	90	60	130	3.09	300	2.2	17	69800	0.02	66	6.15	2	28	700	2.21	5.1	1.91	0.4	-0.05	7
PCN 239	12	90	54.2	190	9.29	500	3.3	17	63500	0.02	103	6.49	5	34	1200	1.63	5.4	1.89	0.27	0.05	8
PCN 282	3	90	26.7	60	0.53	500	2.4	70	45400	0.01	31	1.43	1	6	3400	0.34	7.4	1.01	0.3	-0.05	15
PCN 284	3	90	45.4	90	1.53	300	3.6	28	112000	0.03	72	2.87	2	11	500	2.09	5.2	1.54	0.28	-0.05	14
PCN 287	3	90	97.8	140	0.26	2000	6	40	83400	0.04	164	3.35	3	31	600	1.33	4.4	0.94	0.21	-0.05	12
PCN 289	1	90	67.6	60	0.92	1000	9	28	37600	0.07	164	3.59	5	15	4200	3.77	6.5	2.36	0.24	-0.05	11
PCN 290	3	90	61.1	20	1.07	600	1.6	12	48000	0.15	74	2.37	1	24	15300	3.52	19.5	2.71	0.12	-0.05	6
PCN 292	3	90	24.7	170	2.41	24800	7	58	44500	0.02	313	1.14	5	14	700	0.43	5.2	0.69	0.58	-0.05	53
PCN 328	3	90	84.1	110	6.37	800	3.3	35	54800	0.08	79	5.81	3	16	3400	1.31	15.9	3.87	0.14	-0.05	6
PCN 330	3	90	42.2	70	1.82	1200	3.3	27	39100	0.02	94	3.73	2	12	3500	1.2	7.7	1.38	0.12	-0.05	6
PCN 331	3	90	274	40	1.16	2400	2.4	22	46700	0.02	91	3.19	2	16	5900	1.17	8.7	2.15	0.12	-0.05	7
PCN 332	3	90	49	120	1.62	2400	4.3	38	52000	0.02	178	4.89	2	14	1700	1.09	7.1	1.93	0.23	-0.05	14

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 333	3	90	37.2	30	0.25	1800	0.9	15	65500	0.1	53	1.38	-1	9	17000	0.47	6.8	3.69	0.06	-0.05	2
PCN 334	3	90	61.4	70	0.73	14700	3.6	38	45200	0.09	812	1.71	3	10	3400	1.39	6.5	1.86	0.05	-0.05	18
PCN 335	3	90	30.6	60	0.69	1900	5.1	25	43400	0.03	210	1.46	3	12	3900	1.01	2.8	1.63	0.12	-0.05	12
PCN 336	3	90	24.2	160	0.33	3200	9.7	74	59000	0.03	205	1.29	6	9	1500	0.33	2.4	0.78	0.41	-0.05	34
PCN 338	3	90	32.8	110	1.09	4600	5.8	57	49800	0.04	281	1.4	3	11	1800	0.5	4.5	1.15	0.32	-0.05	24
PCN 339	3	90	30.9	110	1.28	2800	5.3	65	56900	0.03	246	1.35	4	12	1600	0.3	6	1.18	0.32	-0.05	23
PCN 342	3	90	40.6	150	1.13	2000	10.1	57	61000	0.02	339	1.67	4	12	1000	0.45	4	0.9	0.62	-0.05	31
PCN 345	3	90	40	160	0.81	2000	24.2	60	50500	0.04	1150	1.49	8	9	2400	0.69	1.8	0.52	0.65	-0.05	43
PCN 349	3	90	22.1	140	0.35	2300	52.2	63	39800	0.03	888	0.83	14	12	800	0.39	1.6	0.4	1.38	-0.05	56
PCN 350	3	90	17.4	310	0.41	2000	48	56	41300	0.03	1080	0.72	13	12	600	0.42	1.8	0.49	1.26	-0.05	52
PCN 351	3	90	21.3	140	0.53	2000	40.1	66	48400	0.03	1120	1.09	11	13	700	0.42	1.7	0.5	1.25	-0.05	54
PCN 352	3	90	23.2	190	0.55	2700	25.8	56	46500	0.03	775	1.34	9	12	800	0.6	2.3	0.66	0.86	-0.05	38
PCN 471	7	90	29.5	110	1.39	3200	42.1	58	59500	0.03	657	2.47	7	11	1700	0.65	3.9	0.96	0.52	-0.05	55
PCN 472	7	90	27.6	130	1.71	2700	28.6	50	62000	0.03	685	2.57	7	12	1700	0.78	3.3	1.27	0.47	-0.05	53
PCN 473	7	90	45	90	3.73	2300	20	46	67400	0.03	332	1.95	6	12	600	0.69	5.8	1.41	0.35	-0.05	41
PCN 474	7	90	65.7	80	4.73	1700	13.7	63	88400	0.03	206	2.53	6	13	1000	0.78	10.1	1.69	0.35	-0.05	56
PCN 475	7	90	36.2	70	3.29	500	1.9	84	53000	0.03	35	1.93	2	19	1400	0.36	12.9	0.88	0.46	-0.05	17
PCN 476	7	90	19.6	40	8.42	800	2.6	16	26100	0.02	68	5.03	2	15	800	0.7	10.3	0.77	0.17	-0.05	5
PCN 477	7	90	36.2	80	4.53	300	1.4	35	66100	0.01	39	2.69	1	17	3700	0.77	7.9	1.28	0.17	-0.05	7
PCN 478	7	90	38.6	120	4.93	400	1.5	27	69200	0.02	38	2.83	1	15	1800	0.56	10.1	1.51	0.13	-0.05	5
PCN 479	7	90	89.9	70	4.89	500	2.7	19	72800	0.03	81	3.82	2	15	400	2.45	9.5	4.38	0.12	-0.05	5
PCN 480	7	90	99.2	60	7.41	500	4.8	18	39800	0.02	88	4.83	3	22	500	2.43	11.3	2.5	0.09	-0.05	5
PCN 481	7	90	81.6	110	10.35	1000	7.8	27	52800	0.02	149	4.35	4	33	1600	2.72	8	2.51	0.16	0.07	6
PCN 482	7	90	114.5	170	17.5	1100	5.2	35	83300	0.04	110	16.55	4	41	2300	6.3	19	5.11	0.16	0.14	7
PCN 483	7	90	100.5	110	2.72	1100	6.3	58	62400	0.05	83	4.61	5	13	1500	1.78	10.1	2.33	0.3	-0.05	12
PCN 484	7	90	84	180	2.78	800	2.2	24	80100	0.02	55	4.52	2	14	2100	2.83	7.7	2.37	0.14	-0.05	6
PCN 485	7	90	90.9	180	2.44	600	2.3	43	74300	0.02	61	3.2	2	19	1100	2.16	11.1	1.71	0.22	-0.05	6
PCN 486	7	90	94.7	160	3.66	500	2.6	37	77200	0.02	80	5.29	2	24	800	2.73	11.7	2.3	0.23	-0.05	8
PCN 487	7	90	57.7	170	2.47	700	2.8	31	57200	0.02	73	3.98	3	23	800	2.09	4.8	1.71	0.36	-0.05	11
PCN 488	8	90	77.8	110	2.5	200	1.8	30	74800	0.02	40	6.43	2	25	500	1.62	6.7	2.16	0.3	-0.05	7
PCN 489	7	90	47.8	100	1.85	300	2.8	27	60100	0.02	74	7.25	3	21	400	1.11	4	1.3	0.29	-0.05	8
PCN 490	7	90	51.9	100	26.8	400	3.3	17	36900	0.01	91	9.12	4	35	700	2.02	4.8	1.4	0.24	0.06	7
PCN 491	7	90	65.6	80	16.75	800	3.5	20	34500	0.03	105	11.65	4	24	400	1.4	5.5	1.82	0.22	0.05	8
PCN 492	7	90	119.5	50	73.4	600	4	20	34200	0.02	100	35.6	4	39	400	3.95	8.5	4.57	0.12	0.09	5
PCN 493	7	90	74.7	60	38.2	1000	3.8	26	25700	0.03	84	11.45	4	44	400	2.04	9	2.8	0.15	0.08	5
PCN 494	7	90	86.6	100	12.35	800	3.2	28	49900	0.03	80	16	3	28	500	0.99	7.8	1.33	0.21	0.05	8
PCN 495	7	90	47.4	140	5.87	200	2.1	51	63700	0.01	64	7.73	2	38	800	0.87	7.5	1.54	0.3	-0.05	6
PCN 496	7	90	64.3	70	1.64	300	1.8	82	87800	0.01	61	6.83	1	17	1200	0.59	10.1	2.12	0.27	-0.05	17
PCN 497	7	90	56.2	60	0.35	400	1.3	53	36000	0.01	45	4.31	1	34	8100	0.17	17.1	1.7	0.3	-0.05	18
PCN 498	7	90	40	70	0.54	300	1.1	71	45500	0.01	33	2.72	1	17	5000	0.17	12.7	1.24	0.17	-0.05	12
PCN 499	7	90	20.7	120	0.38	1800	3.5	80	52100	0.02	88	1.04	2	10	2500	0.49	11.5	1.16	0.43	-0.05	22
PCN 500	7	90	18.8	30	2.63	1100	2.3	30	56300	0.01	80	1.12	1	13	9100	0.3	5.5	0.53	0.31	-0.05	13
PCN 501	7	90	20.4	100	2.61	1300	4.9	64	50400	0.04	162	1.65	3	11	1700	0.57	6.4	0.56	0.51	-0.05	33

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 519	7	90	10.9	100	0.65	5100	14.2	37	28600	0.02	608	1.36	5	11	700	0.29	1.3	0.29	1.01	-0.05	44
PCN 520	7	90	17.9	140	0.46	4600	34.5	50	31000	0.03	705	1.24	7	9	800	0.28	2.1	0.53	0.76	-0.05	60
PCN 521	7	90	36.4	120	0.69	1900	21.1	29	60800	0.02	276	1.85	4	9	900	1.01	4.4	1.51	0.39	-0.05	32
PCN 522	7	90	32.9	150	0.52	1200	20.2	34	61700	0.03	204	1.86	4	9	1800	0.96	2.9	1.21	0.47	-0.05	35
PCN 523	7	90	29.6	200	0.42	1000	5.2	55	44500	0.05	61	1.81	3	9	700	0.26	4.8	0.76	0.54	-0.05	32
PCN 524	7	90	27.4	90	0.68	800	12.6	68	49900	0.02	219	1.44	3	8	300	0.75	2.8	0.79	0.65	-0.05	52
PCN 525	7	90	57.7	130	1.06	600	4.1	18	57400	0.04	84	3.07	2	12	1000	2.23	6	2.79	0.25	-0.05	13
PCN 526	7	90	54.2	20	0.35	1400	3.2	16	60800	0.08	67	2.46	1	11	14000	0.82	7.8	2.03	0.16	-0.05	7
PCN 527	7	90	100.5	60	0.74	600	2.8	39	82300	0.05	39	2.84	1	7	1300	1.6	10.8	2.14	0.17	-0.05	9
PCN 528	7	90	66.9	110	1.16	400	2	22	63400	0.02	40	3.12	2	10	1400	2.41	8.4	2.62	0.12	-0.05	5
PCN 529	7	90	59.7	140	1.4	500	3.4	28	62400	0.02	64	3.47	2	12	1200	2.21	6.7	1.76	0.21	-0.05	12
PCN 530	7	90	54.8	110	2.15	600	4.9	29	73100	0.02	92	3.64	4	15	700	2.88	5.4	1.63	0.3	-0.05	22
PCN 531	7	90	45	110	1.8	800	5	25	59000	0.02	115	3.05	4	15	600	2.33	3	1.26	0.4	-0.05	19
PCN 532	7	90	48	130	1.69	500	2.6	16	53700	0.02	73	2.36	3	15	1000	1.8	3	1.29	0.28	-0.05	10
PCN 533	7	90	52.5	200	1.83	400	2.8	17	47800	0.02	74	2.55	3	18	1500	1.87	3	1.2	0.26	-0.05	9
PCN 534	7	90	116.5	90	4.21	1000	5	36	78200	0.03	81	4.7	5	12	500	1.12	10.2	3.35	0.26	-0.05	13
PCN 535	7	90	149	110	5.09	500	3.9	46	86100	0.02	57	7.87	4	13	1600	1.81	8.5	2.62	0.22	-0.05	11
PCN 536	7	90	32.4	30	1.82	800	3	42	52800	0.01	54	1.78	2	9	8600	0.41	5.5	0.97	0.2	-0.05	11
PCN 537	7	90	26	100	1.71	1300	6.5	45	41600	0.05	120	1.47	4	12	3300	0.46	6.9	1.43	0.31	-0.05	22
PCN 538	7	90	17	60	1.29	1300	10.2	66	44300	0.04	275	1.02	4	12	2100	0.36	3.1	0.4	0.56	-0.05	59
PCN 539	7	90	27.4	90	1.17	1000	4.4	54	64700	0.04	92	1.53	3	10	1700	0.42	7.3	1.05	0.4	-0.05	46
PCN 540	7	90	17.2	50	2.02	1300	2.9	37	51500	0.02	74	1.43	2	13	6600	0.34	6.8	0.75	0.18	-0.05	12
PCN 541	7	90	21	90	1.04	1800	9.3	38	39300	0.05	253	2.93	5	13	3300	0.39	4.2	0.71	0.28	-0.05	16
PCN 566	7	90	13.4	110	0.7	6400	17.3	65	38600	0.01	672	1.33	7	11	400	0.27	1.3	0.41	0.73	-0.05	51
PCN 567	7	90	52	90	2.21	1500	4	38	60800	0.04	107	2.16	2	12	600	0.52	6.5	1.65	0.23	-0.05	14
PCN 568	7	90	44.3	90	2.48	2800	17	29	62700	0.04	435	1.88	5	10	900	0.83	3.9	1.7	0.19	-0.05	24
PCN 569	7	90	39.3	120	2.29	4100	20.9	28	69500	0.05	604	1.46	6	13	800	0.77	3.8	2.02	0.15	-0.05	27
PCN 570	7	90	38.8	80	1.59	2100	15.2	24	62300	0.05	318	1.8	4	15	900	1.22	4.4	3.21	0.1	-0.05	17
PCN 571	7	90	65.9	70	1.73	700	7	45	74000	0.07	89	1.82	3	12	400	1.49	7.4	3.44	0.1	-0.05	10
PCN 572	7	90	42.5	50	1.69	800	2.6	27	63800	0.04	52	1.36	2	11	600	1.11	5.8	3.5	0.1	-0.05	7
PCN 573	7	90	30.5	110	0.77	2200	2.6	34	57500	0.04	36	1.3	2	14	2100	0.37	7.2	1.88	0.1	-0.05	8
PCN 574	7	90	25.8	100	0.85	2000	3.5	40	60100	0.03	81	1.38	3	14	1100	0.59	3.7	1.21	0.27	-0.05	19
PCN 575	7	90	24.9	110	0.62	2300	4.4	52	53400	0.02	88	1.24	3	14	1600	0.42	3.9	1.04	0.26	-0.05	18
PCN 576	7	90	24.6	90	0.94	1700	3.4	54	51800	0.02	85	1.11	2	18	1200	0.36	4.4	0.83	0.3	-0.05	17
PCN 577	7	90	26.1	70	0.48	4400	9.1	68	54600	0.03	133	1.06	3	10	1700	0.23	6	1.21	0.31	-0.05	25
PCN 578	7	90	24.7	80	0.59	3400	11.5	63	52200	0.03	153	1.29	4	8	2700	0.33	4.5	1.19	0.25	-0.05	20
PCN 579	7	90	39.7	30	1.42	5000	8.2	48	66800	0.03	86	0.73	3	10	13900	0.25	8.2	3.11	0.12	-0.05	11
PCN 580	7	90	33	110	0.95	2700	5.4	69	55500	0.02	57	1.3	4	10	1900	0.24	5.2	1.62	0.27	-0.05	20
PCN 581	7	90	38.1	130	0.89	1800	7.6	73	69900	0.02	114	1.4	3	8	2600	0.53	5.2	1.31	0.39	-0.05	22
PCN 582	7	90	54.7	110	1.25	1800	29	44	72000	0.04	442	2.29	8	14	500	0.84	2.1	0.98	0.79	-0.05	32
PCN 583	7	90	84.5	90	0.32	800	16.7	38	56100	0.07	235	3.72	7	18	500	1.14	2.1	1.07	0.57	-0.05	20
PCN 584	7	90	46.1	160	0.28	2700	18.8	59	45000	0.04	282	1.74	4	11	1600	0.62	3.8	0.9	0.46	-0.05	18
PCN 585	7	90	30.6	150	0.16	2400	10	50	53300	0.03	158	1.21	3	8	1800	0.57	2.4	0.55	0.58	-0.05	24

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 586	7	90	34	110	0.25	800	4.9	27	66100	0.04	122	1.97	3	15	500	1.02	2.1	0.91	0.34	-0.05	16
PCN 587	7	90	43.1	90	0.33	700	8.3	29	59100	0.06	168	2.29	4	16	500	1.08	3	1.09	0.37	-0.05	14
PCN 588	7	90	36.3	160	0.4	1700	10.7	34	46300	0.07	242	2.01	6	16	800	1.45	2.2	1.26	0.61	-0.05	16
PCN 589	7	90	41	220	0.68	3900	10	32	46300	0.03	234	2.01	4	16	1900	2.36	3.3	1.38	0.5	-0.05	25
PCN 590	7	90	51.2	220	1.13	1900	8.1	38	54400	0.03	323	2.2	4	17	2800	2.31	3.8	1.72	0.45	-0.05	25
PCN 591	7	90	39.7	210	1.33	3400	23.2	63	47400	0.04	662	1.69	10	14	1100	1.13	2.7	0.94	0.76	-0.05	62
PCN 604	7	90	57.3	90	3.34	3600	4.6	65	52200	0.04	169	7.17	3	29	1400	0.43	11.5	0.7	0.47	-0.05	20
PCN 605	7	90	51.1	100	2.71	3700	8.9	74	55600	0.02	291	10.8	5	35	1700	0.4	10.4	0.54	0.43	-0.05	29
PCN 606	7	90	54	100	2.29	4600	6.9	78	60000	0.02	216	11.45	4	48	2600	0.33	10.5	0.46	0.43	-0.05	36
PCN 607	5	90	46.6	90	1.64	3400	12.3	59	47400	0.02	324	14.35	4	38	1400	0.36	6	0.58	0.4	-0.05	38
PCN 608	7	90	53.7	90	2.25	2300	14.4	57	55900	0.01	382	14.15	5	34	1100	0.58	6.6	0.9	0.37	-0.05	32
PCN 609	7	90	36	100	1.27	3500	20.5	59	46200	0.01	721	7.56	5	27	1200	0.43	3.3	0.59	0.53	-0.05	45
PCN 610	7	90	19.4	80	1.37	3900	13.2	52	30900	0.02	561	4.11	4	22	400	0.23	1.8	0.32	0.74	-0.05	49
PCN 611	7	90	7.5	80	0.6	5400	16.4	37	23200	0.02	1040	1.7	5	15	300	0.23	1	0.2	1.54	-0.05	48
PCN 612	7	90	10.2	90	0.57	6000	14.5	45	31600	0.01	743	1.02	6	14	400	0.21	1.2	0.28	1.51	-0.05	54
PCN 613	7	90	9.4	90	0.59	6200	12.7	37	28300	0.02	800	1.16	5	12	300	0.19	1.1	0.29	0.99	-0.05	55
PCN 614	7	90	11.6	100	0.68	5000	15.7	37	31000	0.01	839	1.69	5	12	500	0.29	1.5	0.44	1.07	-0.05	43
PCN 615	7	90	7.3	90	0.43	3900	10.1	29	26000	0.01	512	1.4	5	9	400	0.31	1	0.27	0.85	-0.05	37
PCN 616	7	90	10.2	90	0.98	5000	11.8	34	33800	0.01	734	1.62	6	11	400	0.45	1.5	0.42	0.66	-0.05	36
PCN 617	7	90	42.1	100	1.53	2300	4.3	61	70600	0.02	109	2.05	3	8	3600	0.62	7	2.53	0.21	-0.05	13
PCN 618	7	90	74.4	100	1.74	1400	2.5	120	108000	0.04	71	2.42	2	8	3200	0.75	9.8	2.8	0.21	-0.05	14
PCN 619	7	90	111	110	5.72	1000	5.2	28	56400	0.06	185	6.66	2	39	2200	1.12	14.8	4.07	0.11	-0.05	9
PCN 620	7	90	58.2	120	8.18	1200	7.3	19	47600	0.03	199	4.59	4	16	900	0.88	7.8	2.84	0.12	-0.05	11
PCN 621	7	90	116.5	130	10.8	2000	6.1	28	63500	0.03	260	5.5	3	23	1400	1.27	12.7	5.07	0.14	-0.05	10
PCN 622	7	90	57.2	100	7.65	2600	7.3	36	61000	0.02	255	4.04	3	14	1000	1.22	10.2	3.96	0.14	-0.05	12
PCN 623	7	90	52.6	140	11.95	1500	4.9	26	60500	0.01	181	5.96	4	25	2400	2.4	11	3.07	0.15	-0.05	10
PCN 624	7	90	82.6	90	6.59	1900	5.3	30	67600	0.02	170	5.99	2	17	1200	1.18	13.8	2.56	0.12	-0.05	10
PCN 625	7	90	61.2	100	4.07	1600	7.7	35	48400	0.02	200	5.33	4	20	1400	0.98	11.2	2.22	0.1	-0.05	11
PCN 626	7	90	23.2	70	6.18	2400	10	12	27100	0.02	382	5.54	4	28	4500	0.93	9.2	2.17	0.08	-0.05	9
PCN 627	7	90	38.9	90	8.79	2100	11.2	27	38300	0.07	350	4.24	3	22	700	0.83	14.7	3.14	0.1	-0.05	8
PCN 628	7	90	36.8	90	11.8	2000	6.4	15	29000	0.01	239	2.99	3	20	3000	1.19	14.1	1.53	0.14	-0.05	8
PCN 629	7	90	81.6	90	4.47	1500	12.6	48	45800	0.02	275	2.46	4	14	1400	1.17	9.7	2.41	0.14	-0.05	10
PCN 630	7	90	34.1	100	1.33	1300	3.9	83	46200	0.02	118	1.57	3	8	2300	0.75	6.7	1.75	0.25	-0.05	11
PCN 631	7	90	25.5	110	1.2	2200	6.7	143	59400	0.01	253	1.56	4	12	2000	0.52	5.8	1.27	0.39	-0.05	40
PCN 632	7	90	18.2	110	0.26	8900	22.9	84	60100	0.02	332	1.11	8	9	700	0.18	1.9	0.4	0.49	-0.05	66
PCN 633	7	90	16	20	0.43	5300	5.5	42	60500	0.04	159	1.75	3	14	9400	0.32	6.7	0.29	0.29	-0.05	28
PCN 634	7	90	34.3	100	1.1	2400	11.8	88	64500	0.06	237	1.09	5	11	600	0.32	3	1.29	0.32	-0.05	34
PCN 635	7	90	30	170	1.69	2700	27.6	59	46500	0.05	507	1.83	10	12	1300	0.74	4.3	1.51	0.26	-0.05	25
PCN 636	7	90	18.5	120	0.38	4800	21.1	93	61700	0.02	599	1.16	6	11	1300	0.29	1.8	0.36	0.57	-0.05	59
PCN 637	7	90	20.9	130	0.55	4600	16.9	90	60100	0.03	488	0.82	6	9	1000	0.25	2	0.52	0.48	-0.05	55
PCN 638	7	90	24.8	110	1.02	4800	22.7	88	51700	0.07	498	2.81	9	15	700	0.31	2.8	0.62	0.53	-0.05	53
PCN 639	7	90	38.2	30	5.77	10400	13.1	33	28400	0.05	505	13.05	4	25	4400	0.64	2	0.67	0.22	-0.05	30
PCN 640	7	90	29.5	100	2.99	5800	40.4	39	21300	0.21	647	8.37	6	8	1800	0.67	2.4	0.72	0.31	0.05	28

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 641	7	90	62.5	130	4.64	3600	12.6	89	37600	0.07	344	19.95	6	17	1100	0.63	2	0.62	0.94	-0.05	40
PCN 642	7	90	25.3	160	1.85	3000	22.5	45	32600	0.03	646	14.35	10	17	1200	0.65	0.8	0.35	0.6	-0.05	41
PCN 643	7	90	22.5	200	0.89	4100	36.5	66	38200	0.02	867	4.19	12	15	500	0.48	0.8	0.21	0.87	-0.05	57
PCN 644	7	90	28.2	210	2.15	2700	63.7	56	37400	0.02	1305	12.5	11	20	800	0.54	1.2	0.36	0.83	-0.05	45
PCN 645	7	90	25.4	200	0.75	3900	39.1	72	41600	0.02	960	2.42	11	14	600	0.33	1.6	0.35	0.92	-0.05	51
PCN 646	7	90	28.5	120	0.94	4400	16.3	76	53400	0.02	398	1.29	4	10	2000	0.29	2.9	0.68	0.46	-0.05	33
PCN 647	7	90	29.6	110	0.86	4100	17.1	78	50900	0.02	406	1.35	4	11	1800	0.25	3.6	0.69	0.45	-0.05	36
PCN 648	7	90	30.3	110	0.86	3100	16	65	56900	0.01	445	1.71	4	11	1900	0.53	3.5	0.87	0.41	-0.05	34
PCN 649	7	90	34.5	130	1.26	3900	16	77	57300	0.02	479	1.51	5	11	2000	0.58	3.4	0.94	0.45	-0.05	36
PCN 650	7	90	14.7	120	0.36	8100	22.2	79	46000	0.03	828	0.83	9	10	500	0.26	1.7	0.26	0.77	-0.05	47
PCN 651	6	90	8.9	160	0.1	4400	19.1	49	36500	0.03	1615	0.7	8	13	200	0.36	0.7	0.06	0.79	-0.05	55
PCN 652	7	90	4.6	90	0.05	3100	10.2	32	28400	0.02	942	0.65	5	14	100	0.43	0.4	0.02	0.93	-0.05	53
PCN 653	7	90	6.1	100	0.08	4800	19.1	44	33500	0.02	1205	0.51	9	9	100	0.25	0.5	0.04	0.81	-0.05	57
PCN 654	7	90	5.1	120	0.08	10100	17.8	48	31600	0.02	840	0.51	8	11	100	0.26	0.6	0.03	0.67	-0.05	54
PCN 655	7	90	7.5	80	0.42	4100	11.7	31	25500	0.02	631	1.2	5	10	300	0.31	0.9	0.2	0.86	-0.05	42
PCN 656	7	90	6.8	110	0.41	5700	13.2	36	26900	0.02	831	1.54	5	11	400	0.35	0.9	0.18	0.9	-0.05	54
PCN 657	7	90	6.7	100	0.45	5600	13.2	40	25500	0.01	668	1.25	4	11	400	0.29	0.9	0.17	1.12	-0.05	47
PCN 658	7	90	8.3	90	0.48	5600	13	38	28100	0.01	652	0.98	3	12	300	0.23	0.9	0.2	1.04	-0.05	49
PCN 659	7	90	17.9	100	0.96	5000	12.8	62	35900	0.03	682	1.8	4	11	1300	0.38	2.4	0.41	0.51	-0.05	50
PCN 660	7	90	24.1	100	1.08	6600	12.6	73	46100	0.04	456	1.77	2	12	1500	0.3	4.3	0.5	0.39	-0.05	48
PCN 661	7	90	26.1	80	1.08	4800	14.4	67	48600	0.03	597	2.13	2	12	1600	0.37	3	0.52	0.38	-0.05	49
PCN 662	7	90	25.9	100	0.97	4000	17.3	71	56500	0.04	785	1.66	3	12	1800	0.37	3.2	0.62	0.36	-0.05	52
PCN 663	7	90	24.5	80	0.84	6500	12.5	78	44800	0.07	640	1.58	4	10	2400	0.31	4.4	0.54	0.33	-0.05	48
PCN 664	7	90	25.9	70	0.88	4100	12	75	50200	0.06	571	1.13	3	10	2300	0.21	3.9	0.49	0.3	-0.05	43
PCN 665	7	90	29.4	80	1.26	3100	9.6	81	57100	0.16	448	1.9	2	11	3800	0.33	5.8	0.75	0.27	-0.05	39
PCN 666	7	90	27	50	0.9	2800	9.1	76	54600	0.1	459	1.59	3	9	3500	0.34	5.3	0.66	0.23	-0.05	35
PCN 667	7	90	31	80	0.95	2800	10.2	79	58900	0.11	584	1.49	3	10	3400	0.38	5.1	0.78	0.24	-0.05	32
PCN 668	7	90	33.8	80	0.74	4700	14.9	96	61200	0.15	688	1.26	4	10	3000	0.35	4.4	0.52	0.28	-0.05	55
PCN 669	7	90	30.5	60	0.57	5700	28.3	99	47800	0.13	1250	1.23	12	10	1000	0.48	2.8	0.53	0.43	-0.05	88
PCN 670	7	90	22.6	90	0.3	4400	33.3	117	56600	0.3	1250	0.7	16	9	300	0.49	2.3	0.72	0.37	-0.05	73
PCN 671	7	90	24.9	60	0.37	3000	12.8	137	64900	0.35	214	0.6	3	10	1400	0.46	6.7	1.11	0.37	-0.05	43
PCN 672	7	90	27.1	60	0.57	3600	6.4	93	66500	0.32	348	0.63	3	7	2400	0.45	7.1	0.49	0.18	-0.05	37
PCN 673	7	90	22.1	70	0.49	4100	14.4	92	56100	0.32	556	0.7	5	8	700	0.64	6.6	0.77	0.25	-0.05	46
PCN 674	7	90	12.5	60	0.19	6600	16.4	102	45500	0.3	754	0.53	12	5	700	0.44	2.2	0.36	0.37	-0.05	65
PCN 675	7	90	15.4	60	0.38	5200	17.9	124	47900	0.72	732	0.57	6	6	500	0.38	2.5	0.61	0.23	-0.05	41
PCN 676	7	90	17.1	80	0.5	6600	25.6	108	48800	0.05	1125	0.63	11	7	200	0.4	1.6	0.42	0.25	-0.05	68
PCN 677	7	90	21.9	70	0.69	6400	22.7	91	56300	0.11	1115	0.87	11	8	1700	0.41	3.6	0.61	0.31	-0.05	58
PCN 678	7	90	18.3	80	1.12	4500	23.1	97	45800	0.09	816	1.11	8	11	800	0.29	2.5	0.43	0.59	-0.05	59
PCN 679	7	90	23.7	90	0.69	5100	20	69	49100	0.07	949	1.33	8	9	1000	0.49	3	0.54	0.35	-0.05	58
PCN 680	7	90	24.6	100	0.78	4700	22.2	73	55000	0.04	885	1.14	7	9	900	0.38	2.7	0.67	0.38	-0.05	56
PCN 681	7	90	22.1	110	0.65	5400	22.6	82	46300	0.05	1055	1.2	8	10	400	0.29	2	0.55	0.46	-0.05	67
PCN 682	7	90	22	140	0.57	4900	19.1	77	44300	0.06	988	1.14	8	10	900	0.3	2.2	0.49	0.43	-0.05	68
PCN 683	7	90	46.1	130	0.45	4700	13.2	59	54200	0.24	443	1.7	7	9	400	0.6	2.8	1.39	0.51	-0.05	37

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 684	7	90	35.4	180	0.68	5400	20.9	72	47200	0.06	820	1.4	8	13	500	0.37	1.9	0.48	0.49	-0.05	47
PCN 685	7	90	25.2	120	0.81	4900	31.3	85	51900	0.04	1265	1.71	8	12	500	0.31	2.3	0.52	0.48	-0.05	54
PCN 686	7	90	23.6	100	0.82	3400	30.7	73	51400	0.03	876	2.55	7	13	1000	0.39	2.8	0.56	0.41	-0.05	45
PCN 687	7	90	27	100	1.46	2200	24.7	53	56300	0.03	737	2.1	6	13	900	0.39	3.6	0.72	0.3	-0.05	33
PCN 688	7	90	22.1	130	0.78	4900	17.6	91	52900	0.05	464	1.14	8	10	800	0.19	2.7	0.5	0.35	-0.05	46
PCN 696	7	90	15.4	100	0.14	8100	18	42	40400	0.02	1035	0.56	8	9	100	0.48	0.4	0.09	0.86	-0.05	86
PCN 697	7	90	25.5	80	0.55	4800	25.8	65	42100	0.04	1290	0.8	10	10	300	0.45	1.3	0.4	0.53	-0.05	75
PCN 698	7	90	26	80	0.61	5000	26.2	73	44400	0.03	1265	0.71	11	10	300	0.37	1.2	0.38	0.56	-0.05	69
PCN 699	7	90	27.2	70	1.38	5300	19.9	82	59000	0.13	866	0.68	10	9	700	0.48	3	0.89	0.56	-0.05	61
PCN 700	7	90	14.6	60	0.08	10600	18.9	47	42700	0.02	813	0.41	8	10	-100	0.61	0.3	0.03	0.98	-0.05	73
PCN 701	7	90	15.1	70	0.15	8700	22.3	79	44800	0.03	988	0.56	10	9	100	0.42	0.6	0.12	0.67	-0.05	74
PCN 702	7	90	16.2	70	0.13	7200	39	85	41900	0.05	1760	0.65	24	7	100	0.34	0.6	0.14	0.53	-0.05	101
PCN 703	7	90	28.2	60	0.3	4500	27.3	105	55800	0.1	1210	0.83	13	9	500	0.52	3	0.55	0.36	-0.05	72
PCN 704	7	90	25.1	70	0.4	3500	19.8	86	54200	0.09	877	0.74	10	7	1300	0.5	4.2	0.6	0.26	-0.05	50
PCN 705	7	90	20.5	70	0.43	5400	25.6	88	49200	0.11	1235	0.86	14	8	800	0.64	3	0.61	0.35	-0.05	71
PCN 706	7	90	20.8	80	0.37	5900	20.9	93	53900	0.09	974	0.91	10	6	1400	0.58	2.8	0.53	0.29	-0.05	65
PCN 707	7	90	20.1	80	0.52	5700	27.6	114	58800	0.09	1180	0.78	13	8	700	0.5	2.1	0.52	0.32	-0.05	60
PCN 708	7	90	24.4	80	0.39	6300	27.1	97	51500	0.06	1165	0.87	17	6	800	0.44	2.6	0.53	0.24	-0.05	60
PCN 709	7	90	21.7	90	0.37	4800	23.7	70	43600	0.06	1195	1.05	13	8	500	0.63	1.9	0.4	0.3	-0.05	69
PCN 710	7	90	19.5	80	0.5	5400	25.7	81	44100	0.04	1235	1.2	12	9	600	0.49	1.7	0.43	0.29	-0.05	68
PCN 711	7	90	22.3	100	0.66	4900	24	83	50600	0.06	1125	1.25	10	9	1100	0.39	2.7	0.5	0.35	-0.05	57
PCN 712	7	90	22.7	110	0.63	4000	27	69	46900	0.04	1200	1.29	8	10	600	0.47	2.7	0.61	0.36	-0.05	54
PCN 713	7	90	22.1	80	0.64	3700	28.1	81	51500	0.04	1040	1.27	8	10	500	0.46	2	0.46	0.39	-0.05	50
PCN 714	7	90	27.4	90	0.64	3000	21.7	60	52000	0.04	878	1.45	7	9	700	0.53	2.9	0.71	0.32	-0.05	45
PCN 715	7	90	21.6	80	0.59	2800	26.1	59	48000	0.04	961	1.32	6	11	400	0.55	2.2	0.64	0.35	-0.05	44
PCN 716	7	90	22.4	80	0.53	2800	23	57	51400	0.03	835	1.25	6	10	400	0.64	1.8	0.58	0.35	-0.05	39

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 064	13	90	22.5562	294.882	LOD	1724.44	120.535	69.88	27058.3	LOD	609.164	LOD	LOD	26.6608	LOD	8.38154	LOD	8.46846	LOD	LOD	65.8885
PCN 065	13	90	19.7338	419.126	LOD	2406.91	16.08	80.0062	29678.2	LOD	578.867	LOD	LOD	21.2885	LOD	26.5623	LOD	73.02	LOD	LOD	522.895
PCN 066	14	90	20.11	490.233	LOD	1657.69	LOD	35.7736	30949.7	LOD	893.313	LOD	LOD	31.4636	LOD	47.91	LOD	141.221	LOD	LOD	84.66
PCN 067	13	90	7.76385	493.227	LOD	1841.66	32.2654	73.5462	36966.5	LOD	1067.77	LOD	LOD	42.4031	LOD	38.0669	LOD	127.647	LOD	LOD	111.962
PCN 068	13	90	35.2962	560.429	LOD	3344.43	130.981	80.8362	41427.1	LOD	790.079	LOD	LOD	13.3738	LOD	22.77	LOD	79.5508	LOD	LOD	61.6662
PCN 069	13	90	5.69462	376.648	LOD	6170.75	47.69	51.1008	25160	LOD	496.688	LOD	LOD	6.69846	LOD	12.2723	LOD	52.44	LOD	LOD	67.7
PCN 070	14	90	9.73429	200.625	LOD	3025.79	91.1129	45.6093	36937.6	LOD	506.452	3.25286	LOD	3.44071	LOD	20.8771	LOD	64.44	LOD	LOD	129.101
PCN 071	14	90	7.72714	232.74	LOD	3105.68	53.6636	58.2414	43449.3	LOD	568.255	1.27	LOD	4.24	LOD	20.3693	LOD	84.0029	LOD	LOD	185.671
PCN 072	13	90	17.3892	282.43	LOD	3178.9	81.5915	80.9515	46077.8	LOD	620.972	LOD	LOD	5.07308	719.825	19.89	LOD	61.7862	LOD	LOD	60.67
PCN 073	14	90	37.0086	439.091	LOD	3628.47	121.222	90.3164	42362.2	LOD	493.436	1.81929	LOD	4.59143	LOD	51.4586	LOD	134.611	LOD	LOD	172.63
PCN 074	13	90	13.4015	222.314	LOD	1548.16	119.195	75.8438	27274	LOD	154.76	7.21154	LOD	27.7615	LOD	25.8454	1.46385	57.3415	LOD	LOD	30.3554
PCN 075	14	90	22.3893	149.595	LOD	1723.92	20.3536	54.495	28200.9	LOD	285.109	0.74286	LOD	8.73429	LOD	10.8671	LOD	28.0079	LOD	LOD	46.1236
PCN 076	14	90	32.9593	273.936	LOD	1978.32	15.3707	27.3407	27071.2	LOD	LOD	0.69714	LOD	3.39286	1902.59	20.8686	2.50429	64.6979	LOD	LOD	2.97857
PCN 077	14	90	18.9229	224.686	LOD	1401.84	98.8407	35.7193	33601	LOD	147.929	LOD	LOD	4.79643	1007.08	10.2886	1.95071	19.2343	LOD	LOD	97.0979
PCN 078	15	90	17.9807	250.347	LOD	1366.09	220.023	73.048	38484.8	LOD	89.0167	LOD	LOD	8.84	LOD	16.1987	2.75467	50.0413	LOD	LOD	36.6253
PCN 079	13	90	24.3423	133.565	LOD	3444.03	125.653	54.2162	39732.4	LOD	379.309	1.04385	LOD	5.13846	LOD	5.92923	0.76385	6.24	LOD	LOD	38.0162
PCN 080	13	90	32.74	219.791	LOD	1856.53	155.372	42.5338	45265.2	LOD	186.186	LOD	LOD	9.85231	LOD	19.4638	LOD	49.3769	LOD	LOD	80.3631
PCN 081	14	90	19.1407	358.19	LOD	2049.38	137.014	58.0579	40281.2	LOD	203.332	0.71071	LOD	4.18214	LOD	38.2707	4.13714	104.741	LOD	LOD	43.9021
PCN 082	13	90	18.9931	170.106	LOD	3280.7	209.791	79.5762	41392.3	LOD	304.687	LOD	LOD	5.39615	LOD	11.9331	0.61231	32.12	LOD	LOD	41.71
PCN 083	13	90	17.1046	242.14	LOD	1528.12	162.941	71.0838	44449.9	LOD	82.8423	LOD	LOD	1.40308	LOD	23.9777	0.74462	72.5708	LOD	LOD	30.4638
PCN 084	14	90	5.62786	245.509	LOD	3889.12	176.151	48.755	30333.1	LOD	244.534	3.64357	LOD	2.685	LOD	26.2643	LOD	69.9207	LOD	LOD	24.7943
PCN 085	13	90	48.4208	213.883	LOD	4743.31	61.0269	51.0062	31439.8	LOD	131.452	LOD	LOD	8.65923	LOD	5.27615	3.29538	16.7438	LOD	LOD	31.3508
PCN 086	12	90	1.19583	87.8525	LOD	56758.3	LOD	4.86083	6503.53	LOD	12.915	LOD	LOD	LOD	LOD	2.3775	LOD	15.53	LOD	LOD	9.75917
PCN 087	13	90	LOD	338.273	LOD	5764.19	34.4577	8.21538	21767.5	LOD	468.481	0.67923	LOD	4.25692	LOD	19.7638	LOD	62.4923	LOD	LOD	219.546
PCN 088	13	90	LOD	315.664	LOD	7254.56	LOD	8.82538	19919.8	LOD	463.988	LOD	LOD	8.24308	LOD	21.0662	LOD	48.3777	LOD	LOD	72.9285
PCN 089	21	90	0.56714	340.504	LOD	6661.46	LOD	21.0448	19296.6	LOD	549.18	LOD	LOD	4.80429	LOD	24.4124	LOD	74.8343	LOD	LOD	293.778
PCN 090	13	90	LOD	326.208	LOD	5085.89	LOD	19.6631	16649	LOD	398.672	LOD	LOD	6.31231	LOD	24.2023	LOD	69.45	LOD	LOD	52.8177
PCN 091	13	90	LOD	479.434	LOD	4023.63	16.8438	6.43231	21059.8	LOD	554.226	LOD	LOD	1.01077	LOD	56.0269	LOD	164.223	LOD	LOD	352.86
PCN 092	13	90	153.351	193.157	LOD	2416.8	20.5362	50.5969	27111.7	LOD	387.362	LOD	LOD	5.07615	LOD	15.4769	LOD	37.6877	LOD	LOD	42.4869
PCN 093	13	90	18.8638	282.955	LOD	2046.89	18.0969	65.8931	24905.4	LOD	371.912	1.03231	LOD	8.67615	LOD	24.5292	LOD	75.5854	LOD	LOD	78.2854
PCN 094	13	90	49.9285	413.466	LOD	861.348	153.177	47.2008	48316.5	LOD	301.364	3.24692	LOD	22.3308	LOD	34.7915	0.90462	92.49	LOD	LOD	33.5692
PCN 095	14	90	62.9257	271.135	LOD	1319.21	201.88	64.6114	48651.1	LOD	411.09	LOD	LOD	45.8921	LOD	26.8329	18.8457	71.2807	LOD	LOD	23.7671
PCN 096	13	90	40.2923	216.578	LOD	2484.51	82.9238	44.5738	29583.8	LOD	928.655	2.06077	LOD	28.5038	LOD	17.8877	5.64846	53.8223	LOD	LOD	70.2415
PCN 097	13	90	14.9562	113.222	LOD	1747.65	40.2423	48.9285	23974.2	LOD	394.56	5.15769	LOD	7.82769	LOD	21.43	LOD	46.5415	4.55308	LOD	42.9746
PCN 098	12	90	26.8017	98.2767	LOD	2133.06	34.3692	65.2575	24074	LOD	429.453	2.36167	LOD	12.07	LOD	LOD	LOD	LOD	LOD	10.7675	56.0958
PCN 099	13	90	36.1723	110.088	LOD	1071.99	113.633	90.1508	28796.9	LOD	241.564	8.04615	LOD	8.63538	LOD	3.50846	0.75	7.08231	LOD	LOD	38.3346
PCN 100	12	90	32.4133	142.514	LOD	1856	41.65	63.3917	32723.9	LOD	354.288	6.45417	LOD	11.345	LOD	6.1725	0.855	17.1367	LOD	LOD	53.4883
PCN 101	13	90	33.9731	105.269	LOD	2063.81	154.681	70.5677	32790.9	LOD	359.052	3.56769	LOD	19.3108	LOD	LOD	1.26923	LOD	LOD	LOD	58.6531
PCN 102	13	90	37.3031	145.105	LOD	902.472	52.7354	49.6715	31507.4	LOD	289.137	3.85154	LOD	21.4877	LOD	11.2623	2.13538	15.3015	LOD	LOD	32.4908
PCN 103	13	90	56.5285	166.634	LOD	996.955	121.432	71.7754	43624.7	LOD	99.5838	4.40154	LOD	20.9846	LOD	11.96	4.29385	33.1785	LOD	LOD	18.2377
PCN 104	13	90	30.9546	196.181	LOD	591.905	43.0554	45.53	32222.7	LOD	100.024	3.37462	LOD	10.5046	LOD	22.5377	0.63231	56.8169	LOD	LOD	22.8746
PCN 105	13	90	49.8862	213.957	LOD	2330.89	173.565	49.86	34094.3	LOD	441.624	0.78538	LOD	29.2769	LOD	2.43615	1.42308	LOD	LOD	LOD	37.2169
PCN 106	13	90	37.3523	239.473	LOD	1392.2	49.5954	42.4746	33620.4	LOD	206.025	0.99615	LOD	34.9869	LOD	13.2738	2.97769	28.4385	LOD	LOD	33.1608

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 107	13	90	56.3262	360.524	43.5269	350.335	LOD	16.0954	39052.6	LOD	27.3169	LOD	LOD	72.88	LOD	27.2562	3.64385	91.8808	LOD	LOD	11.9085
PCN 108	13	90	56.8462	242.772	7.36846	437.752	143.235	42.9208	46656	LOD	LOD	12.1069	LOD	140.459	LOD	12.6362	10.1715	55.3185	LOD	LOD	23.8354
PCN 109	13	90	43.3492	310.249	9.66538	535.007	113.786	47.2246	35796.7	LOD	11.1415	17.9015	LOD	72.3485	LOD	22.6169	2.51077	52.5623	LOD	LOD	27.9623
PCN 110	13	90	68.7985	293.296	LOD	979.027	70.2892	34.8315	51608	LOD	13.1554	18.4415	LOD	120.998	LOD	26.2462	3.88538	68.8954	LOD	LOD	24.9062
PCN 111	10	90	81.549	194.274	7.093	944.051	240.978	36.283	54627.1	LOD	112.408	7.281	LOD	67.469	LOD	19.382	16.8	77.106	LOD	LOD	12.295
PCN 112	14	90	57.7729	155.965	LOD	2066.01	108.822	45.9793	45970.6	LOD	322.443	LOD	LOD	61.4064	LOD	3.46071	11.4171	15.9243	LOD	LOD	36.1029
PCN 113	14	90	28.2279	104.973	LOD	2883.96	101.141	68.2271	33594.5	LOD	360.844	6.82357	LOD	21.485	LOD	3.67643	1.12071	LOD	LOD	LOD	41.6893
PCN 114	15	90	25.7353	129.496	LOD	2070.3	72.7933	35.3407	30809.4	LOD	276.379	1.01867	LOD	19.486	LOD	2.10867	0.44733	13.6047	LOD	LOD	24.1193
PCN 115	13	90	25.2215	152.563	LOD	2522.36	143.817	53.39	31081.8	LOD	492.211	LOD	LOD	16.9677	LOD	LOD	LOD	LOD	LOD	LOD	26.4877
PCN 116	13	90	61.2685	186.761	LOD	1044.37	177.495	69.7015	50424.9	LOD	50.7592	LOD	LOD	30.8923	LOD	3.84769	6.39231	19.8277	LOD	LOD	13.37
PCN 117	13	90	50.5885	240.208	LOD	604.213	165.162	30.6054	45449	LOD	LOD	LOD	LOD	20.8	LOD	17.0392	9.09846	46.3723	LOD	LOD	3.49692
PCN 118	13	90	63.7854	264.524	5.44846	247.338	319.018	27.1815	49109.2	LOD	LOD	LOD	LOD	24.2169	LOD	21.6192	7.11615	74.9654	LOD	LOD	6.41615
PCN 119	14	90	60.8729	205.329	10.3929	156.386	268.267	46.3614	47093.8	LOD	LOD	2.44071	LOD	30.4479	LOD	11.2821	9.90714	37.0614	LOD	LOD	29.075
PCN 120	13	90	70.8846	106.307	5.21385	182.712	337.164	73.6408	53485.3	LOD	14.7331	LOD	LOD	36.7377	LOD	LOD	6.55615	LOD	LOD	LOD	30.2262
PCN 121	14	90	72.2129	242.606	24.5829	389.124	247.11	43.3071	50552	LOD	LOD	LOD	LOD	32.915	LOD	24.4029	8.93143	63.5443	LOD	LOD	1.67214
PCN 122	13	90	28.4285	166.888	LOD	3541.95	LOD	75.6231	29348.7	LOD	962.934	LOD	LOD	17.2223	LOD	5.91077	LOD	7.25769	LOD	LOD	50.5054
PCN 123	13	90	31.3862	209.248	LOD	1996.96	49.6131	60.1715	30545	LOD	585.578	1.89154	LOD	18.5092	LOD	13.3985	LOD	42.5746	LOD	LOD	34.6985
PCN 124	13	90	25.4015	206.856	LOD	2815.19	157.872	63.4738	31965.2	LOD	470.071	LOD	LOD	17.8362	LOD	3.12462	LOD	11.36	LOD	LOD	50.6592
PCN 125	13	90	13.2454	222.076	LOD	4838.69	19.5292	58.2685	39538.4	LOD	821.745	0.67385	LOD	4.43462	LOD	7.44	LOD	22.7123	LOD	LOD	75.5985
PCN 126	13	90	10.4346	131.458	LOD	2864.96	133.718	70.7208	34682.4	LOD	542.856	LOD	LOD	1.48	LOD	8.05769	6.73154	10.7854	1.58154	LOD	76.4292
PCN 127	13	90	17.6369	152.056	LOD	2317.63	62.4962	77.0754	33226.7	LOD	304.051	2.48077	LOD	8.50692	LOD	14.54	0.73538	42.7569	LOD	LOD	53.4569
PCN 128	13	90	10.5792	216.907	LOD	2428.77	165.893	50.4108	29484.3	LOD	356.609	0.63154	LOD	1.62615	LOD	21.0531	1.42154	84.0862	LOD	LOD	39.6969
PCN 129	14	90	7.11643	12.81	LOD	13470.9	24.9521	64.8621	18493.9	LOD	255.694	LOD	LOD	0.93429	LOD	LOD	6.90786	LOD	LOD	LOD	86.3021
PCN 130	13	90	1.76692	327.462	LOD	5084.58	LOD	14.9369	15552.3	LOD	459.337	0.86923	LOD	6.78923	LOD	10.1892	LOD	42.8785	LOD	LOD	49.0992
PCN 131	13	90	LOD	334.467	LOD	5616.89	21.8554	17.6646	19082.8	LOD	440	LOD	LOD	9.70385	LOD	13.3023	LOD	33.2385	LOD	LOD	55.8185
PCN 132	13	90	LOD	369.649	LOD	3972.61	14.3654	18.6654	15197	LOD	445.875	0.73462	LOD	8.89538	873.112	18.1015	LOD	54.4992	LOD	LOD	49.5446
PCN 133	14	90	0.80643	288.344	LOD	7557.06	18.3729	11.2043	17191.1	LOD	390.864	0.64786	LOD	8.22714	LOD	4.925	LOD	28.3157	LOD	LOD	49.8793
PCN 134	13	90	8.71615	238.008	LOD	5569.25	166.27	60.3162	23156.6	LOD	558.028	LOD	LOD	6.43385	LOD	15.2146	LOD	49.3462	LOD	LOD	59.5715
PCN 135	13	90	4.53231	243.545	LOD	3327.21	54.7908	36.39	18915.8	LOD	378.958	LOD	LOD	3.66846	LOD	8.10231	LOD	26.4069	LOD	LOD	43.2923
PCN 136	12	90	2.375	329.768	LOD	4728.66	LOD	21.8975	19467.1	LOD	433.63	LOD	LOD	9.33	LOD	18.6008	LOD	70.2275	LOD	LOD	36.4792
PCN 137	11	90	28.6882	200.732	LOD	4633.65	153.425	53.2691	25050.7	LOD	411.317	8.43636	LOD	13.76	LOD	3.84727	1.36455	19.7118	LOD	LOD	48.9282
PCN 138	11	90	30.7155	213.513	LOD	5440.18	186.815	81.2091	30330	LOD	798.683	7.53091	LOD	12.4645	LOD	LOD	LOD	LOD	LOD	LOD	79.3082
PCN 139	11	90	32.1555	204.823	LOD	4720.14	247.456	73.3555	32988	LOD	576.958	4.51364	LOD	7.25909	LOD	6.54182	LOD	21.04	LOD	LOD	64.9245
PCN 140	12	90	36.4225	218.223	LOD	4397.36	280.766	83.9375	41920.1	LOD	643.033	10.4033	LOD	12.99	LOD	6.88917	LOD	26.4233	LOD	LOD	93.6075
PCN 141	11	90	39.8164	219.035	LOD	2579.44	240.103	77.1409	36306.9	LOD	552.786	6.87545	LOD	10.2145	LOD	9.23273	0.70273	27.8627	LOD	LOD	59.6991
PCN 142	11	90	40.4282	205.595	LOD	4373.17	301.903	93	40097	LOD	477.849	12.6618	LOD	13.9509	LOD	LOD	3.12273	LOD	LOD	LOD	68.37
PCN 143	11	90	30.5836	185.51	LOD	4814.3	230.331	102.117	35986.9	LOD	1306.64	18.2	LOD	13.7582	LOD	5.37364	LOD	15.4836	LOD	LOD	99.1164
PCN 144	11	90	43.9136	443.404	LOD	2390.4	227.298	91.3873	33966.1	LOD	162.5	7.31909	LOD	14.1227	LOD	5.16273	2.45182	27.6345	LOD	LOD	49.7791
PCN 145	11	90	41.3727	265.197	LOD	1781.24	290.665	69.3945	36496.9	LOD	144.639	8.14	LOD	13.0018	1560.53	8.25091	5.74909	35.1127	LOD	LOD	50.8518
PCN 146	11	90	43.5555	247.235	LOD	1588.12	292.139	77.5145	39010.2	LOD	129.496	9.57727	LOD	17.8609	LOD	3.18182	8.99727	20.24	LOD	LOD	49.2482
PCN 147	11	90	43.6045	323.151	LOD	1967.31	170.845	57.8873	34421.3	LOD	97.5527	4.71909	LOD	26.2145	3257.26	12.7609	2.8	42.7855	LOD	LOD	45.3155
PCN 148	11	90	53.6527	205.503	LOD	1332.3	323.149	61.23	37272.1	LOD	137.62	6.54818	LOD	24.3845	LOD	LOD	1.97545	LOD	LOD	LOD	24.7073
PCN 149	12	90	42.005	271.263	LOD	502.663	453.896	46.5742	49421.6	LOD	35.7658	4.6875	LOD	38.46	LOD	11.9267	8.38167	40.6417	LOD	LOD	27.2

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 150	11	90	58.19	356.71	5.52636	813.046	271.061	12.8009	36805.4	LOD	14.9064	17.1191	LOD	78.8336	LOD	20.9864	0.79818	77.8555	LOD	LOD	12.3245
PCN 151	10	90	73.416	222.588	LOD	350.272	351.008	27.779	45703.7	LOD	14.764	32.063	LOD	50.88	LOD	3.624	9.188	10.128	LOD	LOD	11.413
PCN 152	10	90	55.828	240.557	LOD	563.4	399.083	25.994	47495.1	LOD	LOD	16.4	LOD	46.81	LOD	2.995	8.895	18.724	LOD	LOD	20.981
PCN 153	11	90	60.3755	213.275	LOD	652.642	386.663	26.3727	49194.4	LOD	34.2564	15.1809	LOD	51.4855	LOD	7.82545	5.49091	18.9373	LOD	LOD	13.4964
PCN 154	13	90	21.8708	172.345	LOD	1901.79	255.477	51.5031	43055.2	LOD	88.5585	8.71154	LOD	17.6615	1319.24	2.73462	0.85308	18.3854	LOD	LOD	14.3254
PCN 155	13	90	36.7662	177.452	LOD	2895.32	175.777	70.9338	37870	LOD	787.286	4.53308	LOD	10.8185	1188.94	2.59077	LOD	12.0138	LOD	LOD	57.5577
PCN 156	13	90	37.8646	174.912	4.42846	2782.14	224.798	75.95	43233.9	LOD	573.995	4.72077	LOD	12.9231	1412.32	2.75538	LOD	13.4123	LOD	LOD	37.6038
PCN 157	13	90	36.4946	209.514	LOD	3644.02	182.203	72.1692	36727.7	LOD	603.16	0.92538	LOD	11.9831	1534.15	9.20462	LOD	15.1062	LOD	LOD	42.6
PCN 158	13	90	80.7031	153.986	11.5915	1051.74	505.198	17.7038	61763.8	LOD	68.0377	4.93923	LOD	54.0877	LOD	3.35154	9.28231	8.94769	LOD	LOD	4.52154
PCN 159	13	90	79.1846	83.2077	18.7031	1322.69	403.565	40.6877	55742	LOD	14.0415	7.75308	LOD	63.7077	1235.55	4.15769	12.4715	18.23	LOD	LOD	34.0346
PCN 160	12	90	80.8542	71.8842	42.1608	1791.09	291.282	14.1292	56820.6	LOD	80.2092	13.18	LOD	70.5442	1731.66	10.0558	9.36667	30.3142	LOD	LOD	19.3933
PCN 161	14	90	85.6943	52.2	22.2743	3511.53	273.456	50.0136	50817.2	LOD	219.998	13.8121	LOD	42.6357	3996.9	5.60857	8.34429	9.74143	LOD	LOD	18.0507
PCN 162	10	90	153.468	123.996	6.638	2001.95	444.89	54.832	65658.3	LOD	61.757	12.138	LOD	58.957	LOD	3.752	11.054	13.938	LOD	LOD	11.463
PCN 163	10	90	73.369	169.843	17.722	2265.99	406.886	66.187	52786.3	LOD	32.939	9.906	LOD	39.486	LOD	2.97	9.304	32.796	LOD	LOD	18.25
PCN 164	15	90	27.876	126.418	LOD	2440.15	186.737	73.9307	29196.4	LOD	60.8607	11.2587	LOD	18.922	3720.27	6.938	LOD	36.894	LOD	LOD	122.003
PCN 165	9	90	31.4167	183.877	LOD	4767.81	379.07	71.1422	38800	LOD	318.094	5.28111	LOD	14.8422	2519.37	4.01333	LOD	LOD	LOD	LOD	26.4333
PCN 166	13	90	20.6462	57.1046	LOD	2965.33	163.235	81.8762	24066.7	LOD	824.576	13.2585	LOD	14.6146	1169.62	LOD	0.60615	LOD	LOD	LOD	180.097
PCN 167	13	90	28.6215	156.539	LOD	3318.94	87.3962	65.2769	24077	LOD	666.482	10.8231	LOD	24.5446	LOD	LOD	LOD	7.09231	LOD	LOD	37.7708
PCN 168	10	90	30.768	226.293	LOD	4608.04	121.378	64.803	27740.7	LOD	653.297	1.443	LOD	23.556	LOD	2.748	LOD	9.238	LOD	LOD	40.894
PCN 169	10	90	29.499	243.646	LOD	4543.82	89.586	57.092	25256.3	LOD	528.279	6.298	LOD	23.351	LOD	LOD	LOD	11.492	LOD	10.562	38.06
PCN 170	10	90	25.54	184.561	5.336	3853.25	131.199	66.895	24323.5	LOD	393.806	7.231	LOD	25.108	LOD	LOD	LOD	LOD	LOD	LOD	44.765
PCN 171	10	90	29.644	197.275	LOD	5814.68	76.902	55.638	26423.2	LOD	725.301	6.503	LOD	21.604	LOD	LOD	LOD	10.181	LOD	LOD	49.963
PCN 172	10	90	27.225	252.943	LOD	4883.36	107.537	60.217	32494.7	LOD	552.853	3.427	LOD	19.924	LOD	7.235	LOD	32.648	LOD	LOD	51.965
PCN 173	10	90	25.786	163.476	LOD	5511.48	141.833	45.458	24725.2	LOD	348.544	0.891	LOD	17.537	LOD	LOD	LOD	LOD	LOD	LOD	44.597
PCN 178	13	90	1.10846	161.67	LOD	5540.01	64.4046	46.2923	15848.2	1.17692	399.68	7.40923	LOD	8.87769	3170.74	3.06923	LOD	10.1854	LOD	LOD	193.153
PCN 179	10	90	5.244	278.043	LOD	7079.56	21.396	13.803	16705.6	LOD	322.522	2.361	LOD	4.41	LOD	LOD	LOD	9.701	LOD	LOD	37.691
PCN 180	13	90	32.3723	142.358	LOD	4689.5	130.945	54.0615	29511.5	LOD	364.122	8.47154	LOD	13.9969	2207.43	4.67154	1.44692	10.9031	LOD	LOD	182.477
PCN 181	10	90	40.161	120.324	LOD	2774.53	307.193	70.89	33830.3	LOD	475.564	5.772	LOD	11.421	LOD	LOD	2.513	LOD	LOD	LOD	52.419
PCN 182	11	90	42.7491	197.151	LOD	3511.58	317.929	71.5964	38691	LOD	400.105	2.75636	LOD	16.3127	LOD	LOD	3.28636	LOD	LOD	LOD	54.1164
PCN 183	10	90	36.695	166.395	LOD	2157.42	442.78	69.325	39343	LOD	135.383	6.468	LOD	8.259	LOD	2.943	5.851	13.745	LOD	LOD	43.483
PCN 184	13	90	29.4362	73.8823	LOD	2607.6	167.906	65.8923	25303.6	LOD	93.5992	11.4046	LOD	13.1985	3031.08	LOD	3.15154	LOD	LOD	LOD	68.1908
PCN 185	12	90	27.9242	144.715	LOD	2501.97	359.002	78.0067	32979.9	LOD	500.926	6.89833	LOD	41.0633	LOD	LOD	LOD	LOD	LOD	LOD	66.5258
PCN 186	13	90	22.7477	235.063	LOD	5895.12	320.962	87.2323	40725.3	LOD	766.907	3.86462	LOD	6.86923	LOD	2.27923	LOD	16.5531	LOD	LOD	76.6238
PCN 187	13	90	30.4108	169.758	LOD	2526.33	454.522	93.6808	43007.8	LOD	586.84	9.36231	LOD	7.15	LOD	LOD	LOD	7.33846	LOD	LOD	68.6423
PCN 188	16	90	35.3025	157.756	LOD	2196.1	277.631	47.1394	31902.5	LOD	106.466	10.4875	LOD	24.59	1113.62	LOD	4.8825	4.50188	LOD	LOD	40.9081
PCN 189	14	90	34.89	137.297	LOD	2457.82	260.356	41.4879	25461.5	LOD	36.835	15.9943	LOD	21.4586	4006.98	6.44214	5.66786	14.2571	LOD	LOD	25.71
PCN 190	13	90	43.9923	127.129	LOD	1786.39	247.068	19.3792	29379.7	LOD	13.9415	12.1431	LOD	23.1177	1440.46	LOD	14.1892	5.36	LOD	LOD	17.4254
PCN 191	13	90	38.5869	114.146	LOD	1488.78	415.162	46.9677	38047.5	LOD	58.4031	9.34615	LOD	25.0223	1400.91	LOD	4.18538	LOD	LOD	LOD	59.2177
PCN 192	15	90	45.902	176.599	LOD	1121.7	559.891	55.9153	61050	LOD	13.4907	9.20267	LOD	48.182	LOD	LOD	7.34	LOD	LOD	LOD	56.1633
PCN 193	13	90	26.7523	72.7877	LOD	1142.16	323.33	50.6015	27483.9	LOD	LOD	14.5292	LOD	27.49	1503.25	LOD	2.23923	LOD	LOD	LOD	30.9415
PCN 194	13	90	30.2631	56.5069	LOD	1354.25	218.355	35.7185	28769.5	LOD	22.5862	14.9162	LOD	36.0662	LOD	5.83923	1.63615	19.9123	LOD	LOD	19.4023
PCN 195	13	90	40.0908	8.44154	4.53538	2843.17	179.832	82.3062	34045.5	LOD	167.299	17.6331	LOD	35.6623	LOD	LOD	2.79769	LOD	LOD	LOD	36.6985
PCN 196	13	90	33.2969	55.3031	LOD	3811.63	275.86	63.1285	29848.2	LOD	376.754	10.2546	LOD	18.5469	LOD	LOD	LOD	LOD	LOD	LOD	50.9023

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 197	14	90	37.4379	131.231	LOD	2971.12	337.278	74.565	26913	LOD	339.595	9.015	LOD	8.16286	1381.63	3.205	LOD	8.18	LOD	LOD	36.1879
PCN 198	16	90	34.1994	78.3831	7.24813	3288.5	118.858	46.6669	19964.8	LOD	21.26	15.2638	LOD	32.2725	995.487	6.8325	0.56625	31.1375	LOD	LOD	26.395
PCN 199	13	90	51.4177	167.169	LOD	2200.33	154.606	25.4885	29947.7	LOD	23.2846	10.5477	LOD	39.9846	LOD	2.32846	2.55462	14.6485	1.42538	LOD	14.5562
PCN 200	13	90	30.5654	124.038	LOD	2122.94	317.725	46.8923	35183.6	LOD	55.7508	5.45308	LOD	20.7315	LOD	2.94769	LOD	9.43692	1.53923	LOD	10.73
PCN 201	13	90	39.2831	10.0377	9.80231	4833.65	169.827	23.1408	31214.3	LOD	180.148	13.9477	LOD	35.7385	1640.46	LOD	3.55	LOD	LOD	LOD	22.5485
PCN 202	10	90	38.683	89.82	LOD	1961.12	191.335	28.264	20050.4	LOD	LOD	14.482	LOD	19.813	1660.57	LOD	5.896	LOD	LOD	LOD	168.608
PCN 203	13	90	71.9846	135.457	LOD	1860.28	506.471	86.8315	54976.4	LOD	120.202	16.5277	LOD	65.1	1525.02	3.72154	9.19462	14.0108	LOD	LOD	30.8977
PCN 204	13	90	69.4685	135.346	LOD	3891.93	298.164	76.8877	48014.4	LOD	227.612	4.74154	LOD	21.0923	3325.18	2.88846	7.88462	22.8369	LOD	LOD	35.7285
PCN 205	13	90	44.6515	155.749	LOD	4467.53	283.315	62.7608	37279.2	LOD	254.332	5.91846	LOD	9.70538	5970.72	LOD	6.19077	6.94462	LOD	LOD	33.9446
PCN 206	13	90	44.58	191.063	LOD	3759.37	202.267	54.3608	36457.5	LOD	250.9	5.80615	LOD	22.0362	6448.47	2.57462	6.68615	9.99077	LOD	LOD	24.8108
PCN 207	13	90	40.2554	135.581	LOD	4045.07	276.308	63.3446	33517.6	LOD	386.712	6.99077	LOD	15.3362	LOD	LOD	1.92692	LOD	LOD	LOD	43.0631
PCN 208	13	90	39.3538	185.488	LOD	3805.17	140.455	67.1354	33292.1	LOD	467.77	6.29692	LOD	22.2662	LOD	LOD	LOD	LOD	LOD	LOD	45.0408
PCN 209	13	90	32.7623	183.267	LOD	4379.92	277.528	79.7823	35635.5	LOD	527.545	5.62615	LOD	17.4531	LOD	2.62231	LOD	8.50538	LOD	LOD	46.1385
PCN 210	13	90	27.5623	156.195	5.06538	4564.38	110.325	80.7154	28478.5	LOD	654.321	6.09154	LOD	14.0346	1269.49	2.57077	0.71615	7.81385	LOD	LOD	65.7815
PCN 211	13	90	26.8108	171.911	LOD	4955.23	91.3677	74.2815	29043.1	LOD	993.851	6.53538	LOD	11.7462	LOD	LOD	0.64	LOD	LOD	LOD	56.9208
PCN 212	13	90	18.6785	252.902	LOD	4046.71	111.858	63.9646	28930	LOD	759.15	7.27769	LOD	11.1438	LOD	LOD	0.58538	LOD	LOD	LOD	66.9423
PCN 223	10	90	24.281	125.046	LOD	5102.43	375.059	83.519	27003.8	LOD	323.219	7.551	LOD	6.737	LOD	LOD	0.715	LOD	LOD	LOD	45.147
PCN 224	10	90	31.693	181.391	LOD	3374.36	446.067	93.131	38098.7	LOD	564.32	1.061	LOD	10.249	LOD	3.287	0.801	LOD	LOD	LOD	58.016
PCN 225	10	90	37.269	191.662	LOD	1830.86	402.928	97.699	43774.1	LOD	232.541	0.859	LOD	1.622	LOD	LOD	LOD	LOD	LOD	LOD	66.86
PCN 226	13	90	32.95	137.612	LOD	2000.57	257.281	46.0315	29007.7	LOD	15.4577	11.0677	LOD	7.84846	1208.62	LOD	1.33	8.28462	LOD	LOD	31.8062
PCN 227	13	90	31.7185	257.868	LOD	1823.63	394.032	29.2108	39123.8	LOD	LOD	7.49846	LOD	3.55538	1468.7	3.54846	1.39846	9.73615	LOD	LOD	63.0169
PCN 228	10	90	65.804	224.245	LOD	1104.36	351.86	52.797	42770.8	LOD	LOD	1.051	LOD	LOD	2079.14	LOD	4.116	LOD	LOD	LOD	12.913
PCN 229	13	90	30.28	79.4	LOD	1865.55	251.124	21.5477	30749.9	LOD	11.7531	9.82385	LOD	6.89308	3259.09	5.36231	3.06385	18.1846	LOD	LOD	26.8077
PCN 230	10	90	48.377	80.568	LOD	3023.09	392.144	36.081	38538.8	LOD	270.635	0.976	LOD	11.17	1916.46	4.852	6.411	13.082	LOD	LOD	23.092
PCN 231	15	90	41.082	53.104	LOD	4185.72	210.793	44.8367	37048.9	LOD	861.292	9.32467	LOD	13.5547	LOD	2.54067	0.81667	LOD	LOD	LOD	45.23
PCN 232	17	90	42.9359	87.7482	LOD	2939.67	195.316	41.2041	34230.1	LOD	759.722	10.2688	LOD	20.9888	LOD	1.93353	0.63588	8.18176	0.95059	LOD	45.0776
PCN 233	13	90	59.4931	101.417	LOD	1958.43	290.793	55.4269	55721.8	LOD	740.023	9.05462	LOD	24.0131	LOD	LOD	LOD	LOD	LOD	LOD	26.1385
PCN 234	13	90	64.44	93.3777	LOD	2186.77	299.871	59.3738	42675.2	LOD	590.546	7.11538	LOD	20.5523	LOD	LOD	0.43692	LOD	LOD	LOD	51.4808
PCN 235	13	90	62.3985	279.617	LOD	1878.26	361.101	64.9477	48944.3	LOD	506.076	3.90308	LOD	15.8423	LOD	2.88154	2.03923	9.44462	LOD	LOD	29.2838
PCN 236	13	90	46.6292	281.522	LOD	1177.12	177.782	58.4738	41180.9	LOD	107.977	6.77692	LOD	14.1115	LOD	12.8531	1.29769	38.6746	LOD	LOD	19.8546
PCN 237	12	90	54.8575	99.0425	LOD	2238.68	428.658	72.1933	39503.8	LOD	13.5033	9.34	LOD	11.4708	1466.17	5.10917	2.9925	14.6042	LOD	LOD	141.382
PCN 238	14	90	35.1186	53.5164	LOD	752.422	159.701	51.5986	30160.6	LOD	LOD	11.9079	LOD	19.6314	LOD	LOD	LOD	LOD	LOD	LOD	15.3421
PCN 239	12	90	26.575	50.5525	4.24083	2216.91	103.269	29.4883	23953.2	LOD	35.1358	12.0817	LOD	21.7567	1476.33	4.69917	LOD	10.6792	1.16167	LOD	50.3533
PCN 282	3	90	17.63	186.593	LOD	2231.94	LOD	76.8	28759.6	LOD	LOD	3.57	LOD	18.9267	LOD	LOD	LOD	LOD	LOD	LOD	45.4733
PCN 284	3	90	41.5833	236.207	LOD	778.833	1949.54	31.5667	145416	LOD	LOD	LOD	LOD	24.81	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCN 287	3	90	76.7133	421.967	LOD	3353.45	547.25	16.3267	138392	LOD	115.367	LOD	LOD	30.2067	LOD	75.2333	LOD	199.04	LOD	LOD	33.41
PCN 289	1	90	50.28	55.48	LOD	1449.67	293.3	65.52	31379.7	LOD	243.12	LOD	LOD	25.82	LOD	LOD	LOD	LOD	LOD	LOD	20.4
PCN 290	3	90	34.6033	348.4	LOD	2300.31	350.597	12.99	29094.4	LOD	37.7367	7.96	LOD	54.03	5480.09	LOD	13.1333	LOD	LOD	LOD	8.7
PCN 292	3	90	8.64333	LOD	LOD	9439.82	236.627	47.2533	12267.7	LOD	133.023	LOD	LOD	8.32	LOD	LOD	LOD	LOD	LOD	LOD	50.0133
PCN 328	3	90	42.9567	83.2533	LOD	2580.69	376.033	39.3033	31526.2	LOD	118.69	3.93667	LOD	8.37333	5803.54	LOD	LOD	LOD	LOD	LOD	23.6067
PCN 330	3	90	57.57	45.04	LOD	2118.01	272.927	39.6433	17408.9	LOD	166.583	9.96	LOD	22.1933	LOD	LOD	LOD	LOD	LOD	LOD	17.46
PCN 331	3	90	187.807	136.63	LOD	2420.99	71.74	16.01	20829.8	LOD	50.9133	3.86667	LOD	4.99667	LOD	11.95	3.19667	44.3533	LOD	LOD	26.6467
PCN 332	3	90	29.4	161.223	LOD	3786.56	202.667	LOD	26610.8	LOD	137.63	4.51667	LOD	10.8633	LOD	9.48	LOD	36.7633	LOD	LOD	22.6333

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 333	3	90	22.4867	89.7367	LOD	3029.24	525.553	18.9133	53725.9	LOD	160.453	LOD	LOD	7.02667	LOD	13.7333	LOD	36.0833	LOD	LOD	9.38667
PCN 334	3	90	22.2867	LOD	LOD	18429.6	108.617	14.5	19346.5	LOD	1288.45	8.51667	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	47.4767
PCN 335	3	90	36.52	166.09	LOD	5054.28	107.89	53.9433	43624.5	LOD	380.61	LOD	LOD	6.36667	LOD	LOD	LOD	LOD	LOD	LOD	30.2267
PCN 336	3	90	25.78	33.69	LOD	5162.53	408.38	60.1	46422.6	LOD	262.223	4.25	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	51.4967
PCN 338	3	90	25.9267	57.0733	LOD	4763.16	311.33	18.44	31919.6	LOD	297.46	4.04667	LOD	5.68667	LOD	LOD	2.77667	LOD	LOD	LOD	34.2
PCN 339	3	90	27.2767	187.36	LOD	3029.24	LOD	61.4333	39750	LOD	246.583	LOD	LOD	5.32667	LOD	LOD	LOD	LOD	LOD	LOD	36.19
PCN 342	3	90	19.92	85.5467	LOD	1748.77	136.297	21.0267	30756.6	LOD	402.807	LOD	LOD	15.5767	LOD	LOD	LOD	30.5033	LOD	LOD	12.46
PCN 345	3	90	31.4467	320.6	LOD	2133.3	LOD	60.28	31618	LOD	880.223	LOD	LOD	10.9167	LOD	LOD	LOD	27.6367	LOD	LOD	56.5767
PCN 349	3	90	22.8467	309.887	LOD	2472.03	341.833	65.3	28362.2	LOD	677.993	LOD	LOD	6.75333	LOD	25.6	LOD	84.76	LOD	LOD	67.13
PCN 350	3	90	15.9867	368.14	LOD	1600.7	110.17	33.4767	31145.6	LOD	511.247	LOD	LOD	13.16	LOD	13.02	LOD	51.88	LOD	LOD	56.1633
PCN 351	3	90	13.12	148.45	LOD	1857.34	351.263	69.9133	22223.6	LOD	493.403	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	52.6367
PCN 352	3	90	19.7733	293.183	LOD	2442.34	135.08	17.8567	30268.8	LOD	573.783	3.56333	LOD	17.86	LOD	15.02	LOD	103.517	LOD	LOD	34.0467
PCN 471	7	90	25.37	212.44	LOD	3927.94	288.964	54.6929	30943.8	LOD	485.864	7.06571	LOD	8.24143	LOD	LOD	LOD	30.3	LOD	LOD	52.3143
PCN 472	7	90	26.5286	205.286	LOD	5089.24	180.006	71.0857	31146.8	LOD	583.587	7.39571	LOD	16.6786	LOD	LOD	LOD	LOD	LOD	LOD	71.9786
PCN 473	7	90	41.1171	217.981	LOD	4552	256.529	74.3371	46094.7	LOD	383.147	3.54	LOD	10.9929	LOD	LOD	1.38	23.35	LOD	LOD	63.5529
PCN 474	7	90	55.67	209.827	LOD	2715.54	540.784	81.61	60352.9	LOD	248.306	5.61143	LOD	9.78857	LOD	LOD	7.40143	LOD	LOD	LOD	72.7343
PCN 475	7	90	29.6743	218.579	LOD	2864.86	98.1957	76.55	31388.4	LOD	42.3271	2.23714	LOD	25.6043	LOD	LOD	6.56571	13.1871	LOD	LOD	42.8171
PCN 476	7	90	24.9043	71.8186	18.9957	2934.52	162.294	40.7843	27918	LOD	109.346	10.2243	LOD	28.4029	LOD	LOD	8.20143	LOD	LOD	LOD	28.24
PCN 477	7	90	30.1943	255.134	LOD	2553.54	253.154	72.5486	40475.8	LOD	124.44	10.1786	LOD	13.5129	LOD	LOD	2.54857	12.5386	LOD	LOD	35.6671
PCN 478	7	90	34.6371	286.877	LOD	1334.69	498.32	53.8886	49689.1	LOD	23.9857	6.48571	LOD	18.0671	3344.35	4.94571	6.20429	LOD	LOD	LOD	8.27143
PCN 479	7	90	58.16	107.696	LOD	2109.24	240.76	68.8643	44945.3	LOD	138.696	3.52429	LOD	18.4214	LOD	LOD	4.39857	LOD	LOD	LOD	28.79
PCN 480	7	90	56.1371	101.791	11.4114	2399.54	43.3114	80.1886	34244.2	LOD	219.959	11.0229	LOD	51.7071	2899.11	LOD	2.17143	LOD	LOD	LOD	36.7371
PCN 481	7	90	60.7943	34.4371	15.8543	2494.05	296.944	93.42	39346.7	LOD	392.749	10.7729	LOD	37.31	LOD	LOD	LOD	LOD	LOD	LOD	27.3971
PCN 482	7	90	61.0057	54.4529	LOD	5059.53	476.747	104.577	44692.6	LOD	398.95	15.5114	LOD	35.9671	LOD	LOD	8.32571	LOD	LOD	LOD	37.1714
PCN 483	7	90	71.9171	84.1686	LOD	1704.34	356.156	98.0957	49459.3	LOD	48.8271	8.38714	LOD	10.8386	LOD	LOD	7.36286	LOD	LOD	LOD	28.4814
PCN 484	7	90	77.3229	238.4	LOD	1511.56	546.799	71.2957	59585	LOD	LOD	3.59714	LOD	13.7971	LOD	5.48286	6.49571	LOD	LOD	LOD	4.08
PCN 485	7	90	67.2357	211.26	LOD	791.654	372.063	66.5186	47476.1	LOD	LOD	2.69	LOD	13.1843	1418.74	LOD	3.98857	16.3657	LOD	LOD	3.96286
PCN 486	7	90	69.7157	218.069	LOD	1088.6	484.304	71.4343	42046.9	LOD	19.9429	7.00714	LOD	18.25	LOD	LOD	5.6	LOD	LOD	LOD	6.50286
PCN 487	7	90	39.7529	180.743	LOD	2210.03	296.43	68.6886	32370.4	LOD	LOD	3.07857	LOD	22.6286	LOD	LOD	1.98143	LOD	LOD	LOD	27.1929
PCN 488	8	90	45.4788	116.176	LOD	1063.21	336.906	75.4963	37979.9	LOD	34.5088	8.52875	LOD	23.6013	LOD	LOD	0.9025	LOD	LOD	LOD	24.4113
PCN 489	7	90	41.8243	138.761	8.26571	817.997	353.381	78.2986	39158.6	LOD	18.7729	5.78429	LOD	24.7986	LOD	LOD	3.26857	LOD	LOD	LOD	28.0757
PCN 490	7	90	43.6529	127.203	LOD	971.587	214.181	63.77	30710.5	LOD	125.847	6.10143	LOD	30.9271	LOD	LOD	LOD	LOD	LOD	LOD	29.8257
PCN 491	7	90	70.7	126.646	68.02	1373.23	282.824	65.5957	34420.9	LOD	181.101	12.4257	LOD	47.2771	LOD	LOD	1.46571	13.78	LOD	LOD	37.5357
PCN 492	7	90	90.8357	41.8614	176.014	1856.06	31.9471	81.51	23964.2	LOD	124.456	19.8886	LOD	48.5286	LOD	LOD	LOD	LOD	LOD	LOD	29.4414
PCN 493	7	90	62.5043	LOD	117.003	3776.32	123.349	94.1571	18490.4	LOD	74.58	18.8914	LOD	45.3643	LOD	LOD	4.80143	LOD	2.03143	LOD	22.0571
PCN 494	7	90	49.3914	102.811	12.9557	2142.59	304.539	62.3343	42847.9	LOD	60.5714	16.2543	LOD	30.9386	LOD	LOD	1.45	LOD	LOD	LOD	23.8429
PCN 495	7	90	35.0386	235.153	LOD	1391.83	348.046	69.15	43518.9	LOD	LOD	9.1	LOD	59.1029	LOD	LOD	1.28	LOD	LOD	LOD	21.7543
PCN 496	7	90	37.2857	284.676	LOD	651.579	359.766	93.4729	49795.5	LOD	24.5114	2.82286	LOD	38.2129	LOD	16.7457	6.62857	51.4243	LOD	LOD	33.9814
PCN 497	7	90	31.64	339.161	LOD	1509.76	85.4171	90.9971	33529.3	LOD	123.296	7.61286	LOD	73.4657	23132.8	8.78143	6.44857	14.7414	LOD	LOD	60.1457
PCN 498	7	90	28.2914	303.23	LOD	2016.91	102.88	94.5771	31383	LOD	61.8829	4.35714	LOD	43.8743	38716	4.60429	1.12429	14.32	LOD	LOD	36.1929
PCN 499	7	90	20.4343	293.596	LOD	4570.3	312.744	84.8914	37540.4	LOD	205.374	5.63714	LOD	11.1557	6681.4	LOD	1.27714	LOD	LOD	LOD	47.6543
PCN 500	7	90	34.6886	389.817	LOD	2646.24	456.924	52.0014	49838.2	LOD	238.757	LOD	LOD	15.6843	3395.11	10.6443	2.87857	41.55	LOD	LOD	38.9629
PCN 501	7	90	26.48	238.787	LOD	2189.65	108.593	60.6629	36670.4	LOD	188.439	1.49857	LOD	12.6	LOD	LOD	2.35714	11.94	LOD	LOD	40.5629

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 519	7	90	4.79857	321.827	LOD	6827.88	71.4671	33.8871	18104	LOD	484.963	1.35286	LOD	6.99429	LOD	LOD	LOD	LOD	LOD	LOD	50.0514
PCN 520	7	90	15.96	177.573	LOD	4827.01	73.71	67.3143	20918.5	LOD	507.037	5.11857	LOD	4.59	LOD	LOD	LOD	LOD	LOD	LOD	65.1886
PCN 521	7	90	20.27	164.45	LOD	4660.29	165.219	48.2571	24333.9	LOD	368.744	4.13857	LOD	4.34286	LOD	LOD	LOD	LOD	LOD	LOD	54.0429
PCN 522	7	90	27.19	214.47	LOD	2882.12	288.909	71.3771	25005.8	LOD	219.08	4.48143	LOD	2.33714	LOD	LOD	LOD	LOD	LOD	LOD	43.0829
PCN 523	7	90	25.2371	253.404	LOD	2533.96	357.69	74.9771	32471.7	LOD	22.9071	1.42143	LOD	11.5429	2576.33	LOD	LOD	LOD	LOD	LOD	42.55
PCN 524	7	90	25.8371	251.753	LOD	2147.88	134.173	91.5614	30840.2	LOD	197.574	1.31429	LOD	6.22714	3774.35	5.30857	LOD	16.9957	LOD	LOD	58.7943
PCN 525	7	90	30.8486	197.469	LOD	2223.24	236.5	67.0671	26939.4	LOD	192.816	4.20714	LOD	6.13286	LOD	LOD	LOD	LOD	LOD	LOD	33.74
PCN 526	7	90	32.1814	234.653	LOD	1526.64	332.136	37.2743	39631.5	LOD	19.3543	2.96	LOD	10.4443	6526.26	LOD	2.03429	15.6543	LOD	LOD	25.9557
PCN 527	7	90	42.89	153.12	LOD	1448.27	407.811	64.3843	40336.8	LOD	39.0157	LOD	LOD	12.4086	5480.67	LOD	2.25429	LOD	LOD	LOD	19.0829
PCN 528	7	90	39.2443	209.141	LOD	1538.05	172.783	46.2714	35266.3	LOD	LOD	4.64286	LOD	13.2614	LOD	LOD	1.09429	27.4129	LOD	LOD	14.16
PCN 529	7	90	45.1986	186.459	LOD	1069.34	365.566	75.4457	43249.4	LOD	21.7814	9.22	LOD	16.7614	LOD	LOD	1.23143	LOD	LOD	LOD	41.4814
PCN 530	7	90	39.6257	214.313	LOD	2002.46	643.244	94.27	54237.6	LOD	51.8886	8.27143	LOD	8.37714	LOD	4.65143	LOD	15.1686	LOD	LOD	56.2686
PCN 531	7	90	38.6629	110.1	LOD	1845.43	339.839	71.3443	38495.2	LOD	163.321	1.34857	LOD	15.7386	LOD	LOD	LOD	LOD	LOD	LOD	33.6414
PCN 532	7	90	47.4057	222.34	LOD	1313.53	539.983	74.4729	45886.3	LOD	68.5443	7.68429	LOD	12.9186	LOD	LOD	LOD	LOD	LOD	LOD	31.9414
PCN 533	7	90	55.7043	357.239	LOD	641.843	390.801	62.3886	45592.5	LOD	155.066	4.77571	LOD	23.0757	LOD	4.26571	1.08429	14.5314	LOD	LOD	44.1857
PCN 534	7	90	56.5157	48.6129	LOD	2251.09	336.167	76.6257	36838.5	LOD	129.299	6.41286	LOD	12.5629	3139.09	LOD	1.30143	LOD	LOD	LOD	32.5114
PCN 535	7	90	69.7957	74.2057	LOD	1879.4	328.396	71.4343	37962.2	LOD	LOD	8.23571	LOD	13.0914	LOD	LOD	2.33286	LOD	LOD	LOD	24.27
PCN 536	7	90	21.0757	166.867	LOD	1628.06	134.651	73.0371	32179.5	LOD	49.9414	2.83286	LOD	5.71571	9906.14	LOD	1.08571	LOD	LOD	LOD	28.87
PCN 537	7	90	20.3114	230.684	LOD	2227.29	117.699	75.2386	26246.1	LOD	93.76	2.67429	LOD	8.12571	17117.8	LOD	4.12143	LOD	LOD	LOD	25.0457
PCN 538	7	90	22.7529	251.351	LOD	3091.4	55.7143	83.5557	39836.5	LOD	327.25	1.80143	LOD	6.88714	6320.71	9.33429	LOD	15.66	LOD	LOD	66.3186
PCN 539	7	90	29.4557	226.009	LOD	1316.04	321.216	68.5243	50328.3	LOD	77.55	1.47571	LOD	12.4057	LOD	LOD	2.52429	16.41	LOD	LOD	46.4043
PCN 540	7	90	23.2171	246.887	LOD	1249.04	173.037	54.57	38435.4	LOD	71.3571	2.55714	LOD	11.1243	LOD	LOD	1.15143	LOD	LOD	LOD	47.43
PCN 541	7	90	25.9029	179.133	LOD	2743.87	55.0114	48.6857	30571	LOD	333.479	2.68	LOD	12.2971	LOD	LOD	LOD	17.8186	LOD	LOD	45.4743
PCN 566	7	90	21.3414	273.279	LOD	4404.15	76.27	65.9843	31399.3	LOD	500.816	1.61714	LOD	2.46	LOD	4.89	LOD	14.87	LOD	LOD	54.3886
PCN 567	7	90	47.0171	286.371	LOD	1749.8	327.201	46.97	42031.5	LOD	22.8686	LOD	LOD	9.42429	LOD	6.99571	2.54571	40.0886	LOD	LOD	19.1343
PCN 568	7	90	46.4086	213.921	LOD	4206.22	275.167	76.7757	44786.4	LOD	404.937	2.78857	LOD	9.59857	LOD	LOD	LOD	LOD	LOD	LOD	36.6243
PCN 569	7	90	37.0986	186.484	LOD	6253.9	274.476	58.64	45112.7	LOD	948.931	4.69143	LOD	13.2814	LOD	LOD	LOD	LOD	LOD	LOD	46.61
PCN 570	7	90	42.6729	193.396	LOD	4467.24	542.216	33.99	48764.5	LOD	686.32	1.53714	LOD	22.6314	LOD	LOD	2.94714	LOD	LOD	LOD	31.6071
PCN 571	7	90	42.3829	206.517	LOD	1026.26	418.354	46.3886	52053.1	LOD	140.961	1.44286	LOD	14.7086	LOD	LOD	2.28143	11.3843	LOD	LOD	18.5114
PCN 572	7	90	39.5329	175.544	LOD	1783.45	442.221	14.5829	53425.9	LOD	LOD	1.39714	LOD	9.94571	LOD	LOD	1.03	LOD	LOD	LOD	4.42286
PCN 573	7	90	38.3686	245.121	LOD	2890.17	472.464	50.9643	48649	LOD	27.0686	3.28286	LOD	10.3614	6663.96	LOD	6.00143	LOD	LOD	LOD	4.51857
PCN 574	7	90	37.9371	278.71	LOD	1891.54	221.079	53.2171	42662.8	LOD	21.6857	LOD	LOD	7.56429	LOD	LOD	3.93857	LOD	LOD	LOD	18.4043
PCN 575	7	90	33.7229	193.34	LOD	2254.71	227.193	52.0771	40169.1	LOD	42.6257	2.98	LOD	13.6514	3013.4	LOD	1.14429	LOD	LOD	LOD	24.2071
PCN 576	7	90	37.18	184.156	LOD	2197.59	126.644	57.7586	37020.2	LOD	44.9757	3.24857	LOD	8.11571	LOD	LOD	4.96286	LOD	LOD	LOD	23.4771
PCN 577	7	90	22.1171	162.871	LOD	2977.09	273.72	72.1557	33774.8	LOD	112.031	2.99857	LOD	7.45286	5353.86	LOD	LOD	LOD	LOD	LOD	26.8557
PCN 578	7	90	27.05	165.03	LOD	2912.38	200.911	76.4771	31097.2	LOD	132.596	5.73143	LOD	LOD	LOD	LOD	1.23857	LOD	LOD	LOD	27.8729
PCN 579	7	90	34.0143	164.076	LOD	3805.02	248.777	60.4129	33904.5	LOD	145.36	1.75	LOD	LOD	4276.23	LOD	4.10714	10.0286	LOD	LOD	17.6671
PCN 580	7	90	31.3371	184.433	LOD	2600.35	219.061	74.8671	39576.4	LOD	67.2771	1.26714	LOD	7.42143	9662.73	LOD	LOD	LOD	LOD	LOD	31.3229
PCN 581	7	90	24.4971	192.529	LOD	2070.07	499.83	109.539	51944.5	LOD	80.1586	LOD	LOD	10.1771	LOD	LOD	LOD	LOD	LOD	LOD	34.8971
PCN 582	7	90	37.2629	192.827	LOD	2611.08	354.926	75.1014	34445.7	LOD	422.914	3.66857	LOD	19.7057	LOD	LOD	LOD	LOD	LOD	LOD	45.7371
PCN 583	7	90	60.2843	173.536	LOD	1126.81	274.357	69.4214	33770.7	LOD	281.344	LOD	LOD	23.7886	LOD	LOD	LOD	10.52	LOD	LOD	34.2343
PCN 584	7	90	28.5443	191.386	LOD	4097.42	135.92	84.2629	25496.4	LOD	318.154	1.26	LOD	7.29857	8147.19	LOD	LOD	LOD	LOD	LOD	31.0643
PCN 585	7	90	19.53	174.877	LOD	4194.89	399.601	83.2357	40092.4	LOD	193.173	6.73	LOD	5.08429	6157.48	LOD	LOD	LOD	LOD	LOD	45.11

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 586	7	90	28.4914	254.179	LOD	1508.25	414.384	58.7371	51333	LOD	148.994	LOD	LOD	15.42	LOD	LOD	LOD	21.3057	LOD	LOD	33.2514
PCN 587	7	90	29.8414	209.217	LOD	1473.87	340.846	63.5629	42357.8	LOD	341.727	LOD	LOD	14.0286	LOD	6.68	LOD	16.4043	LOD	LOD	37.6014
PCN 588	7	90	31.9686	131.093	LOD	2226.43	145.083	82.7843	34957	LOD	292.33	7.07714	LOD	9.05571	2658.19	LOD	LOD	LOD	LOD	LOD	41.3257
PCN 589	7	90	31.7414	358.431	LOD	8999.86	340.596	67.98	33175.1	LOD	354.25	LOD	LOD	13.7514	2900.8	LOD	LOD	LOD	LOD	LOD	46.0986
PCN 590	7	90	33.4614	319.507	LOD	2698.98	137.859	86.9071	32788	LOD	414.151	1.45143	LOD	19.8014	2508.7	5.19143	LOD	12.4714	LOD	LOD	43.5771
PCN 591	7	90	32.8943	201.336	LOD	3430.78	251.831	77.5486	30430.4	LOD	554.196	2.84571	LOD	15.0086	LOD	LOD	LOD	LOD	LOD	LOD	60.1243
PCN 604	7	90	51.7686	275.201	LOD	2779.33	378.354	77.7486	39993.3	LOD	78.2086	6.11286	LOD	28.8771	LOD	5.27571	9.71857	28.9971	LOD	LOD	25.1243
PCN 605	7	90	35.5343	256.204	LOD	2859.7	289.8	70.3357	37521.9	LOD	203.483	10.18	LOD	32.2414	LOD	LOD	6.55571	LOD	LOD	LOD	37.1471
PCN 606	7	90	47.8129	217.301	LOD	5544.23	272.627	89.2229	45671.6	LOD	177.919	10.6857	LOD	37.2357	LOD	LOD	7.48143	LOD	LOD	LOD	41.1714
PCN 607	5	90	41.872	219.602	LOD	1069.24	203.518	73.502	30800.8	LOD	237.708	16.758	LOD	32.22	LOD	LOD	1.598	LOD	LOD	LOD	47.922
PCN 608	7	90	39.3729	161.054	LOD	2648.06	152.579	72.2	28525	2.15	361.149	16.0486	LOD	28.7829	LOD	LOD	LOD	LOD	LOD	LOD	47.5929
PCN 609	7	90	31.6143	199.566	LOD	3128.87	91.2086	71.25	25151.2	LOD	417.149	11.4257	LOD	25.1243	LOD	LOD	LOD	LOD	LOD	LOD	46.83
PCN 610	7	90	15.6886	168.686	LOD	3316.85	37.4171	70.7843	19408	LOD	345.891	5.50714	LOD	23.1643	3319.43	LOD	LOD	LOD	LOD	LOD	57.7643
PCN 611	7	90	6.67857	182.707	LOD	4833.8	66.8943	35.4757	17891.3	LOD	532.116	1.28571	LOD	12.07	LOD	LOD	LOD	LOD	LOD	LOD	55.9171
PCN 612	7	90	4.20429	282.823	LOD	5776.28	33.2314	36.9643	20994.1	LOD	547.5	1.80429	12.8129	13.5757	LOD	5.83286	LOD	27.1757	LOD	LOD	58.6757
PCN 613	7	90	8.64714	216.481	LOD	4309.89	71.2614	44.1843	20616.2	LOD	550.189	2.84286	LOD	12.7129	LOD	LOD	LOD	LOD	LOD	LOD	65.5243
PCN 614	7	90	LOD	233.934	LOD	5316.05	LOD	61.3371	18964.5	LOD	471.497	7.28714	LOD	18.4629	LOD	LOD	LOD	LOD	LOD	LOD	58.7814
PCN 615	7	90	3.32	315.884	LOD	5037.23	63.9771	39.6786	19286.3	LOD	545.86	2.82857	LOD	8.79	LOD	LOD	LOD	LOD	LOD	LOD	55.2229
PCN 616	7	90	9.81857	298.794	LOD	3630.33	94.9929	31.7929	21822.4	LOD	602.056	4.45714	LOD	11.8786	LOD	LOD	LOD	LOD	LOD	LOD	47.1729
PCN 617	7	90	41.1629	211.15	LOD	2026.22	435.759	94.1043	47399.8	LOD	22.8614	6.29143	LOD	5.46143	6551.53	LOD	LOD	LOD	LOD	LOD	13.2357
PCN 618	7	90	55.8186	175.284	LOD	2203.06	604.84	143.904	71390.5	LOD	60.35	8.87429	LOD	11.4871	15500	LOD	2.14143	LOD	LOD	LOD	22.1414
PCN 619	7	90	103.16	239.129	12.0257	1985.05	456.117	52.6614	56409.7	LOD	376.021	12.0629	LOD	59.7986	LOD	LOD	8.30286	LOD	LOD	LOD	20.2257
PCN 620	7	90	59.8743	312.301	LOD	2112.35	243.304	20.3129	43455.6	LOD	318.784	4.24143	LOD	23.3529	2795.54	7.09	2.39714	26.6443	LOD	LOD	20.7443
PCN 621	7	90	77.5371	245.956	LOD	3531.78	288.539	61.0114	47437	LOD	487.207	1.38857	LOD	28.5386	3071.76	LOD	3.84857	LOD	LOD	LOD	30.9343
PCN 622	7	90	45.7657	232.817	LOD	4933.49	382.134	69.1471	47909.6	LOD	429.493	LOD	LOD	25.4129	2904.62	LOD	5.05286	LOD	LOD	LOD	26.6371
PCN 623	7	90	49.9457	256.2	LOD	3117.05	239.959	55.5686	56652.6	LOD	381.707	1.84429	LOD	34.2629	4121.32	LOD	5.32714	11.5557	LOD	LOD	28.48
PCN 624	7	90	64.4857	198.944	LOD	4353.3	404.827	50.4629	49930.2	LOD	326.987	5.55286	LOD	26.3329	2950.6	LOD	6.37714	LOD	LOD	LOD	18.3286
PCN 625	7	90	43.82	185.387	8.50143	3018.39	190.547	54.4414	33350.4	LOD	423.663	2.84857	LOD	26.2371	LOD	LOD	5.93571	LOD	LOD	LOD	25.58
PCN 626	7	90	20.8643	238.531	7.79	6086.09	LOD	27.3029	21615.1	LOD	1094.65	4.70143	11.7143	45.39	10780.1	LOD	5.73571	LOD	LOD	LOD	27.5414
PCN 627	7	90	34.1871	253.447	15.8957	7022.88	131.78	31.3743	26371.3	LOD	898.191	1.60714	LOD	23.6914	LOD	LOD	8.07143	LOD	LOD	LOD	20.3343
PCN 628	7	90	44.2643	285.67	40.5986	7444.39	48.1571	7.48286	28023.2	LOD	547.464	1.55571	LOD	30.76	2816.84	6.99	12.4614	16.4514	LOD	LOD	29.83
PCN 629	7	90	61.13	197.684	LOD	3467.23	204.187	87.8771	34632.8	LOD	682.973	1.69	LOD	19.8971	LOD	LOD	5.12429	LOD	LOD	LOD	29.1629
PCN 630	7	90	31.0214	234.414	LOD	2771.43	309.981	157.836	37779	LOD	239.57	5.93286	LOD	9.46429	7305.86	LOD	2.27286	13.19	LOD	LOD	35.0629
PCN 631	7	90	21.1129	249.239	LOD	2374.84	454.066	165.941	43855	LOD	316.949	3.24714	LOD	11.2129	3453.22	LOD	1.22857	LOD	LOD	LOD	59.2657
PCN 632	7	90	24.3029	239.224	LOD	4002.43	342.399	109.347	48558.9	LOD	261.597	1.51429	LOD	2.47143	LOD	LOD	LOD	28.9229	LOD	LOD	59.3057
PCN 633	7	90	20.5486	275.913	LOD	2552.84	375.26	50.1014	44795.8	LOD	123.351	3.41143	LOD	2.35857	2840.52	LOD	2.46714	LOD	LOD	LOD	24.6214
PCN 634	7	90	32.04	321.119	LOD	2218.84	241.606	97.5186	50805.7	LOD	293.81	LOD	LOD	6.95857	LOD	4.73286	LOD	50.1257	LOD	LOD	49.9457
PCN 635	7	90	25.8143	303.364	LOD	4779.1	211.151	107.16	39151.1	LOD	673.149	3.65429	LOD	14.9	8759.21	LOD	1.45571	LOD	LOD	LOD	48.8529
PCN 636	7	90	27.0986	283.924	LOD	2850.47	461.667	95.3643	48657.4	LOD	579.553	3.06857	LOD	7.21	LOD	LOD	LOD	LOD	LOD	LOD	51.4543
PCN 637	7	90	68.3386	289.319	LOD	3448.86	366.177	112.917	64296.8	LOD	452.663	LOD	LOD	LOD	LOD	LOD	10.6971	LOD	LOD	LOD	55.8414
PCN 638	7	90	25.3	252.826	LOD	4100.56	372.804	91.3857	44251.6	LOD	424.02	4.84857	LOD	21.9614	LOD	LOD	LOD	LOD	LOD	LOD	54.0657
PCN 639	7	90	22.8843	LOD	LOD	15860.2	100.39	57.3843	15756.8	LOD	689.246	15.5971	LOD	26.5914	6521.53	LOD	LOD	LOD	LOD	LOD	59.1729
PCN 640	7	90	25.6843	36.4257	LOD	10380.1	55.3357	68.1671	16856.6	LOD	997.913	10.7529	LOD	12.1729	3157.64	LOD	0.95143	11.0057	LOD	LOD	62.7657

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 641	7	90	27.57	74.4814	LOD	4120.25	133.669	80.4129	16859.2	LOD	257.144	17.4571	LOD	8.45429	2818.65	LOD	LOD	LOD	LOD	LOD	52.1029
PCN 642	7	90	21.8486	335.146	LOD	5210.69	141.029	79.8886	29819.2	LOD	829.19	4.06143	LOD	12.73	2647.25	LOD	LOD	LOD	LOD	LOD	63.6214
PCN 643	7	90	11.4971	415.476	LOD	3985.86	43.3543	83.1086	32361.7	LOD	645.656	3.05857	LOD	19.8171	LOD	8.04429	LOD	38.0757	LOD	LOD	61.66
PCN 644	7	90	22.1	333.411	LOD	5247.27	213.123	84.7986	30674.7	LOD	718.13	2.80143	LOD	22.0486	LOD	LOD	LOD	LOD	LOD	LOD	65.0643
PCN 645	7	90	26.61	318.87	LOD	4773.71	229.761	72.4729	32672.5	LOD	767.399	LOD	LOD	7.58714	LOD	5.06571	LOD	15.4	LOD	LOD	62.7014
PCN 646	7	90	29.35	315.467	LOD	3127.05	246.354	90.0586	40898.6	LOD	378.679	2.66571	LOD	10.9871	LOD	LOD	LOD	23.4386	LOD	LOD	38.02
PCN 647	7	90	26.4457	318.514	LOD	1537.15	253.007	92.0929	39706.2	LOD	304.687	3.30429	LOD	9.00571	LOD	11.7943	LOD	40.9686	LOD	LOD	30.2014
PCN 648	7	90	27.5957	270.047	LOD	3456.79	296.453	71.51	38872.7	LOD	395.449	1.52857	LOD	7.06286	LOD	LOD	LOD	LOD	LOD	LOD	39.1214
PCN 649	7	90	30.65	265.447	LOD	2767.7	302.816	84.1386	40237.4	LOD	412.063	LOD	LOD	11.4171	2724.74	LOD	1.23143	14.1343	LOD	LOD	44.3286
PCN 650	7	90	23.9343	298.639	LOD	5028.62	179.456	73.3657	41532	LOD	555.46	LOD	LOD	2.73	LOD	LOD	LOD	LOD	LOD	LOD	40.7
PCN 651	6	90	4.95167	481.43	LOD	4045	219.113	58.075	31536.8	LOD	838.383	1.57	LOD	19.0883	LOD	8.58	LOD	26.43	LOD	LOD	56.0533
PCN 652	7	90	2.26571	455.2	LOD	3182.72	109.604	36.3929	22083.3	LOD	1044.32	LOD	LOD	23.96	LOD	LOD	LOD	LOD	LOD	LOD	56.47
PCN 653	7	90	3.74286	337.053	LOD	4948.81	50.5	57.51	30459.3	LOD	750.617	4.14714	LOD	21.0971	LOD	LOD	LOD	LOD	LOD	LOD	60.0614
PCN 654	7	90	LOD	343.054	LOD	6006.42	123.536	51.0286	28009.1	LOD	577.276	1.31286	LOD	17.9429	LOD	LOD	LOD	17.7543	LOD	LOD	53.1557
PCN 655	7	90	LOD	367.97	LOD	5081.95	31.1457	38.9843	21345.2	LOD	580.231	2.78143	LOD	13.6429	LOD	LOD	LOD	LOD	LOD	LOD	52.6857
PCN 656	7	90	1.85857	303.864	LOD	6690.85	30.1	40.5071	19382.4	LOD	679.376	LOD	LOD	10.9771	LOD	LOD	1.00286	LOD	LOD	LOD	63.4729
PCN 657	7	90	3.71143	256.54	LOD	5733.87	30.6357	45.1714	20848.5	LOD	509.503	1.65143	LOD	6.28714	LOD	LOD	LOD	LOD	LOD	LOD	59.6986
PCN 658	7	90	2.38857	333.956	LOD	4888.46	LOD	25.45	23303.1	LOD	500.141	LOD	LOD	12.7871	LOD	3.59571	LOD	10.8271	LOD	LOD	53.6686
PCN 659	7	90	15.5743	147.391	LOD	3972.62	180.779	79.3057	29385.4	LOD	513.131	3.98	LOD	9.71286	LOD	LOD	LOD	LOD	LOD	LOD	56.1629
PCN 660	7	90	25.5514	149.147	LOD	5517.39	202.129	78.3557	35963.9	LOD	408.279	3.15857	LOD	5.21	LOD	LOD	LOD	LOD	LOD	LOD	55.9871
PCN 661	7	90	23.7343	153.22	LOD	3420.07	246.246	81.4614	32441.9	LOD	519.907	8.09429	LOD	10.7543	LOD	LOD	LOD	LOD	LOD	LOD	59.46
PCN 662	7	90	25.1886	256.347	LOD	2297.86	228.226	86.48	39442.7	LOD	730.579	2.91714	LOD	11.7429	LOD	LOD	LOD	LOD	LOD	LOD	57.2357
PCN 663	7	90	19.5214	157.806	LOD	4753.96	157.477	78.1014	36771.2	LOD	505.486	3.08286	LOD	15.61	LOD	LOD	3.58143	LOD	LOD	LOD	53.6457
PCN 664	7	90	24.9343	234.344	LOD	3669.27	160.977	75.1029	39869.5	LOD	466.437	1.70857	LOD	8.63714	LOD	LOD	LOD	LOD	LOD	LOD	49.4229
PCN 665	7	90	29.2929	209.107	LOD	3435.09	273.74	84.25	43418.6	LOD	349.784	1.45857	LOD	11.7871	LOD	LOD	LOD	LOD	LOD	LOD	48.3643
PCN 666	7	90	30.0471	201.887	LOD	3261.02	218.646	79.6814	43822.8	LOD	522.116	LOD	LOD	2.14571	LOD	LOD	1.14857	12.33	LOD	LOD	45.3329
PCN 667	7	90	30.5743	271.237	LOD	2160.36	372.643	63.7429	45757.7	LOD	527.7	4.36714	LOD	9.47143	LOD	LOD	LOD	LOD	LOD	LOD	40.1971
PCN 668	7	90	31.0743	254.357	LOD	2819.15	193.496	78.1943	43576.8	LOD	623.407	LOD	LOD	4.78286	LOD	11.7386	LOD	35.3886	LOD	LOD	54.8386
PCN 669	7	90	33.8243	260.964	LOD	3583.96	112.087	101.466	44275.7	LOD	1143.18	6.59857	LOD	11.6557	LOD	LOD	LOD	LOD	LOD	LOD	76.0643
PCN 670	7	90	30.3429	246.317	LOD	3887.41	213.711	103.92	53770.3	LOD	1229.57	LOD	LOD	2.84429	LOD	3.92571	LOD	11.9257	LOD	LOD	85.7286
PCN 671	7	90	34.7586	220.871	LOD	2241.9	352.503	104.624	54540.2	LOD	215.837	1.91143	LOD	4.59714	LOD	LOD	2.47571	LOD	LOD	LOD	47.3086
PCN 672	7	90	33.7343	205.599	LOD	3098.86	313.15	68.3914	51118	LOD	433.193	LOD	LOD	2.44143	LOD	LOD	LOD	LOD	LOD	LOD	38.3714
PCN 673	7	90	28.9571	238.627	LOD	2676.96	265.897	97.5643	51740.1	LOD	506.59	1.42	LOD	8.11571	LOD	8.58429	5.41429	40.3214	LOD	LOD	53.5243
PCN 674	7	90	26.4086	280.307	LOD	3726.27	315.754	96.2314	46369.8	LOD	755.603	LOD	LOD	2.73571	LOD	11.0686	1.18143	64.5486	LOD	LOD	58.9371
PCN 675	7	90	27.2886	255.92	LOD	2843.75	239.994	89.1786	45110.2	LOD	743.246	LOD	LOD	2.45	LOD	LOD	LOD	LOD	LOD	LOD	46.7857
PCN 676	7	90	22.4943	271.277	LOD	3985.64	235.996	96.92	48363.6	LOD	1089.05	LOD	LOD	LOD	LOD	LOD	1.03857	11.03	LOD	LOD	65.1271
PCN 677	7	90	25.5586	213.673	LOD	4129.82	205.593	80.9629	46491.2	LOD	886.759	1.43	LOD	LOD	LOD	LOD	LOD	10.7457	LOD	LOD	60.5171
PCN 678	7	90	25.7043	270.259	LOD	3187.32	210.487	101.141	41857.8	LOD	635.713	1.43571	LOD	4.38714	LOD	LOD	LOD	42.4729	LOD	LOD	61.0043
PCN 679	7	90	24.5014	237.37	LOD	3645.47	252.137	77.2843	40585.2	LOD	852.773	1.89143	LOD	5.74571	LOD	LOD	LOD	LOD	LOD	LOD	59.8714
PCN 680	7	90	27.87	208.329	LOD	3463.4	202.089	79.7329	46578	LOD	846.301	1.77571	LOD	5.22143	LOD	LOD	LOD	LOD	LOD	LOD	61.3229
PCN 681	7	90	26.6329	182.026	LOD	3282.65	364.631	89.8	41500.9	LOD	791.401	1.75857	LOD	LOD	LOD	LOD	1.05429	LOD	LOD	LOD	69.3586
PCN 682	7	90	21.8043	216.824	LOD	4439.15	87.6871	85.3643	38253.8	LOD	745.654	LOD	LOD	2.34857	LOD	LOD	LOD	LOD	LOD	LOD	71.1114
PCN 683	7	90	38.1529	238.149	LOD	3724.94	157.634	65.9343	36589.4	LOD	423.934	LOD	LOD	7.61	LOD	8.12143	1.04143	20.8557	LOD	LOD	42.4957

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCN 684	7	90	35.5314	304.789	LOD	3037.7	188.69	65.6186	40376.5	LOD	695.631	4.74571	LOD	13.3329	LOD	5.31143	LOD	20.0486	LOD	LOD	51.4086
PCN 685	7	90	27.5471	193.126	LOD	2708.5	175.034	87.0086	41316	LOD	855.026	1.50571	LOD	8.32429	LOD	LOD	LOD	9.98571	LOD	LOD	56.8957
PCN 686	7	90	24.54	208.16	LOD	4773.88	93.8143	67.6486	41092.6	LOD	703.783	LOD	LOD	10.3243	LOD	LOD	LOD	LOD	LOD	LOD	51.36
PCN 687	7	90	24.0243	283.149	LOD	3220.88	224.636	69.9286	41149.5	LOD	623.449	LOD	LOD	14.8514	LOD	4.72429	LOD	22.83	LOD	LOD	46.4
PCN 688	7	90	28.55	282.264	LOD	3215.47	231.474	100.731	47198.4	LOD	425.904	1.26714	LOD	4.87286	LOD	LOD	1.13	29.0214	LOD	LOD	51.9114
PCN 696	7	90	22.6414	394.316	LOD	5085.78	210.513	54.5743	35986.3	LOD	816.039	1.38429	LOD	9.77286	LOD	LOD	LOD	LOD	LOD	LOD	78.9357
PCN 697	7	90	26.0929	345.39	LOD	3751.35	96.61	61.9329	35728.3	LOD	899.273	1.71571	LOD	8.53714	LOD	LOD	LOD	18.2729	LOD	LOD	73.84
PCN 698	7	90	33.2514	336.886	LOD	4786.75	216.354	70.4329	39740.8	LOD	956.826	LOD	LOD	8.77	LOD	LOD	LOD	LOD	LOD	LOD	65.7243
PCN 699	7	90	33.8529	331.554	LOD	4411.35	299.857	75.8571	40551.1	LOD	743.274	LOD	LOD	3.14571	LOD	LOD	LOD	LOD	LOD	LOD	56.32
PCN 700	7	90	26.2714	383.224	LOD	5590.8	101.906	45.63	40931.8	LOD	722.943	2.8	LOD	10.3457	LOD	4.88714	LOD	14.2586	LOD	LOD	64.4929
PCN 701	7	90	22.2057	430.763	LOD	6645.44	298.721	77.3343	44334.9	LOD	838.094	1.56143	LOD	2.91286	LOD	LOD	LOD	LOD	LOD	LOD	70.6286
PCN 702	7	90	26.7071	497.387	LOD	6595.77	98.5657	95.41	42986.3	LOD	1735.79	LOD	LOD	2.46571	LOD	10.01	LOD	44.71	LOD	LOD	95.4586
PCN 703	7	90	31.5029	233.641	LOD	3169.99	323.767	88.11	44391.5	LOD	954.81	LOD	LOD	4.65857	LOD	LOD	LOD	LOD	LOD	LOD	62.97
PCN 704	7	90	28.4814	212.817	LOD	4755.85	328.054	74.5971	48439.3	LOD	823.449	LOD	LOD	4.85857	LOD	LOD	LOD	LOD	LOD	LOD	58.2914
PCN 705	7	90	22.99	345.326	LOD	4417.82	223.163	92.0814	41313.8	LOD	985.629	LOD	LOD	7.60286	LOD	8.41286	1.08571	35.9614	LOD	LOD	63.21
PCN 706	7	90	24.3243	265.234	LOD	5702.52	104.077	92.1343	40755.6	LOD	813.511	LOD	LOD	6.77286	LOD	LOD	LOD	LOD	LOD	LOD	60.8543
PCN 707	7	90	29.6686	281.864	LOD	3301.25	165.401	102.554	45999.9	LOD	1001.45	LOD	LOD	2.5	LOD	10.5714	1.13714	55.8671	LOD	LOD	51.71
PCN 708	7	90	30.1929	291.797	LOD	4069.25	246.889	89.4686	44064.2	LOD	960.469	1.53286	LOD	LOD	LOD	9.51857	LOD	67.2629	LOD	LOD	54.9329
PCN 709	7	90	30.16	336.124	LOD	3858.7	66.7343	68.7157	39314.6	LOD	998.28	LOD	LOD	2.26714	LOD	12.7714	LOD	77.2886	LOD	LOD	67.8529
PCN 710	7	90	22.34	291.796	LOD	4466.08	47.9386	82.0814	39499.8	LOD	1020.04	LOD	LOD	LOD	LOD	4.83143	LOD	31.6743	LOD	LOD	70.4529
PCN 711	7	90	25.6429	324.324	LOD	2807.35	205.316	75.73	38841.9	LOD	805.76	LOD	LOD	9.32714	LOD	17.4786	LOD	75.02	LOD	LOD	56.0014
PCN 712	7	90	24.5714	174.71	LOD	2365.73	146.349	75.5371	36775.8	LOD	841.951	1.50571	LOD	4.96143	LOD	LOD	LOD	LOD	LOD	LOD	58.0514
PCN 713	7	90	23.9186	265.879	LOD	3477.83	280.531	81.4271	46705.8	LOD	680.626	1.66286	LOD	3.10143	LOD	11.0229	LOD	41.2443	LOD	LOD	51.7757
PCN 714	7	90	20.2286	252.407	LOD	4377.29	396.427	71.2029	37147.1	LOD	685.24	1.40429	LOD	2.44143	LOD	8.13857	LOD	LOD	LOD	LOD	49.5014
PCN 715	7	90	23.8686	276.441	LOD	3099.15	230.52	70.9314	40923.5	LOD	776.757	LOD	LOD	7.03429	LOD	11.4771	LOD	52.79	LOD	LOD	57.1743
PCN 716	7	90	29.9771	254.48	LOD	3472.43	369.83	55.93	38522.7	LOD	696.483	1.35143	LOD	7.06286	LOD	5.97429	LOD	21.7414	LOD	LOD	44.6771

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 064	13	90	12.6877	46.3138	54.0723	241.739	254.849	41.2969	643.548	18.5208	145.514	10.3346	101.273	13.1523	8159.03	27.13	7.62385	79.5515	20.0346	121.456	21.86
PCN 065	13	90	15.0162	50.0246	64.9685	272.976	311.412	50.1246	744.872	22.5192	160.586	11.4746	119.641	15.2938	9241.56	27.1515	9.06923	76.8892	22.7554	148.577	51.8854
PCN 066	14	90	13.8843	51.7914	58.0214	251.459	309.082	51.2443	720.358	20.4421	176.611	10.5636	108.515	13.3593	9104.45	25.4557	7.93786	70.1414	20.25	133.269	26.2293
PCN 067	13	90	17.8038	51.5485	57.6154	245.916	335.115	47.21	801.215	21.1423	194.816	11.0569	112.696	14.9515	8675.84	26.7777	8.22077	71.6731	21.1008	136.796	28.2708
PCN 068	13	90	13.6654	54.2077	61.1869	328.917	330.253	46.3354	853.654	21.1915	176.642	10.8608	115.32	15.2123	11036.7	30.1585	8.38462	79.1585	22.2092	136.042	24.9338
PCN 069	13	90	13.5392	45.8577	55.6608	396.467	255.772	41.2108	617.813	18.4192	135.494	10.1554	99.5292	15.0823	11320	26.9846	7.47231	69.1492	24.9731	119.731	22.1677
PCN 070	14	90	13.4814	51.7393	59.0071	318.225	329.662	52.6436	818.922	21.495	158.359	10.3364	119.014	15.9736	10586.2	27.2157	8.99643	73.0579	20.2171	141.446	28.88
PCN 071	14	90	16.9729	59.4243	72.7143	309.771	417.623	70.1471	1024.67	28.3014	194.041	12.505	150.845	19.3521	10453.7	30.2564	11.1086	80.8114	23.11	186.879	38.9329
PCN 072	13	90	13.1762	52.1646	67.3662	323.292	369.993	48.5277	924.192	22.1177	170.516	10.9615	119.704	15.8223	10935.5	28.2192	8.31	77.4515	22.3169	144.19	24.27
PCN 073	14	90	12.5507	51.4136	60.915	341.309	339.289	42.1871	849.89	20.7343	151.645	10.3564	112.476	15.8621	11180	24.6779	8.475	72.8307	22.1414	136.574	32.715
PCN 074	13	90	15.6838	48.0292	62.9862	224.212	267.545	46.0954	694.375	20.8638	138.793	9.13538	115.388	14.7392	7804.38	25.1608	8.86308	73.1854	18.6915	138.053	24.8069
PCN 075	14	90	10.8521	45.195	51.3843	251.684	266.701	37.5414	628.219	17.1186	112.493	9.41214	93.6829	13.4129	9214.25	27.4629	7.61429	75.4486	16.5143	110.599	19.6171
PCN 076	14	90	12.7064	49.0636	63.7093	257.419	289.869	53.6907	695.532	21.72	153.814	10.7807	116.841	15.335	9705.52	29.4764	9.02143	79.2493	19.2643	141.823	26.2364
PCN 077	14	90	10.3579	42.5607	51.0021	232.121	266.945	37.5564	670.528	16.2079	116.813	9.285	87.9629	13.295	8767.45	26.0257	7.10857	75.6429	15.7807	104.9	23.6907
PCN 078	15	90	11.3287	42.896	48.4533	255.824	264.497	37.0893	727.199	16.3093	126.857	9.50533	93.0007	12.8693	9991.64	25.342	7.15	70.4553	16.1673	105.202	18.198
PCN 079	13	90	9.80846	41.3546	50.8692	352.82	279.586	33.7415	720.062	15.9	121.571	9.01	88.7223	12.9662	12624.5	24.2008	7.02	68.5408	15.7185	100.925	16.6554
PCN 080	13	90	11.5346	44.4992	53.3946	294.275	328.169	42.2915	825.64	18.1638	130.233	10.0562	99.6646	13.6246	11691.5	27.0431	8.27	77.0692	15.8062	119.132	22.4054
PCN 081	14	90	13.39	53.1964	65.0714	280.082	324.73	51.6157	839.406	20.695	144.934	10.6207	114.754	16.1586	10253.2	28.6814	9.05929	83.0357	17.9529	133.252	23.6171
PCN 082	13	90	10.9362	43.4923	53.5162	314.302	276.732	38.7508	774.772	17.1569	121.839	9.55846	96.7877	13.8254	11204.2	25.7331	7.72846	71.2669	16.8731	112.612	20.5746
PCN 083	13	90	15.2638	55.3777	74.5269	237.347	393.883	68.3262	996.109	27.3423	192.026	12.6546	150.466	18.0931	9170.75	32.7562	11.1962	88.3115	21.2415	177.421	33.9269
PCN 084	14	90	15.7321	54.2293	71.51	313.059	308.668	65.6736	786.128	25.5571	165.633	11.5171	139.872	17.865	10713.1	28.1557	10.6921	79.8371	20.1343	166.474	30.5679
PCN 085	13	90	11.9608	41.0723	51.2792	375.211	266.209	35.9085	646.939	16.1885	117.118	9.28615	89.1385	12.9	12028.3	26.3854	6.89308	72.7615	18.1154	102.569	17.6708
PCN 086	12	90	13.5175	55.57	71.1433	976.308	151.778	67.4242	345.124	24.68	133.047	11.3217	132.554	15.6583	14932.1	29.9242	9.41083	80.7433	21.2117	163.927	30.615
PCN 087	13	90	11.5192	44.8508	46.4554	369.102	219.961	42.5731	531.908	16.5577	121.057	8.95077	87.9323	12.8931	10154.5	24.37	6.44923	66.4762	17.5608	108.514	28.4731
PCN 088	13	90	11.3854	40.2354	43.9454	381.938	212.578	40.2469	496.182	15.1092	115.89	8.81231	83.7477	12.2108	9593.11	22.0208	6.19154	62.3423	17.2285	98.1008	19.2515
PCN 089	21	90	11.8395	47.299	49.2171	406.242	224.712	43.6029	530.989	17.7157	133.332	9.52381	94.6681	13.6124	11040.1	24.6981	6.93	69.4733	18.4671	118.462	33.3581
PCN 090	13	90	11.4585	45.1338	50.5531	362.116	202.838	42.6008	473.451	17.0808	125.977	9.33692	94.3215	12.5254	11064.4	24.5762	6.65462	65.3077	18.7646	112.255	19.29
PCN 091	13	90	12.4131	50.1369	52.3154	326.934	235.402	50.84	567.81	18.9592	140.222	9.81231	100.853	14.8815	9908.54	22.7569	7.19	64.3569	19.5769	123.669	38.4331
PCN 092	13	90	21.3869	57.2092	74.4369	260.316	310.8	64.5585	748.427	24.7254	166.674	11.88	135.578	16.8046	9070.75	29.2408	10.9154	85.0115	19.6977	167.819	29.9962
PCN 093	13	90	12.5608	46.33	54.9377	257.801	271.039	46.2108	640.143	19.7338	129.336	10.3446	105.267	14.4431	8732.78	24.1054	8.24615	66.5562	18.92	130.681	24.04
PCN 094	13	90	15.6385	52.4346	65.4731	236.692	350.785	51.0031	880.423	21.8115	152.046	10.6223	116.559	15.1154	9676.08	25.9769	9.47692	73.5892	18.6815	141.345	26.3662
PCN 095	14	90	16.6214	44.5393	67.9464	235.544	330.426	43.0629	889.163	19.6079	150.114	10.3493	111.768	15.66	9549.57	23.5779	8.15214	69.3029	18.3243	127.134	23.9379
PCN 096	13	90	13.4746	44.7585	62.8862	294.27	272.768	46.8762	679.005	18.8215	171.994	9.65077	104.732	13.8662	10319	25.3154	7.62462	71.8377	18.1754	122.73	22.9038
PCN 097	13	90	17.0485	63.6985	78.0162	234.774	313.343	69.2438	754.567	27.5408	176.348	12.0108	152.467	18.6385	8560.92	30.7831	11.2954	87.1523	21.27	187.01	32.2062
PCN 098	12	90	9.68333	40.1058	43.7183	269.324	220.516	31.0217	530.448	15.085	112.537	8.49	79.645	11.2133	9898.19	24.9725	6.55417	69.0842	14.7175	94.4825	17.7375
PCN 099	13	90	13.38	50.0462	64.6215	201.428	278.755	42.1131	698.218	20.3277	131.059	9.57462	110.042	14.9677	7625.43	28.2854	8.52462	79.5254	17.7015	135.602	24.5246
PCN 100	12	90	14.2942	52.1875	64.52	249.612	318.898	51.385	766.036	21.8375	147.016	9.6775	116.617	15.51	9030.96	30.2875	9.28667	83.3583	18.6208	147.675	26.2242
PCN 101	13	90	11.3438	44.0962	53.3492	270.759	255.576	36.6908	665.674	16.3446	118.921	8.63385	90.4515	11.1862	10411.1	26.6577	7.23846	73.6023	16.3208	107.678	19.3962
PCN 102	13	90	12.3408	47.5762	57.0362	202.01	281.968	42.1654	684.3	17.7046	117.464	9.05615	98.83	12.0377	8386.29	27.6046	7.77692	79.9015	16.1531	117.019	19.3777
PCN 103	13	90	14.9385	52.4738	66.1462	236.721	352.089	46.2477	867.288	20.88	161.213	9.84692	115.482	14.2023	9687.03	30.3954	8.95231	85.8946	17.2985	137.449	24.7423
PCN 104	13	90	14.3331	55.2754	70.6046	253.411	326.368	60.9415	794.325	23.5192	157.723	11.0962	132.39	16.9862	9913.11	29.1992	10.42	82.5077	18.8508	155.302	28.7392
PCN 105	13	90	12.6877	39.8846	50.2777	268.288	242.395	32.45	654.988	15.7085	121.627	8.87308	86.1977	11.9723	9143.62	26.0231	7.06	74.0469	15.5831	101.535	16.3431
PCN 106	13	90	13.6062	43.3454	58.5808	229.292	290.208	42.3146	703.129	17.9646	120.697	9.68846	97.3423	13.5023	8869.75	25.8562	7.8	71.2392	16.93	118.398	18.7746

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 107	13	90	16.39	43.8885	57.3577	198.593	316.497	42.6331	740.626	17.6746	138.187	9.68538	94.0462	16.4677	7707.48	23.9862	7.78769	63.5438	16.4362	113.928	20.5369
PCN 108	13	90	20.7131	43.6308	65.0669	272.023	336.302	44.3062	859.345	19.1138	163.99	7.92308	104.689	22.3669	11533.3	27.2823	8.19385	70.9308	17.6292	123.412	21.2654
PCN 109	13	90	14.6369	43.0431	49.5746	273.798	262.418	33.5662	665.396	15.5423	131.857	6.72846	85.6538	15.3723	10570.3	23.5915	7.13769	66.9054	16.8415	99.3808	15.8323
PCN 110	13	90	18.9523	44.84	60.2185	266.778	344.277	40.6592	842.938	17.2215	153.275	7.44692	95.4085	19.3985	11419	26.13	7.71769	76.7	17.4569	111.802	19.7415
PCN 111	10	90	17.956	46.529	60.198	229.782	338.2	43.571	882.535	18.094	149.451	8.688	103.426	17.549	10296.4	26.408	7.442	67.471	15.231	115.469	21.421
PCN 112	14	90	15.1907	40.9429	54.6979	298.146	304.609	35.4757	772.937	15.9493	118.581	9.04	89.5429	14.8879	11332.7	25.5607	6.385	67.7314	15.5686	103.209	16.5521
PCN 113	14	90	14.0886	51.4521	61.9164	300.869	293.277	45.2214	744.653	20.4929	147.095	9.28429	111.174	14.4136	10100.2	27.54	8.61786	77.8	18.1679	131.585	23.1114
PCN 114	15	90	14.3027	49.9507	62.4867	286.564	289.925	52.6673	727.695	21.2353	146.366	10.5887	117.398	13.57	10934.8	29.3753	8.38533	78.5353	17.0573	140.176	23.918
PCN 115	13	90	12.8462	43.31	53.3854	288.646	257.19	43.5469	674.975	18.0177	139.224	9.96615	100.378	12.3262	9644.05	27.0292	7.88846	74.9585	16.4462	118.305	21.5085
PCN 116	13	90	16.4377	52.06	68.3131	239.389	371.831	51.0308	954.028	22.2869	177.148	10.7962	121.215	15.33	10022.5	30.7415	9.14385	82.3031	17.6715	144.596	27.1223
PCN 117	13	90	12.4646	40.31	54.6723	234.124	289.469	37.4631	766.388	16.1046	143.508	9.03	90.3008	11.39	9701.39	23.6446	6.32923	68.0569	14.7169	102.136	18.7692
PCN 118	13	90	13.75	41.2946	56.4562	280.462	280.416	39.5777	814.698	16.4546	145.277	9.33923	92.6908	11.5131	10770.6	24.3669	6.77385	67.4554	15.1515	104.195	19.7769
PCN 119	14	90	14.4771	41.1321	59.0814	266.18	291.309	40.5293	824.841	17.6971	149.515	9.04071	97.37	12.7379	10130.5	25.6179	7.14357	70.6379	15.2943	114.578	19.8736
PCN 120	13	90	15.4785	43.8854	61.2146	293.719	298.392	35.7431	883.942	17.7777	157.898	9.65308	99.68	13.3369	11015.4	27.6685	7.37692	76.2854	15.1354	114.82	22.32
PCN 121	14	90	15.2514	46.1164	60.1036	244.487	303.797	39.7157	849.301	17.8279	155.338	9.60286	98.0736	13.2586	9735.52	27.0129	6.89857	76.5793	14.1821	114.289	22.2493
PCN 122	13	90	11.4592	43.0077	49.4569	340.125	271.415	34.29	634.362	16.7238	162.648	9.45	91.1792	11.9592	11321.8	26.3162	6.96846	75.29	17.3408	108.974	18.7246
PCN 123	13	90	11.17	41.9785	49.3354	261.398	266.265	35.7146	637.415	16.6677	134.859	9.10077	89.7238	12.0469	9476.43	23.8777	7.03308	64.3838	17.22	107.445	17.9
PCN 124	13	90	10.21	40.2477	46.4377	300.178	236.909	33.9054	639.809	15.8108	124.185	9.06	86.5315	10.6277	10205.9	26.4077	6.86308	72.6469	16.6515	101.5	17.9662
PCN 125	13	90	11.3523	45.45	54.2846	340.133	330.905	41.9108	780.987	18.9169	166.669	9.81846	103.674	14.3077	9579.74	28.7362	7.89	79.5254	18.9908	120.928	23.0092
PCN 126	13	90	12.0092	47.0562	52.6938	283.929	281.887	42.4085	719.585	17.8592	141.685	9.75538	99.7177	15.5723	9423.8	28.7254	7.58231	82.9177	17.2585	115.852	22.4585
PCN 127	13	90	11.5646	49.3054	56.0723	263.264	291.982	42.6677	718.155	18.9792	131.922	9.86615	108.791	14.0277	9002.08	25.3746	8.18308	69.9262	18.67	126.366	22.6015
PCN 128	13	90	13.0592	48.1315	61.3185	261.312	273.466	50.1708	717.493	21.2685	142.461	10.4692	113.788	15.7508	8592.3	26.8338	8.88308	65.9062	18.52	137.742	24.3377
PCN 129	14	90	8.37214	50.0971	38.99	537.961	183.48	26.3529	430.708	12.6557	86.5457	7.70357	68.55	11.4814	11802.4	23.7429	5.12	65.4157	15.8693	81.6764	18.4607
PCN 130	13	90	10.6046	41.9362	42.7169	368.421	184.168	36.4623	425.163	14.8023	110.663	8.52615	78.3208	11.8977	10479.3	24.87	6.21538	64.7646	17.6262	97.4708	17.6685
PCN 131	13	90	11.3746	42.68	42.49	386.358	201.085	36.6608	480.273	15.1638	112.598	8.77	79.5369	11.4146	11483.3	25.4108	5.84385	69.9923	17.9108	95.9638	17.6769
PCN 132	13	90	10.9246	40.7523	43.5423	304.368	180.24	36.4785	425.553	14.8538	110.554	8.46846	79.2646	11.3246	8920.09	23.2446	6.13538	62.5985	18.0877	95.97	17.0077
PCN 133	14	90	10.6429	38.9071	40.6921	416.262	188.906	37.0143	447.085	14.5543	105.446	8.47571	77.4971	11.6271	10803.6	24.4707	6.17786	64.205	17.7471	94.4279	16.7036
PCN 134	13	90	9.99077	45.2708	45.1192	364.232	195.485	32.5023	541.672	15.9362	126.558	9.00615	86.3285	12.4285	10542	24.5285	6.71462	67.7254	17.6554	102.275	18.8569
PCN 135	13	90	10.7069	41.8623	44.3038	300.521	194.104	34.5208	481.21	15.1331	107.495	8.98769	81.2423	12.5815	9859.64	24.9708	6.31462	69.1977	17.1377	97.4831	16.57
PCN 136	12	90	11.1117	42.6267	42.2342	359.003	203.154	34.4408	468.492	14.3008	108.176	8.64417	75.9517	10.655	10940.6	23.2983	5.69583	62.6083	16.9442	92.5583	15.1133
PCN 137	11	90	9.34727	41.2027	42.9782	371.174	184.261	29.0745	515.696	13.6473	105.249	6.53727	74.9182	10.29	12451.9	24.35	6.12273	68.0645	15.4664	87.7309	15.8136
PCN 138	11	90	9.70727	41.6055	46.9755	386.984	212.451	31.4527	584.561	14.5073	137.543	6.91455	81.2964	10.3227	11771.1	27.6836	6.23273	77.1891	16.1164	93.7645	19.2
PCN 139	11	90	10.3173	41.7791	50.12	392.219	225.924	38.1155	646.343	16.4091	131.756	8.25636	89.1009	12.2273	13268.2	25.6273	7.11091	71.5055	17.1691	107.087	19.7573
PCN 140	12	90	10.3858	41.9342	43.7083	335.769	246.47	31.4917	690.448	15.185	135.216	6.7875	86.4208	10.5683	9738.34	26.2358	6.36833	72.8675	15.2967	99.405	20.5042
PCN 141	11	90	10.3109	39.4827	44.7227	275.013	210.126	30.8745	637.635	14.5145	122.921	7.12818	80.0673	11.0836	9248.33	24.3036	6.40273	67.3491	15.1164	95.37	17.6036
PCN 142	11	90	10.9491	40.3909	46.8182	376.234	230.142	31.9309	688.486	15.1036	122.834	6.43182	84.0545	11.7627	12713.6	26.9173	6.65273	74.6945	15.4355	98.1818	18.9427
PCN 143	11	90	10.5	42.3991	44.9155	347.59	225.808	32.5536	649.11	15.2045	171.522	6.21545	85.0364	10.8845	10242	27.3	6.59	75.7473	15.0464	97.77	21.4164
PCN 144	11	90	11.0045	42.9609	44.7982	275.577	217.367	31.4391	625.722	14.7682	102.74	7.06364	82.8282	11.0164	10262.6	26.5018	6.58182	70.7891	16.0127	96.2173	16.9209
PCN 145	11	90	10.8827	42.9582	47.1318	269.339	217.945	34.2218	657.486	15.6891	105.789	7.27182	84.6518	11.0545	10398.2	26.6791	6.43909	72.0791	15.74	101.13	18.3545
PCN 146	11	90	11.18	42.6027	46.3709	252.325	216.532	31.69	662.615	14.6082	109.049	6.78273	83.9509	11.52	9965.73	26.2864	5.92091	71.3473	15.1009	94.0136	16.7227
PCN 147	11	90	11.3027	41.6255	45.77	308.114	227.362	30.94	619.275	14.13	110.03	7.36273	79.4345	10.4873	12691	24.9055	6.4	67.2955	15.1809	89.7055	16.4255
PCN 148	11	90	11.9073	44.4955	46.4964	271.325	206.806	28.6309	649.122	14.8836	101.559	7.26091	81.7445	10.3764	11423.3	28.3436	6.61727	79.1	14.9009	95.6918	14.8618
PCN 149	12	90	14.3125	43.1058	55.6383	272.681	259.703	38.9633	799.273	17.8958	145.896	8.57917	99.0417	14.0567	11129.7	24.95	6.87083	69.3783	15.55	116.948	18.7658

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 150	11	90	15.0491	43.4936	53.6791	260.797	223.332	37.1564	655.969	15.1345	119.384	7.00091	84.3773	14.9236	11830.2	25.1427	6.92545	67.0891	13.9936	97.3936	17.32
PCN 151	10	90	15.287	43.579	55.21	336.207	233.37	37.49	759.639	16.102	135.739	6.884	89.76	13.737	12368.6	28.237	6.3	78.031	14.224	103.058	18.519
PCN 152	10	90	13.663	42.98	49.198	311.438	239.746	34.349	748.733	15.159	136.452	6.219	85.155	12.943	11162.3	26.524	5.827	70.605	14.374	96.079	17.501
PCN 153	11	90	14.1045	40.9755	50.2155	298.746	253.807	35.3936	763.782	15.1836	128.969	6.48091	86.0691	13.2418	10573.4	23.7191	6.35	67.4673	15.1909	96.42	16.4582
PCN 154	13	90	11.4454	44.9938	49.7438	282.732	260.084	35.9838	728.965	16.3077	132.576	7.25385	90.7515	12.4523	11673	26.5231	7.00692	72.0169	14.9385	105.827	19.8577
PCN 155	13	90	10.8031	44.6477	48.71	277.875	257.034	34.3523	695.383	15.9262	148.523	7.98692	89.04	11.4585	9579.26	27.1954	6.67308	75.1623	16.5485	103.692	18.79
PCN 156	13	90	12.8662	47.5777	54.8308	305.387	286.198	41.5438	795.052	18.3885	147.551	8.86615	105.448	12.9246	11589.2	27.2023	7.58923	74.2169	17.3138	121.227	21.9623
PCN 157	13	90	10.5931	40.6662	45.8438	337.608	241.525	30.8485	664.741	14.9123	131.64	8.65077	85.83	11.47	12711.3	25.0185	6.80846	71.77	15.2192	95.1315	16.3862
PCN 158	13	90	15.9523	42.1077	57.8569	312.165	265.558	39.3792	886.331	15.8192	146.774	8.08615	91.6408	14.1392	14882.2	26.9608	6.62615	74.7369	13.6954	99.75	19.5792
PCN 159	13	90	17.0862	46.4615	58.6662	258.137	292.149	37.5569	877.272	17.3738	152.948	7.73615	97.3323	15.6238	11550.9	25.3054	7.17308	70.5085	15.2785	109.628	21.0731
PCN 160	12	90	18.85	61.6258	65.6183	261.513	353.394	51.3992	965.017	19.8075	162.038	7.84167	112.028	17.41	10620.8	28.8875	8.95833	80.5858	15.6233	130.128	22.1742
PCN 161	14	90	17.9457	52.8921	68.2086	353.513	329.004	51.2643	924.281	21.4429	144.63	8.28714	120.813	16.68	12600.2	26.3129	8.575	75.3636	17.4193	141.516	23.76
PCN 162	10	90	19.177	44.349	58.726	332.006	284.515	31.485	897.033	15.786	145.342	6.592	91.192	14.455	13692.2	25.355	6.501	70.443	15.122	99.305	18.764
PCN 163	10	90	14.368	39.774	52.02	322.685	251.752	30.365	795.841	15.626	139.5	6.974	87.593	12.478	13388.9	24.658	5.773	66.14	14.352	99.628	17.579
PCN 164	15	90	12.2773	47.4353	54.1867	281.215	235.589	37.8387	630.763	17.6353	130.557	8.06067	95.1607	12.3073	10453.7	24.1913	7.70733	65.884	17.2227	118.778	25.578
PCN 165	9	90	9.90556	40.0211	44.9289	396.762	195.076	29.6	665.378	14.43	107.721	7.44889	83.03	9.86778	13627.3	25.6667	6.6	74.5522	14.9289	92.9878	15.2078
PCN 166	13	90	10.74	45.7815	50.6008	285.289	195.786	35.9008	551.391	16.8831	149.107	7.44077	89.2362	12.3892	10250.7	24.5985	6.95846	68.7246	16.3692	109.495	27.2238
PCN 167	13	90	11.9738	47.9931	51.0308	335.554	225.253	35.2869	569.775	17.01	139.7	7.31923	92.6254	12.2677	12789.6	28.7738	6.90308	78.3669	18.3392	108.98	18.0469
PCN 168	10	90	10.369	40.498	43.519	353.7	212.972	31.136	564.003	14.459	128.445	8.538	80.267	10.273	10511.3	26.25	6.42	72.797	16.649	95.109	15.891
PCN 169	10	90	10.062	41.494	43.805	385.357	206.985	29.028	525.922	14.206	115.892	7.238	77.278	10.07	12811.6	27.565	6.387	74.359	16.519	87.963	15.15
PCN 170	10	90	9.764	37.451	42.383	352.177	186.562	27.87	508.939	13.87	104.15	6.6	75.661	10.084	11855.7	23.984	6.114	66.777	15.918	88.661	15.576
PCN 171	10	90	9.92	37.498	43.023	414.971	209.233	28.648	533.23	14.064	124.082	6.826	76.952	10.337	13159.7	23.874	6.461	64.104	15.847	90.844	16.177
PCN 172	10	90	10.711	42.786	46.418	395.737	245.629	34.132	621.02	15.437	126.808	8.24	86.191	10.892	13093.8	26.183	6.805	70.339	17.438	96.396	17.538
PCN 173	10	90	9.484	40.292	43.489	388.961	189.433	31.743	519.98	14.16	101.458	8.204	76.185	10.027	11570.8	27.109	6.455	75.111	16.738	90.628	15.779
PCN 178	13	90	10.6892	42.78	42.4808	390.998	169.395	34.6808	419.475	13.7992	102.357	6.87769	75.5123	11.37	12266.4	25.1069	5.91154	69.9954	16.4123	91.74	24.1715
PCN 179	10	90	9.536	41.503	41.365	404.848	176.487	34.425	422.058	13.73	95.33	7.919	74.527	11.901	10263.5	26.003	5.698	69.735	17.137	87.336	15.85
PCN 180	13	90	12.1623	48.3431	54.8138	351.395	251.422	44.6954	662.114	18.7115	124.71	8.13923	101.322	13.2738	11495.5	28.1585	7.69308	78.8269	17.4138	123.943	27.6285
PCN 181	10	90	10.418	42.313	45.874	279.64	212.373	31.635	619.521	14.445	117.74	7.309	81.6	10.864	9651.77	27.252	6.063	75.768	14.88	94.607	16.949
PCN 182	11	90	10.9636	40.1973	48.0027	347.673	214.045	31.6391	672.168	14.33	115.779	7.92273	82.9882	10.5464	12663.4	26.9691	6.22727	74.6391	15.2827	93.9	17.2755
PCN 183	10	90	10.428	39.159	47.087	298.948	200.693	30.217	680.415	14.811	111.286	7.085	84.737	12.237	11900.4	24.202	5.88	67.173	15.067	96.293	16.406
PCN 184	13	90	10.0615	43.0854	44.3523	301.475	199.87	31.5069	544.945	15.2369	105.095	7.02462	82.4785	11.3808	11583.4	23.3977	6.65231	65.1923	15.3346	97.9008	18.8062
PCN 185	12	90	12.5842	41.355	50.6158	273.133	213.623	35.1275	656.374	16.2742	127.997	7.84833	87.97	13.6225	10129.6	25.4375	6.77083	70.6117	16.8217	104.225	19.805
PCN 186	13	90	9.96538	40.5438	48.0038	421.864	235.735	35.0354	721.269	16.0254	148.162	8.28462	89.3946	12.2123	13970.6	26.2123	6.63769	70.7815	16.8477	103.322	20.6085
PCN 187	13	90	10.53	42.8962	49.33	290.822	232.925	36.6069	760.592	16.8831	140.877	7.84846	94.13	12.8454	10882.5	26.8915	7.18077	72.9015	16.6885	110.616	20.6669
PCN 188	16	90	11.0888	39.7944	48.3475	283.619	208.418	31.4325	612.017	14.6106	105.374	6.64	81.2744	11.4656	10824.3	24.265	6.56813	66.0656	15.4338	94.1125	16.4613
PCN 189	14	90	10.9764	42.1029	50.9279	316.29	177.38	33.43	547.091	15.6586	113.645	6.695	81.8543	11.4043	11948.2	23.365	6.37143	64.915	15.3143	101.059	16.6679
PCN 190	13	90	11.4062	43.9562	49.7062	269.468	208.812	35.7315	576.095	14.2069	119.185	6.79462	79.6962	10.7354	10471.5	25.7931	5.95769	70.1054	15.0762	93.3885	17.0369
PCN 191	13	90	11.8308	45.7877	50.6315	254.898	227.27	34.7	695.446	16.0692	128.008	7.32769	89.5769	11.7854	9973.37	26.3154	7.12077	73.0915	16.3346	104.213	19.4
PCN 192	15	90	14.642	45.9613	56.8053	316.558	294.451	39.7607	947.895	17.9	165.711	8.00467	103.178	14.5127	13791.7	28.508	7.42667	79.502	17.096	118.55	21.1953
PCN 193	13	90	11.0454	41.3931	45.9923	234.218	172.891	29.2346	545.553	14.1431	111.258	6.39692	76.5415	11.1069	9369.85	22.9831	6.02077	64.1731	13.7262	90.1777	14.2908
PCN 194	13	90	12.8469	47.4608	46.43	242.562	191.618	34.2577	561.053	14.4962	114.559	6.69231	79.75	12.5754	11252.1	23.5562	6.15154	65.6838	13.1592	94.0685	16.3077
PCN 195	13	90	11.4385	45.3185	46.1885	296.056	215.587	32.3385	612.072	13.8146	101.095	5.97692	78.2246	11.2146	10641.3	21.1346	5.73615	58.7846	14.6223	87.3508	15.4085
PCN 196	13	90	10.2669	46.7923	44.6246	328.83	190.387	30.2869	581.61	14.5731	108.18	6.85231	78.9315	10.4392	11417.1	24.2523	6.44	67.5292	15.3346	92.5746	16.7831

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 197	14	90	10.1636	40.3579	44.4921	317.131	178.366	29.7829	551.936	14.4979	104.099	6.95286	78.4	11.5021	11425.1	23.3829	6.315	65.1207	14.5807	92.56	15.28
PCN 198	16	90	11.5869	45.9175	48.3806	325.667	177.749	30.735	464.697	14.2256	107.664	6.675	76.2706	11.4681	11895.2	23.0369	6.44125	62.9713	14.6875	93.0569	15.8275
PCN 199	13	90	12.5931	39.1892	51.0538	312.099	213.073	32.4031	577.455	14.2154	115.388	6.69538	78.3215	11.9015	12324.1	24.9954	6.30308	67.5392	13.8954	91.9331	15.9423
PCN 200	13	90	10.4231	41.9085	47.3385	297.985	208.19	32.3438	641.71	15.15	117.985	7.65385	81.7523	10.9362	12540.1	25.4962	6.61308	71.0931	14.5638	95.7777	18.0231
PCN 201	13	90	11.4646	47.7062	47.5923	368.525	211.188	32.34	575.94	13.8331	97.1485	6.17846	74.8	11.6531	11971.5	22.7838	5.99692	63.7377	14.1723	90.9662	15.5423
PCN 202	10	90	10.588	44.457	44.109	246.212	161.321	31.804	451.825	13.923	104.595	6.138	72.664	9.592	9315.9	23.855	5.235	66.574	14.194	89.743	22.381
PCN 203	13	90	16.4123	42.4146	58.4377	267.261	276.808	35.8654	853.961	16.4838	131.385	6.98769	91.6569	15.4992	10257.3	25.7185	6.68615	71.7562	15.9731	105.484	16.86
PCN 204	13	90	13.2723	43.7546	50.6923	359.015	252.982	31.6308	748.352	15.4492	108.028	7.68462	85.8123	11.6231	13278.4	24.55	6.33308	66.0323	15.4546	98.7008	17.1492
PCN 205	13	90	11.5769	39.7769	49.3846	371.102	246.765	34.6354	689.452	15.9854	108.336	7.81462	90.6431	12.4585	12170.4	25.34	6.46615	68.7454	16.5746	103.042	17.6262
PCN 206	13	90	11.8031	43.6669	46.9185	344.965	238.51	34.0177	670.082	15.3669	105.624	8.07769	84.5185	11.2477	12080.8	27.3177	6.07692	75.9823	15.8723	98.7062	16.4777
PCN 207	13	90	11.9208	45.2377	50.1623	324.955	226.143	32.6985	650.533	15.7692	117.417	7.91462	86.6769	12.1523	11223.4	26.2323	6.96154	73.3708	16.3031	100.783	17.1569
PCN 208	13	90	11.4185	42.6823	51.0208	335.281	243.687	32.5846	643.93	15.4962	123.077	7.60769	84.4977	10.6346	12279.6	27.5208	6.98846	76.5454	16.6392	100.618	17.1754
PCN 209	13	90	10.5962	41.7454	47.9077	353.412	226.465	32.6008	642.971	14.75	124.483	7.63385	82.1831	11.5838	12024.4	25.2354	6.62	69.9346	17.0938	95.57	16.8869
PCN 210	13	90	10.0008	42.3723	45.36	351.753	227.808	31.3808	583.031	14.9492	131.795	7.68385	82.2015	11.2762	11440.9	25.7946	6.41615	71.7323	17	94.7731	18.6923
PCN 211	13	90	11.2292	47.2577	51.0546	377.774	248.445	40.6208	633.656	17.24	165.266	8.25308	94.3869	12.6738	12632.8	29.1992	7.24231	81.1585	19.1646	113.519	21.5677
PCN 212	13	90	9.73769	42.31	44.1454	316.774	234.779	34.43	601.567	15.7185	142.315	7.41385	85.48	11.5454	9669.68	28.1323	6.50615	78.0423	17.8262	100.53	19.3931
PCN 223	10	90	9.259	38.28	41.902	396.298	160.276	29.432	536.227	13.932	103.009	6.935	77.442	11.328	13074.1	23.628	5.978	65.969	14.551	88.983	15.681
PCN 224	10	90	9.845	41.341	44.714	330.735	194.93	31.405	659.652	14.614	126.408	8.608	83.815	10.974	11681.5	25.626	6.296	73.501	15.298	92.075	17.554
PCN 225	10	90	10.107	45.042	45.912	267.51	232.289	32.321	714.405	15.406	107.449	8.603	84.651	12.754	10793.2	28.057	6.865	77.763	15.391	100.427	18.955
PCN 226	13	90	10.4592	41.4869	44.7	264.88	189.048	31.6208	571.33	14.3785	117.184	7.14	78.5715	11.4423	10323.2	23.1269	6.34231	62.4492	14.6392	93.3969	15.4177
PCN 227	13	90	11.0123	42.2123	49.6623	271.668	234.618	39.6646	720.724	16.9769	138.608	8.21923	93.4262	13.7677	10701.7	24.7638	7.66154	68.7423	17.5915	110.804	19.8985
PCN 228	10	90	12.304	39.507	46.819	264.383	249.671	32.46	722.927	15.823	135.05	8.904	89.182	13.628	12014.4	26.008	6.556	71.807	15.957	101.352	17.651
PCN 229	13	90	10.3315	46.8977	51.0769	282.676	222.92	40.7515	630.795	16.5877	126.805	7.68154	88.7138	12.9562	11485.1	24.6854	7.41231	68.7554	14.7115	107.752	19.4877
PCN 230	10	90	11.385	43.594	46.656	347.729	219.464	35.218	678.915	15.394	115.083	8.703	85.516	11.812	13024.5	24.576	5.969	68.49	15.529	97.555	17.16
PCN 231	15	90	11.424	48.9047	48.6547	335.401	246.512	37.9747	684.723	15.8527	152.974	7.75933	89.6167	12.206	11004.8	24.6413	6.86067	70.2987	18.5713	102.631	18.4393
PCN 232	17	90	11.1959	44.2818	46.0612	288.91	223.488	32.0753	625.995	14.3047	137.521	6.76824	81.7194	10.6847	9838.94	24.84	6.41941	68.8906	15.3718	95.0694	16.9553
PCN 233	13	90	14.1154	48.7854	56.2946	324.969	322.172	38.3215	862.807	17.5208	157.058	8.01615	99.6454	12.2631	14155.9	26.4408	7.88385	73.3654	16.7646	110.491	20.2046
PCN 234	13	90	12.39	39.8254	45.1723	311.56	234.324	28.4623	696.471	14.1669	129.009	7.31846	80.7338	10.3438	12954.8	22.8969	6.40308	63.3838	15.3185	90.8946	16.3638
PCN 235	13	90	13.2292	45.8385	52.0908	264.664	263.645	36.2062	806.297	16.4169	136.122	8.71538	92.3554	11.9977	9955.42	28.7315	7.41538	79.23	17.84	105.735	17.6646
PCN 236	13	90	11.5846	43.4431	45.7723	256.244	261.693	35.7838	715.749	15.6862	126.11	7.53308	87.5562	11.2246	11303.6	25.6754	6.83	71.2292	16.3285	101.644	17.8908
PCN 237	12	90	11.3058	45.0883	42.8592	286.632	202	30.2167	660.713	13.7942	123.253	6.81167	78.2967	11.0392	11257.3	23.57	6.17167	65.4225	15.7883	90.7617	23.6875
PCN 238	14	90	10.91	48.9779	50.0507	296.536	229.046	33.4679	602.694	15.1786	127.361	7.02214	82.1157	11.2936	12076.4	24.8371	6.70429	69.1121	15	98.5236	17.3079
PCN 239	12	90	11.4517	44.2083	50.595	297.368	216.578	37.9892	540.701	15.795	115.008	7.12917	85.5367	10.9417	12002.3	21.0633	6.87	58.7033	14.0033	101.551	18.1117
PCN 282	3	90	9.75	39.5533	49.2567	300.857	267.543	33.11	613.987	15.7733	127.81	8.13	87.4633	10.5567	12987.1	26.7933	7.46333	73.9167	16.94	98.9833	17.5333
PCN 284	3	90	17.1067	53.61	84.5767	266.357	561.5	71.5167	1893.46	27.14	301.193	13.03	166.91	17.8267	11712	35.3067	11.0833	98.0633	22.84	182.527	36.85
PCN 287	3	90	17.1467	55.59	64.53	364.1	512.047	52.8533	1526.72	20.8533	251.203	10.7633	134.09	13.6633	13987.3	24.94	8.64	68.2067	21.9733	132.75	25.0533
PCN 289	1	90	11.39	32.97	43.28	290.73	169.23	27.56	577.67	13.24	94.74	8.33	74.48	10.14	12872	22.08	6.6	61.12	14.73	85.53	12.79
PCN 290	3	90	16.58	40.3867	54.6667	297.21	198.293	40.4367	573.52	17.0367	123.4	7.33	94.9467	14.9033	9963.77	25.43	6.29667	70.7167	17.8733	108.437	19.7533
PCN 292	3	90	9.47	42.93	37.2233	459.973	105.09	24.1633	342.747	12.6133	82.83	7.73333	64.0967	8.99667	9951.57	19.0667	5.69	53.61	13.9033	78.3767	14.9367
PCN 328	3	90	10.6133	41.5467	44.71	320.39	175.41	31.6533	592.18	14.3133	96.6467	7.7	77.94	12.2767	12432.4	21.31	6.86	59.8533	13.53	87.1567	13.51
PCN 330	3	90	12.68	45.16	52.1433	282.63	138.147	35.9733	456.293	15.77	98.1933	6.16	81.4733	10.7533	10655.7	23.09	7.54667	64.6067	16.2567	100.87	17.5067
PCN 331	3	90	19.4067	42.8133	59.99	286.763	209.52	40.95	532.07	16.2433	118.087	8.45	89	12.9567	10789.3	21.7433	7.16333	60.59	15.63	97.4867	18.63
PCN 332	3	90	9.62333	39.6033	42.3567	341.367	190.7	40.6233	543.42	14.57	98.3833	7.78	77.7333	10.6067	12322.5	20.55	6.49	56.8567	15.1233	93.22	13.7867

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 333	3	90	12.0967	53.3267	56.0733	328.25	276.86	44.0067	861.213	17.1	130.52	9.70667	99.6633	13.6967	10877.7	24.3433	7.51667	67.3733	17.6933	109.647	21.69
PCN 334	3	90	8.65333	44.21	40.5167	631.83	175.383	37.82	474.813	14.5367	167.073	6.97	77.8633	12.6433	13789.1	19.7667	6.19667	55.39	15.0667	93.3033	16.6667
PCN 335	3	90	10.95	38.5967	46.1433	392.77	290.96	31.0933	753.357	15.79	122.85	9.07333	89.7867	13.3133	12122.2	26.06	7.17667	72.1033	16.8267	98.3633	15.7433
PCN 336	3	90	10.5567	51.9867	52.8667	380.373	288.593	46.8367	854.607	18.2867	126.847	9.11667	108.537	15.0167	11390	26.3267	7.71	73.18	17.5233	118.083	20.5733
PCN 338	3	90	9.69333	42.8067	47.8567	364.89	185.79	38.72	632.69	15.2567	108.647	7.91	84.97	12.6	11688.3	24.91	6.32667	69.7533	14.8833	93.1833	15.5933
PCN 339	3	90	10.82	42.4633	51.7833	317.65	331.26	34.82	762.713	17.5433	115.84	9.64	99.3	14.25	10883.4	28.6833	8.16667	79.6467	16.63	113.17	17.86
PCN 342	3	90	14.7467	59.9367	64.9867	271.09	299.117	60.53	747.157	22.18	145.61	11.4667	123.08	15.1067	9592.64	30.2033	10.1633	75.28	20.1933	144.887	27.5967
PCN 345	3	90	10.96	42.9133	49.6633	295.56	286.637	40.1833	665.45	16.6667	159.977	9.48333	91.27	12.13	11159.4	28.29	6.86667	69.2333	18.37	103.44	19.34
PCN 349	3	90	9.49667	40.55	50.1633	305.097	176.58	31.0933	596.443	15.1433	137.193	9.21333	84.8	12.5767	12362.4	23.68	6.51667	65.77	17.2567	96.49	19.22
PCN 350	3	90	11.24	42.0267	43.6467	271.73	247.627	35.6167	638.057	15.9833	128.1	9.35333	89.4633	12.06	10579.7	24.5833	6.96	67.8333	17.9167	105.617	18.76
PCN 351	3	90	11.18	38.8933	53.6767	282.88	168.54	34.9533	559.43	17.3767	125.88	9.80333	94.0667	15.5167	11347.3	25.82	7.26667	71.96	17.7	109.073	19.3767
PCN 352	3	90	10.1367	42.3733	50.4533	303.81	255.393	41.4667	651.04	16.04	136.843	8.62333	94.73	10.6333	10827.5	25.1033	6.69333	60.7367	18.02	106.34	16.8833
PCN 471	7	90	9.63571	42.01	45.3229	338.256	204.86	32.78	612.021	15.4243	121.661	7.46857	84.7357	12.01	11464.5	26.1943	6.62857	65.32	16.1086	102.15	17.8071
PCN 472	7	90	9.47	38.1443	40.5543	411.437	206.243	28.7414	584.813	14.0929	122.53	6.61429	79.5943	10.0729	14514.1	25.3629	6.23286	70.9029	15.2857	91.7571	18.3471
PCN 473	7	90	10.5786	41.0314	46.6186	390.114	272.194	29.8057	727.713	14.5314	116.513	7.88286	82.1157	11.2314	14161.9	27.5614	6.62286	69.9529	14.5757	93.97	18.0686
PCN 474	7	90	12.2057	40.8671	47.1443	309.447	253.651	32.3614	869.023	15.6314	116.867	7.87571	92.9871	12.8914	11219.7	27.1614	6.12571	75.9257	15.2286	101.411	19.8629
PCN 475	7	90	10.2671	38.6914	45.8671	350.127	230.896	28.9586	585.594	13.99	109.386	8.04857	76.85	10.4471	14081.7	25.9929	5.81857	68.9243	14.8386	88.4386	15.4771
PCN 476	7	90	10.5571	44.2057	44.05	311.39	185.516	28.6957	528.529	13.5571	90.6829	5.64286	71.8171	10.4886	10664.7	25.6471	5.08	71.3886	14.8057	83.7929	14.1443
PCN 477	7	90	9.79	41.6471	47.0871	314.361	223.876	29.2786	673.804	14.5029	112.46	6.23	82.76	10.7286	12000.9	27.3914	6.28714	72.0771	14.6057	92.0886	15.0429
PCN 478	7	90	10.62	43.7386	49.0914	228.644	222.354	30.7571	757.859	14.9729	136.986	7.21	85.1286	11.4243	8674.21	27.2829	6.09714	79.5114	15.3171	96.5286	17.8014
PCN 479	7	90	11.8957	38.5914	45.4886	285.42	249.57	28.8971	709.417	14.1429	110.839	7.91857	80.2914	10.6686	11203.9	24.3371	6.20429	67.6671	15.6671	92.0571	15.2743
PCN 480	7	90	12.3529	44.2643	43.2029	304.723	235.899	26.7771	575.011	12.5871	89.5514	5.47	70.85	11.5914	12632.4	24.6586	5.71857	68.8843	12.8271	80.6914	13.8114
PCN 481	7	90	12.1657	44.3114	43.5071	300.096	206.914	28.1357	622.236	12.9357	105.349	5.54571	74.48	10.8629	11304.5	22.7829	6.21429	63.6314	13.3743	82.6414	14.21
PCN 482	7	90	12.8086	48.5629	50.7586	432.077	205.119	31.03	697.549	14.1771	113.373	6.44	81.8471	11.49	15526.6	25.1729	5.61857	69.83	15.0943	89.5614	15.1157
PCN 483	7	90	12.2586	39.1786	43.0857	323.546	243.63	30.4586	732.633	14.0329	127.831	6.68286	82.5743	11.2171	15064.8	23.09	5.24571	64.2786	13.9557	88.1414	15.2429
PCN 484	7	90	13.4114	43.2714	48.3271	263.963	267.197	31.1114	854.95	16.0357	150.037	8.25	92.4271	11.3071	11162.7	25.2143	6.08857	74.29	16.5729	98.4829	19.3114
PCN 485	7	90	12.32	45.7857	47.0343	211.819	228.04	29.08	735.494	14.5786	136.806	7.91	83.4029	10.8457	9893.71	30.7457	6.28571	79.9986	15.0829	94.7257	18.4114
PCN 486	7	90	12.5143	42.7329	47.41	245.326	201.671	28.9214	683.31	14.4129	126.453	7.15571	81.6371	10.5814	11222.7	28.2643	5.93143	78.27	14.7686	93.2129	17.3443
PCN 487	7	90	10.5614	37.7786	42.8943	337.389	184.251	27.8929	587.261	14.0843	117.454	7.75286	77.6943	9.84286	13946.4	25.1429	5.96143	70.2743	15.1129	85.64	14.7043
PCN 488	8	90	11.0413	37.1213	44.1213	298.981	197.854	28.2925	635.304	13.4025	111.711	6.4875	77.2475	10.5325	13027.2	23.465	6.34375	65.2713	14.3288	87.8313	15.0113
PCN 489	7	90	10.6543	39	42.0586	257.013	199.406	27.9071	635.477	13.2129	117.043	6.76286	76.2643	9.86857	12331.8	26.0957	5.48571	72.78	13.6929	84.01	13.3957
PCN 490	7	90	10.9871	42.9443	47.7557	230.043	185.931	26.4771	556.811	13.5229	87.95	6.85714	74.2457	10.3114	10515.7	25.34	5.63286	70.5086	13.0629	86.8386	13.55
PCN 491	7	90	13.3086	50.72	40.8129	229.017	198.359	26.5643	588.916	13.1571	87.8657	6.10286	75.7257	11.89	9783.92	29.8457	5.98143	79.5186	13.25	83.1329	14.18
PCN 492	7	90	13.3986	46.7714	45.2743	245.21	188.767	25.0829	456.897	11.6671	76.8114	5.44571	63.5814	11.2671	9349.39	22.2043	5.73429	61.8414	11.4257	73.9557	12.1886
PCN 493	7	90	11.7129	38.45	38.2843	373.361	138.83	25.21	392.327	11.1529	78.08	5.29286	61.1129	10.8457	14428.4	17.4929	4.51286	48.91	11.7943	71.5314	11.1543
PCN 494	7	90	11.7657	39.5414	48.0186	317.587	232.396	27.6571	672.867	14.1057	119.326	5.93714	79.2986	10.7371	13496.4	24.66	6.25429	68.6814	14.2957	92.8657	14.7543
PCN 495	7	90	12.8429	41.6143	50.9443	269.226	230.121	29.3214	703.119	14.3743	129.476	6.92286	83.3386	13.6171	12427.9	27.44	6.73429	76.0371	15.3457	93.9629	14.88
PCN 496	7	90	11.9057	42.9871	45.43	189.716	237.757	31.64	760.757	14.7371	134.659	7.94571	84.63	12.4157	8905.83	25.6557	6.17	71.6929	15.8857	95.4357	16.2043
PCN 497	7	90	13.0786	45.2243	44.9614	310.534	236.737	29.9243	603.307	14.08	100.631	6.55714	78.0143	14.4257	11874.5	28.1371	5.48	78.4286	17.8457	87.8129	17.07
PCN 498	7	90	11.0229	38.9443	43.5971	347.411	225.269	29.4171	572.949	13.6071	103.873	7.12857	75.2714	11.7629	14230.4	23.9757	6.30714	66.5386	16.3357	86.5886	14.5014
PCN 499	7	90	8.93429	44.1429	45.93	387.719	200.514	30.4443	649.979	14.4157	97.43	7.58143	80.8829	11.1957	13744.6	27.3657	6.58714	75.9714	16.6171	93.7	16.4957
PCN 500	7	90	10.5986	47.8686	47.3157	324.876	239.976	31.1557	765.484	15.1743	108.659	8.99857	87.34	11.3414	13269.9	28.3743	6.78714	79.0929	18.0514	97.7643	16.0471
PCN 501	7	90	9.31	38.19	43.0229	300.876	248.679	27.6757	633.001	14.3243	101.017	8.12429	76.1686	10.4771	12330	25.2571	6.04714	66.7114	15.5157	91.8871	15.4457

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 519	7	90	10.0857	46.1143	40.2257	440.724	170.174	28.5414	431.161	12.88	106.341	7.87571	71.1614	10.68	13045.7	30.2957	5.41286	84.13	16.56	84.6286	15.5314
PCN 520	7	90	8.40143	37.7	40.6543	395.903	181.943	26.7814	460.43	13.0514	108.041	6.68	73.3043	11.0386	13684.3	25.0843	5.69714	69.9271	14.37	83.5914	16.7871
PCN 521	7	90	8.19429	37.2657	39.2543	395.366	178.347	27.9543	502.02	13.2829	100.014	7.21429	77.36	11.2757	14781.6	24.8843	5.90143	69.4143	14.2457	88.3286	16.0929
PCN 522	7	90	8.75571	37.1714	38.9214	340.47	162.829	27.84	513.544	13.5357	88.7371	7.31857	75.3214	11.8014	13253.5	24.7229	5.84286	68.1929	14.3914	85.3571	15.1257
PCN 523	7	90	9.18429	39.4271	44.9186	360.921	189.881	29.1743	599.666	14.0243	117.439	8.23429	79.3414	10.3314	14805.9	25.8157	6.66	71.7386	15.3243	92.11	15.6886
PCN 524	7	90	8.88571	43.0686	41.3657	305.194	215.217	29.7229	574.824	13.9157	90.8957	8.11143	77.3429	11.0629	12077.6	27.4329	6.03286	75.78	14.2329	89.0414	16.97
PCN 525	7	90	9.10429	39.3514	40.7614	304.976	180.646	27.8871	537.066	13.7871	88.8057	7.33429	76.5386	10.6343	13208.6	26.18	5.95	72.7686	14.1	89.1414	15.7229
PCN 526	7	90	9.63143	44.2957	43.6029	269.857	192.513	29.9971	660.149	13.9771	121.679	7.79714	79.2986	10.7871	10934.1	29.1114	6.18857	76.9214	15.3914	91.3171	14.99
PCN 527	7	90	10.4357	39.5129	45.2114	276.391	194.633	28.0529	663.004	14.2543	114.83	8.45429	79.5843	10.3714	11617.7	26.28	6.28286	73.31	15.0986	91.32	15.4186
PCN 528	7	90	9.99	41.2814	43.1829	284.176	225.199	29.9129	608.95	13.8229	114.423	7.2	76.6571	9.57	12250.7	27.2643	5.97571	71.7557	14.5643	88.9929	15.3986
PCN 529	7	90	11.0814	42.1571	46.4714	225.194	219.657	29.86	703.801	14.56	129.354	6.39143	81.7929	10.4643	10750.3	27.7971	6.50143	77.2843	15.8471	94.09	15.9543
PCN 530	7	90	10.7257	41.1457	47.4529	349.714	238.79	32.4629	808.591	15.5971	139.067	7.01571	89.8686	12.1329	15086.3	25.8657	7.18	71.95	16.4	102.26	18.1886
PCN 531	7	90	10.2743	46.2543	43.3743	307.084	204.251	28.6886	649.913	14.3614	99.2229	8.32286	79.4429	9.92143	13399	28.4943	6.37571	79.7257	15.1943	93.2014	16.0957
PCN 532	7	90	11.0857	42.4314	48.0657	297.569	211.853	29.4186	717.327	14.8243	117.999	6.73286	84.4714	11.5171	14082.7	27.6471	6.51714	77.3843	15.0057	94.6629	14.8514
PCN 533	7	90	11.9414	42.5143	44.5014	264.313	222.579	28.2371	711.976	14.0557	104.88	7.56714	82.1457	10.9457	12584.4	26.1029	6.38429	72.7886	15.6229	89.6843	15.6014
PCN 534	7	90	10.9957	43.9186	42.34	302.583	193.621	27.8586	616.524	13.5443	91.5357	6.86286	76.18	10.0814	11685.2	21.9786	5.97143	60.8586	13.3343	87.4786	14.0514
PCN 535	7	90	12.1014	41.5214	45.0386	328.189	216.037	28.5829	643.387	14.3071	124.829	6.65714	79.3429	10.3357	15099.3	23.8814	6.10571	66.5486	15.0971	91.1329	14.7814
PCN 536	7	90	9.62143	43.9671	45.17	281.17	225.187	29.5	601.577	14.6929	116.637	7.75429	81.7186	12.1071	11136.6	29.0871	6.40286	81.2343	16.1371	95.2143	14.4771
PCN 537	7	90	8.46571	42.1571	39.8557	299.1	194.657	27.8171	521.467	13.13	97.0886	7.51143	74.8843	11.2371	10770	27.8129	5.20143	77.6557	14.8643	82.94	14.1114
PCN 538	7	90	8.78714	38.89	44.7529	379.049	274.006	29.9614	666.451	14.4071	107.526	8.13	81.4929	11.1343	14969.5	23.1257	6.54	67.96	14.8357	92.1071	18.0386
PCN 539	7	90	9.75143	43.8471	46.8343	251.396	268.827	31.9229	765.009	14.9614	126.997	8.35286	83.3243	10.5486	11473.4	29.2171	6.47857	77.3814	15.4114	96.9229	16.6686
PCN 540	7	90	8.95714	40.8771	40.98	229.514	250.081	29.1686	645.474	13.88	112.869	7.65	79.3571	10.8257	9337.24	27.0957	6.17	75.2871	15.0143	88.7686	15.8529
PCN 541	7	90	8.99571	42.51	42.0114	314.226	228.361	27.7514	562.033	13.5686	100.167	7.56143	76.1214	10.2014	11912	28.5571	6.29	75.5771	14.48	87.2814	15.2829
PCN 566	7	90	8.79429	40.76	45.4057	354.283	236.519	29.0914	598.353	14.9457	118.864	8.37286	80.1343	12.6829	12411.1	25.4514	6.24	70.8243	17.3843	95.2429	17.2557
PCN 567	7	90	10.9186	43.54	46.0271	281.624	214.983	30.0429	692.557	14.4871	128.631	8.76714	83.5943	11.2443	12139.2	27.3157	6.16857	72.1771	15.3357	93.9414	15.8243
PCN 568	7	90	10.78	37.1529	46.5186	409.73	237.357	29.9271	714.673	14.3129	117.249	8.00143	83.7571	10.8971	15391.4	24.9157	6.66857	68.9571	15.8557	91.2786	15.3714
PCN 569	7	90	10.4529	44.7843	46.79	438.669	240.123	28.9286	724.343	14.8114	154.371	7.63429	85.0114	10.8171	14220.5	29.7486	6.46	83.2	17.2671	94.9443	16.6929
PCN 570	7	90	11.3871	44.2557	48.2371	419.261	223.576	34.7414	759.25	15.11	140.471	8.48429	89.4229	10.4743	16176	29.2714	6.66	81.67	16.4871	99.0971	16.6257
PCN 571	7	90	10.9229	36.7529	44.7129	222.104	243.277	30.3843	781.276	15.0386	126.724	8.53286	87.0543	10.42	10180.8	24.4329	6.42286	64.5157	16.1814	94.4314	17.4957
PCN 572	7	90	10.65	38.7086	46.3343	319.149	249.24	37.5386	798.161	15.3271	146.477	8.51286	89.7429	11.3971	14735.3	25.9314	6.74	72.2671	15.0029	98.4271	19.9886
PCN 573	7	90	10.7114	41.4014	46.5429	372.024	224.751	31.4986	767.149	15.5357	134.824	8.13	85.9057	11.7943	14624.9	27.23	6.37714	76.0957	15.5814	100.104	19.56
PCN 574	7	90	10.2157	41.9357	46.8343	291.659	246.203	28.1043	698.456	14.82	124.577	8.66429	82.3657	11.68	12545.6	27.8971	6.14714	77.2871	14.5586	96.1329	16.0057
PCN 575	7	90	10.0143	40.0029	43.3057	327.084	236.717	30.27	675.624	14.67	121.114	7.85429	81.0543	10.4914	13407	26.7886	6.49857	74.35	14.95	92.6157	15.0743
PCN 576	7	90	10.1957	39.3429	42.2286	319.196	255.629	30.8257	650.196	14.6771	118.167	7.92286	81.4443	11.7671	14091.2	26.4614	5.79429	73.0386	14.7057	95.0114	15.2214
PCN 577	7	90	9.05429	40.13	41.7057	314.63	208.26	29.5543	620.361	14.4971	100.339	7.83	80.8957	11.8071	10526.6	26.9386	6.77714	74.2257	15.8529	92.7371	16.5957
PCN 578	7	90	8.98714	38.92	43.5257	311.623	208.113	29.26	586.303	14.5429	101.803	6.92	78.9186	12.92	11245.1	26.1086	6.33143	72.6843	14.7857	91.3457	14.16
PCN 579	7	90	9.46143	38.2529	45.7329	336.371	220.633	31.0671	623.324	14.21	98.2057	8.09429	80.8314	12.5957	11397.3	25.7243	5.92714	68.38	15.8157	93.0743	17.0286
PCN 580	7	90	9.72571	42.5086	42.96	311.749	239.246	29.88	672.7	14.5629	112.62	8.10714	83.3057	11.6586	11216.7	28.4271	6.81571	78.8686	15.6257	93.4486	14.8157
PCN 581	7	90	10.7971	43.2257	48.1871	274.67	267.907	35.07	807.204	16.1614	135.906	9.15714	92.0029	12.2643	11681.5	26.6114	7.29	74.2786	17.0671	103.414	18.38
PCN 582	7	90	10.4443	41.34	45.74	328.341	182.113	29.31	619.744	14.7043	113.253	8.02429	80.8614	9.70143	13619	27.3114	6.15429	76.2757	15.9757	90.6329	16.04
PCN 583	7	90	12.1271	38.0814	43.3286	234.264	204.369	28.7614	611.519	14.4386	101.283	8.93571	79.6786	10.1614	10729.3	25.5243	6.12	68.1143	16.0114	92.0686	14.9486
PCN 584	7	90	9.00714	38.6043	39.42	357.486	192.73	28.4343	513.141	13.32	96.58	7.90286	74.0986	11.0229	11496.2	25.4914	5.68	70.9857	15.4871	84.2071	13.7871
PCN 585	7	90	9.47857	39.2657	43.6614	390.38	212.377	30.8114	678.166	15.0314	104.47	7.21714	82.2257	12.1086	14448.4	23.9243	6.22571	66.7729	16.8729	96.6557	16.6114

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 586	7	90	10.0357	45.82	44.2986	260.367	259.821	31.91	784.867	15.4129	120.594	9.20714	87.71	10.4371	11042.4	30.19	6.81	80.1729	15.72	98.9343	15.6186
PCN 587	7	90	9.69714	42.0014	43.7243	256.046	229.429	28.3857	687.026	13.9314	110.177	8.80143	81.7729	10.5129	10919.3	26.8914	6.26571	74.3814	14.87	90.6229	15.1543
PCN 588	7	90	10.3686	38.8643	42.36	291.703	234.751	30.2757	619.696	14.7386	102.8	7.28429	81.9657	11.0357	11292.1	24.84	6.52	68.69	14.9486	92.8586	15.75
PCN 589	7	90	9.97714	41.3614	42.8871	503.479	180.297	29.14	613.424	14.62	108.161	8.86714	81.0457	11.3243	14873.7	26.4043	6.39429	73.7843	16.8343	94.6886	16.4114
PCN 590	7	90	10.2786	46.1386	43.8686	308.81	225.117	29.9943	601.39	14.0129	111.377	8.36143	79.6214	10.5671	12013.9	28.8357	6.14714	79.8114	17.3214	89.7543	15.7871
PCN 591	7	90	9.75286	38.4843	42.9971	351.279	193.241	29.1514	577.144	14.3543	120.001	7.86143	79.04	9.68857	13703.5	25.59	5.95714	70.8914	16.1314	93.7086	17.41
PCN 604	7	90	12.33	44.6257	49.43	298.609	211.709	32.9029	684.471	15.1786	121.594	7.24429	84.7486	11.2786	10918.3	28.1871	5.82143	75.0186	17.1586	96.4014	15.5543
PCN 605	7	90	11.3229	42.6071	46.4186	316.704	217.939	29.5157	655.781	14.5043	105.557	6.33714	81.6114	11.2743	12724.9	28.3029	5.47571	78.7771	17.0071	93.6757	15.43
PCN 606	7	90	12.6014	45.7386	49.3371	446.263	260.043	31.5786	734.284	15.1457	108.977	6.48714	84.3257	12.0343	15794.1	30.6514	5.87714	85.39	17.4129	96.3914	16.2457
PCN 607	5	90	11.472	47.25	42.786	183.458	206.852	29.016	583.19	14.674	95.462	6.042	77.736	11.02	7428.39	31.574	6.374	87.588	16.024	96.208	16.43
PCN 608	7	90	10.9329	43.1443	44.1057	286.496	208.314	28.2029	552.346	13.6171	102.771	5.91714	75.0271	10.4657	11223.5	27.4229	6.34714	76.5857	15.67	88.07	15.8229
PCN 609	7	90	10.1129	42.3857	43.9986	301.943	204.881	27.9529	516.063	13.9086	105.207	5.79	75.6743	10	11483.1	28.1729	6.09857	78.3743	15.9443	87.6914	15.62
PCN 610	7	90	10.3314	42.2186	41.7571	317.63	188.763	27.8371	452.093	13.5614	97.1657	7.31	76.0371	9.79143	11049.9	25.7186	6.07714	71.5486	16.1257	86.7057	16.5
PCN 611	7	90	10.2114	34.8986	39.1914	369.536	173.921	29.5243	439.467	14.0043	112.256	8.14857	75.4871	11.0914	12598.6	23.2786	5.70857	64.7157	17.2286	92.5014	16.7271
PCN 612	7	90	11.1914	43.6157	45.02	427.131	207.511	34.1929	498.786	15.0986	120.574	8.39857	79.2114	10.7271	15158.1	27.3271	5.99429	72.0743	18.1057	95.03	17.7771
PCN 613	7	90	9.41143	36.7614	38.4729	326.199	183.181	27.3357	460.996	13.1143	112.05	7.56286	72.7071	9.97857	10374.2	24.3214	5.64	67.5629	17.1429	82.99	16.8986
PCN 614	7	90	11.7	39.82	40.5443	369.141	192.007	26.6243	441.69	13.4686	105.684	6.40714	72.51	9.72714	11369.8	26.3643	5.73714	73.01	16.6914	88.2186	16.5271
PCN 615	7	90	9.77286	42.4157	40.0871	364.919	174.031	26.2543	441.833	12.9643	110.299	7.43286	72.2643	10.2386	11733.6	27.8671	5.81429	77.0086	16.5786	83.5071	15.8471
PCN 616	7	90	9.03714	43.4886	40.4014	293.77	179.907	31.0257	479.039	13.8386	117.651	7.23857	73.5286	10.09	8491.81	28.4886	5.64857	78.8857	16.8414	84.3129	15.4271
PCN 617	7	90	10.7829	42.3514	49.2686	276.237	224.694	33.2829	768.436	15.9529	141.991	7.39286	90.3114	12.3714	11053	27.9357	7.31714	78.0643	16.48	103.251	18.8357
PCN 618	7	90	12.7614	46.9286	53.9171	345.603	286.203	38.9343	982.746	17.1414	158.373	7.39	99.0929	12.7414	13132.3	28.9414	7.87143	80.9786	16.4829	109.431	18.5486
PCN 619	7	90	17.0643	39.9186	55.6986	303.56	260.03	31.9271	836.979	15.6586	124.556	6.81571	89.5343	14.3986	13389.8	26.1557	6.52714	72.8571	15.7414	101.847	16.8971
PCN 620	7	90	12.2357	42.41	49.6357	300.487	245.251	34.3257	699.104	14.9286	109.057	7.69571	83.1186	10.38	12733	26.4486	6.50714	73.9357	14.8829	95.66	15.9857
PCN 621	7	90	13.7714	39.54	54.7657	344.816	262.533	29.2457	743.921	15.2386	125.61	8.64429	87.02	11.1286	11830.1	25.8571	6.28429	72.3057	15.8071	96.0314	15.0586
PCN 622	7	90	11.8157	45.1757	50.7243	402.417	248.726	30.2243	751.859	15.4557	122.589	9.14143	87.7843	10.9357	13591.1	29.6243	6.14714	82.3214	16.7257	96.5829	16.2171
PCN 623	7	90	12.73	40.1071	55.1714	368.264	289.156	31.64	822.801	15.5086	122.983	8.71714	87.6957	11.98	14696.5	26.5371	6.37571	69.9786	17.3729	97.5386	16.4443
PCN 624	7	90	13.24	43.1257	48.9743	411.793	243.206	34.08	781.547	15.9357	117.016	7.86857	88.1329	11.2286	15545.8	28.5614	6.40857	79.6086	16.9586	102.147	17.8643
PCN 625	7	90	11.26	40.0543	45.4886	297.149	224.427	29.6271	602.891	14.5614	111.336	7.84429	79.0286	10.6	10369.8	26.8529	5.96857	74.0414	15.9386	91.6057	13.9214
PCN 626	7	90	11.7443	39.3971	46.25	386.367	205.117	30.3257	472.107	13.5257	145.63	7.13857	71.4571	11.8757	10464.7	25.7757	5.59143	71.7429	16.55	87.05	14.4414
PCN 627	7	90	10.4029	38.0586	42.7086	436.789	196.629	30.7329	524.746	13.96	137.226	8.1	76.26	11.0514	14536.4	24.9814	5.59857	69.7643	16.8014	87.4414	15.1529
PCN 628	7	90	11.56	43.5814	42.6071	462.19	226.736	35.9214	548.076	14.56	117.353	8.03857	76.6843	11.2543	14914.6	27.27	5.36714	75.8086	16.9143	90.3057	14.2057
PCN 629	7	90	11.94	40.2457	49.7743	333.521	215.757	29.7043	612.833	13.8843	129.436	8.21143	79.18	10.04	12369.8	26.6729	6.17429	74.12	17.5286	87.41	15.3443
PCN 630	7	90	9.76571	43.1671	43.1314	339.721	205.833	35.6957	657.471	14.6657	101.09	7.08429	82.91	11.2971	13559.9	28.5743	6.4	76.3143	16.5186	93.2543	15.5043
PCN 631	7	90	9.14857	39.5014	45.12	289.75	210.66	36.8243	717.223	15.4514	111.717	7.93429	86.3243	10.7214	11353.2	25.9671	6.33143	72.4943	15.9114	98.2314	18.26
PCN 632	7	90	9.22	40.7771	44.9143	353.697	260.973	34.6129	779.889	15.9214	112.493	8.68857	91.1086	12.6243	12140	27.0643	7.21143	68.4029	15.3014	105.33	18.9543
PCN 633	7	90	9.06714	42.0486	45.6829	290.559	232.606	32.4186	749.174	15.58	122.43	8.19	87.98	13.1186	10675.4	27.4429	6.63	76.5814	16.9771	101.186	17.1743
PCN 634	7	90	10.1729	45.0414	44.5871	309.08	278.686	33.4757	792.776	15.5529	115.371	9.03143	91.14	12.0386	13437.1	28.4014	6.49571	70.1757	16.8186	101.871	17.7243
PCN 635	7	90	11.0357	41.9729	49.3871	429.274	250.776	34.61	696.01	16.1071	138.967	8.38	91.8557	11.4471	15176.3	27.0043	6.45571	75.44	18.4086	105.054	19.5843
PCN 636	7	90	9.75286	47.7443	46.4571	300.843	226.989	33.2343	775.749	15.8543	136.451	8.23429	91.0414	11.8671	11290.3	31.5114	6.74571	87.9414	16.6257	99.7771	17.8314
PCN 637	7	90	12.3914	47.1186	50.5514	365.211	332.03	36.6586	919.693	17.3457	139.011	9.48571	99.4057	15.0014	12783.4	31.1357	8.01571	86.43	17.3886	110.569	19.48
PCN 638	7	90	10.02	44.8486	44.1257	356.153	226.386	31.9914	725.494	15.1357	120.421	7.64429	87.4243	10.1229	13166.5	29.6814	6.37	82.9871	16.38	97.5743	17.6
PCN 639	7	90	8.85286	43.0629	36.9743	606.911	140.863	24.0486	378.457	11.7886	112.299	5.34	64.31	9.33714	14425.2	19.4929	5.53857	54.4129	13.5486	76.8829	15.2414
PCN 640	7	90	8.27286	49.6629	37.4157	519.413	154.979	24.8886	392.204	12.2757	129.911	5.65429	66.9386	9.31143	14654.7	23.6514	5.31571	61.8686	13.7114	79.5229	15.65

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 641	7	90	8.84571	38.7086	41.53	350.697	141.716	28.86	404.14	12.7429	84.9757	5.64286	70.0857	9.67571	11884	20.26	5.49286	56.7414	14.9886	83.1671	15.44
PCN 642	7	90	9.04286	41.0771	44.8829	403.079	215.674	29.6614	575.607	14.6286	138.514	8.00429	81.7157	10.5114	13832.3	26.3186	5.60857	73.5243	18.6929	91.46	17.7386
PCN 643	7	90	10.92	45.6286	43.2429	352.181	248.593	29.9614	600.051	14.5657	127.829	8.00571	82.9057	10.4886	12131.8	27.3343	6.09143	72.8071	18.6186	95.1571	17.7029
PCN 644	7	90	9.66	40.4786	43.5857	436.859	212.621	30.8457	594.451	15.18	134.489	8.16143	84.6057	10.1286	15104.2	26.0514	6.14	72.5614	18.1914	97.3057	18.3643
PCN 645	7	90	9.22857	42.1471	42.8229	426.737	203.941	29.4271	607.453	14.6543	135.876	8.72714	83.0543	11.3543	15241.1	26.45	5.92714	73.5129	16.4286	93.8757	17.8429
PCN 646	7	90	9.92143	44.7929	44.2014	326.646	248.631	32.1886	702.347	15.35	116.374	8.09857	86.6257	11.3686	12521.6	29.6014	6.68857	75.1043	15.8586	99.5071	16.2057
PCN 647	7	90	9.58714	43.6243	45.11	228.393	245.379	32.3757	692	15.2543	110.823	8.01143	85.5571	11.2129	8699.77	26.35	6.84286	72.8114	15.7129	100.06	16.6557
PCN 648	7	90	9.43571	37.7371	43.74	375.231	209.571	29.8629	671.526	14.8871	114.813	8.31714	83.1614	11.5929	14631.4	24.9829	6.72429	69.4071	15.4657	96.01	15.8443
PCN 649	7	90	9.85857	45.85	43.3314	313.621	228.1	31.1229	687.111	14.8529	117.199	8.77429	84.5314	10.6314	11003.2	30.3871	6.28429	81.0243	16.3186	94.6029	16.4543
PCN 650	7	90	9.35429	39.0757	48.4671	378.723	274.85	31.0514	706.519	15.49	130.627	9.02714	88.3729	13.2614	11937.3	25.4571	7.03571	71.4086	18.3643	101.187	16.5443
PCN 651	6	90	11.5317	43.6867	42.7683	336.648	208.468	29.1117	608.913	15.04	143.732	8.51667	83.6467	11.045	10359	25.9633	6.52667	72.0383	19.9733	96.1317	17.6133
PCN 652	7	90	11.8114	46.4043	42.5157	287.736	184.27	30.3429	492.554	14.4057	147.553	8.79429	76.0971	10.01	8483.01	29.3814	5.45571	81.12	18.0114	92.22	16.9186
PCN 653	7	90	11.5714	44.9843	45.2914	371.296	245.167	31.1086	592.707	14.62	136.219	7.61	82.6129	9.98571	12126.9	29.1443	5.97	81.4886	18.5614	93.1443	17.6671
PCN 654	7	90	12.3871	44.4871	44.3914	371.813	211.687	30.24	564.473	14.62	122.857	8.26286	80.6571	9.57143	10477.4	28.8814	5.88429	76.5429	17.8657	92.8171	17.0043
PCN 655	7	90	11.3329	45.3057	38.4543	367.974	195.559	29.9486	476.347	13.9057	116.197	7.58429	74.7686	10.4171	11113.9	29.2643	5.96	81.6171	17.0829	88.4886	16.1771
PCN 656	7	90	10.2414	38.4743	39.0629	423.181	183.541	26.3414	442.146	13.55	118.863	8.13	72.08	9.71714	12885.3	25.1843	5.33714	70.0986	16.7971	85.5829	16.64
PCN 657	7	90	10.6343	37.9129	42.9629	397.22	199.196	29.4371	481.11	14.31	113.86	8.25286	80.8914	11.5957	11917.7	24.8571	5.97571	69.3143	18.0914	90.5586	17.2214
PCN 658	7	90	11.3329	47.6986	42.3086	357.044	220.573	34.1371	509.793	14.3229	114.424	8.66857	77.7557	10.3986	10617.8	30.0829	5.97571	83.9529	17.3329	92.2229	16.7614
PCN 659	7	90	9.35286	39.44	45.7157	360.223	205.941	30.1329	579.486	14.3757	119.121	7.85143	79.35	11.2214	12695.4	26.3643	6.16857	73.2857	15.9057	92.8543	17.29
PCN 660	7	90	9.05143	40.8486	42.1414	414.591	223.504	29.4014	631.477	13.9757	112.094	7.67714	78.6871	11.8829	13252.9	27.3343	6.22286	75.9629	15.0857	91.5629	17.0071
PCN 661	7	90	9.19714	42.17	44.1614	330.514	201.604	30.0971	606.35	14.5757	120.116	6.68	79.5614	11.0257	11373.1	26.4243	6.58286	73.8271	15.4171	92.1543	17.54
PCN 662	7	90	9.27286	38.7886	45.85	262.309	237.851	30.8457	674.596	14.59	137.311	7.88286	80.95	10.24	8736.88	25.7914	6.30571	71.3643	15.9057	95.6386	17.6257
PCN 663	7	90	9.81857	39.5529	42.1643	375.77	240.346	29.8229	644.76	14.4943	120.597	7.77	81.1143	10.14	12403.6	26.5271	5.98571	73.3629	15.6314	91.6486	16.8814
PCN 664	7	90	9.46429	40.4286	46.5257	364.969	253.873	30.4843	682.837	15.0886	120.94	8.34714	85.3114	11.95	12887.2	27.0043	6.85857	75.2014	15.8471	98.59	17.0571
PCN 665	7	90	9.7	40.0257	45.7486	365.153	252.719	31.0786	712.53	15.0543	113.614	8.25429	85.9914	10.4643	13620.9	26.45	6.88	73.5371	15.6614	97.1629	16.9014
PCN 666	7	90	9.41429	41.9871	44.5643	359.09	253.527	30.7029	717.344	14.8757	126.573	8.70857	82.8757	12.3343	13523.9	28.0343	6.65429	73.9029	16.2	96.0129	16.5529
PCN 667	7	90	9.79286	40.2714	42.2414	301.883	230.741	29.6386	736.45	15.13	129.031	7.54571	85.1186	11.0129	12078.5	26.6914	6.80714	74.0514	15.3371	94.2043	16.0014
PCN 668	7	90	9.59143	40.0586	42.4786	302.09	267.376	30.7829	716.549	15.1557	133.877	8.65	86.8129	11.7986	10479.5	25.19	6.73857	69.9543	16.0629	95.8271	17.4843
PCN 669	7	90	10.1486	40.6771	44.3057	320.67	284.333	33.01	728.849	15.23	167	7.20857	88.5357	10.4771	10132.2	26.9886	6.52286	75.0386	15.6657	100.257	19.8243
PCN 670	7	90	9.72	40.9686	45.7314	404.226	303.344	33.9486	817.774	15.1386	177.737	8.93857	92.5371	12.5386	15032.6	26.1771	6.71	72.4343	17.3814	96.9586	20.7914
PCN 671	7	90	9.96	38.8443	43.5271	306.896	266.389	33.2986	811.826	15.8243	120.439	8.36286	87.0514	11.8329	11694	26.01	6.40286	72.3143	15.7429	100.053	17.2557
PCN 672	7	90	10.0486	44.5129	45.2029	327.259	274.223	30.9186	792.009	15.7429	126.584	8.84286	88.95	12.7743	11915.7	29.9171	6.81571	82.84	15.1271	99.8757	17.8843
PCN 673	7	90	9.80286	39.6357	45.5743	298.871	278.031	33.0314	795.427	14.9129	131.979	8.38857	88.8486	11.8114	10502	24.1171	6.08429	62.8914	14.8571	95.1057	17.6643
PCN 674	7	90	9.12429	47.6043	43.8286	326.129	251.149	33.0214	754.443	14.9129	146.737	8.79	88.7186	11.8871	10316.7	28.88	6.06571	71.4271	14.49	97.1557	18.2743
PCN 675	7	90	9.27429	44.6629	44.2743	280.651	257.581	31.6457	730.543	14.9071	142.973	8.64143	86.4429	12.37	9375.89	29.8386	6.31143	82.7214	15.5671	96.2343	16.7786
PCN 676	7	90	8.73857	41.7229	45.75	358.493	269.816	32.7271	763.877	14.7686	165.544	8.72429	91.6071	12.5814	12160.3	27.7229	6.09857	73.8857	15.0443	95.1743	18.6214
PCN 677	7	90	9.03286	38.3386	44.6943	359.26	261.85	31.1214	743.269	15.0357	152.216	8.27286	87.1314	12.8271	12300.1	25.6	6.56571	68.2329	14.7686	95.7157	18.1257
PCN 678	7	90	9.56286	40.3129	44.6886	327.101	256.204	33.97	723.259	15.2757	138.541	8.64143	90.4071	12.4414	11697.3	26.6657	6.62571	64.37	16.3414	99.12	18.7443
PCN 679	7	90	9.12571	41.9657	44.8814	324.77	239.806	30.0971	681.833	14.8857	145.627	8.12286	84.9829	12.0257	11460.2	27.7786	6.47143	77.4543	15.9086	94.6786	17.75
PCN 680	7	90	9.56429	40.4986	45.6886	322.849	276.509	31.4714	749.974	15.4514	151.471	8.53	87.9429	12.1243	10932.1	26.8771	6.38143	74.67	16.4471	100.336	18.5671
PCN 681	7	90	9.03143	42.7843	44.0357	317.596	214.61	30.7957	685.924	14.5771	141.411	8.22143	84.5743	12.8414	9879.56	28.6557	5.92857	79.5257	15.9214	92.0314	18.4357
PCN 682	7	90	9.00714	40.1186	44.9514	377.769	263.744	31.5129	673.331	14.8757	140.706	8.75571	86.0914	12.8714	12191.1	26.8457	6.41	74.58	16.5543	96.18	19.0786
PCN 683	7	90	9.85143	48.6543	40.16	345.321	235.769	28.4029	635.614	14.45	113.247	8.51571	80.0071	10.8771	11173	30.5886	5.99857	84.7071	16.1157	91.4386	15.6486

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCN 684	7	90	10.3386	44.6171	43.3471	300.079	257.276	29.6286	687.077	14.6771	137.236	7.57571	85.67	10.8271	10567.6	28.1343	6.30714	78.3229	17.3471	95.5971	17.1057
PCN 685	7	90	9.43286	45.8414	45.0143	276.801	255.099	30.8029	688.703	14.4157	146.13	8.32143	83.8657	11.51	9410.64	30.8671	6.30286	82.6414	15.8429	94.12	17.4843
PCN 686	7	90	9.52857	40.9329	43.8071	394.874	272.97	32.2543	694.784	14.9071	138.377	8.75714	85.7043	12.0486	12874.4	27.3829	6.42857	76.1871	15.6357	95.4329	17.1371
PCN 687	7	90	10.2814	42.8643	42	334.514	237.591	29.0157	677.869	14.5471	130.071	8.55429	81.3757	11.3243	12073.9	27.1014	6.31857	75.8629	15.9771	93.1629	16.2814
PCN 688	7	90	9.64143	42.0471	43.84	340.357	263.543	32.4457	746.249	15.1143	121.4	8.36571	86.1543	12.4457	12107.3	27.7543	6.55	69.99	15.5557	95.7843	17.3043
PCN 696	7	90	9.48429	45.5986	45.2	387.034	234.046	32.4114	664.65	16.08	147.327	8.80429	88.1429	11.6686	12096.9	29.2729	6.31	81.0443	22.27	100.84	20.37
PCN 697	7	90	9.46714	46.2414	44.7629	327.829	252.419	31.5514	644.066	14.74	148.089	8.29714	85.0314	11.8671	10782.7	30.1157	6.36857	77.7143	19.2543	97.4014	19.2071
PCN 698	7	90	10.2529	45.1143	44.2243	398.197	244.361	30.7771	694.731	15.5314	156.361	9.06286	85.7186	12.1986	12589.9	29.4271	6.53286	81.82	19.9486	97.96	18.9343
PCN 699	7	90	10.0814	49.7071	46.8057	388.501	219.413	31.4486	703.124	15.4214	143.67	8.90857	90.4457	13.0657	13203.6	32.4643	7.07714	90.1014	20.0843	98.6471	18.07
PCN 700	7	90	9.80429	45.2914	43.8886	400.627	277.091	34.1314	708.164	15.8771	142.817	8.33286	87.5243	11.7886	12208.3	27.8957	6.74429	77.6229	23.0986	101.323	19.1386
PCN 701	7	90	9.20143	52.4943	46.4471	448.001	246.113	31.7886	741.027	15.7914	152.404	8.61	88.2186	13.1543	13489.3	33.8729	6.48286	93.8286	21.77	100.95	19.7757
PCN 702	7	90	9.44286	51.7929	48.1886	449.721	282.721	33.1543	727.923	15.8743	199.546	8.96857	90.6157	12.7043	14388.1	29.98	6.17	83.4314	18.9914	100.374	21.7257
PCN 703	7	90	9.68571	43.7814	43.0829	334.047	242.829	32	731.051	15.5243	156.61	8.71286	87.7171	11.79	12161.6	29.1229	6.61857	81.1443	16.1614	99.41	18.6314
PCN 704	7	90	9.62	40.71	48.0543	427.334	252.977	31.24	767.309	15.5843	151.009	8.85143	90.1143	12.1571	14985.1	27.2329	6.82857	75.31	16.4643	101.609	18.3271
PCN 705	7	90	9.14571	41.5843	42.5443	389.276	245.556	31.6171	695.384	15.1457	155.336	8.73571	84.8543	11.6486	12876.7	26.0814	6.30286	69.5314	16.6886	98.42	18.4086
PCN 706	7	90	8.84857	46.0871	45.7643	442.693	267.98	31.06	681.17	14.8029	142.95	8.50286	82.7643	10.8414	14923.3	30.7143	6.62857	85.1343	15.7486	97.1629	17.9386
PCN 707	7	90	9.94143	46.5529	47.6957	324.816	283.564	34.4543	765.947	15.8143	164.773	9.04714	91.8057	13.2029	11576.3	28.69	6.79571	73.8929	16.11	100.046	18.0114
PCN 708	7	90	9.61286	43.4386	43.3171	352.13	266.559	33.8114	754.617	16.1329	162.586	8.69571	92.18	12.8157	11862.1	27.7971	6.79571	64.8929	16.0086	103.607	18.6029
PCN 709	7	90	9.29571	43.1243	44.72	344.13	280.506	30.1943	681.847	15.2686	156.257	8.67	87.2043	11.9157	12141.6	25.57	6.51	60.3029	16.7543	96.4371	18.7614
PCN 710	7	90	8.69286	43.6229	41.67	381.43	283.223	31.35	686.997	15.0286	158.713	8.74571	85.6157	12.6329	12905.4	27.4271	6.38714	72.9114	16.73	95.6114	19.0829
PCN 711	7	90	9.37571	44.4057	44.1571	296.696	238.587	30.7143	680.249	14.7557	145.031	8.71143	84.2014	10.8729	10039	26.7643	6.73143	70.96	15.7371	95.3986	17.6943
PCN 712	7	90	9.24857	38.1214	43.95	258.97	247.004	30.6314	660.044	14.9586	146.271	8.41857	83.5343	12.2229	9034.74	25.6686	6.34857	71.0271	16.1829	96.7586	17.91
PCN 713	7	90	9.68143	43.71	48.6671	350.677	289.153	33.4057	779.387	16.3771	146.803	8.83857	94.3686	13.4729	12663.8	26.2743	6.70857	73.3714	16.7214	104.497	18.4057
PCN 714	7	90	8.52286	43.7829	43.84	382.73	206.386	29.6686	654.64	14.4286	134.357	8.29286	82.7257	12.1829	12627.1	27.3471	6.14714	81.3157	15.5871	93.6429	16.7614
PCN 715	7	90	9.45143	44.0929	47.2114	316.673	253.657	31.5414	715.084	15.4714	147.871	9.1	86.7843	11.8514	11397.5	26.63	6.52286	70.19	16.5686	100.536	18.43
PCN 716	7	90	10.2071	44.1671	45.8843	328.059	221.224	35.32	706.639	16.69	144.344	8.90143	91.1814	12.5429	11567.2	28.0443	6.87571	78.38	16.5914	106.17	17.6343

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 064	13	90	-15.0562	-194.882	NA	475.562	-108.935	-14.88	12541.7	NA	168.836	NA	NA	7.33923	NA	-8.17154	NA	-8.28846	NA	NA	-5.88846
PCN 065	13	90	-4.63385	-279.126	NA	1393.09	0.32	-16.0062	6121.84	NA	218.133	NA	NA	4.71154	NA	-26.1923	NA	-72.89	NA	NA	-380.895
PCN 066	14	90	-4.51	-380.233	NA	1242.31	NA	41.2264	11050.3	NA	91.6871	NA	NA	-2.46357	NA	-47.73	NA	-141.121	NA	NA	-1.66
PCN 067	13	90	1.83615	-383.227	NA	4058.34	-14.5654	26.4538	4833.53	NA	-17.7731	NA	NA	-8.40308	NA	-37.8769	NA	-127.597	NA	NA	32.0385
PCN 068	13	90	-12.3962	-480.429	NA	1955.57	-116.181	1.16385	-627.057	NA	0.92077	NA	NA	5.62615	NA	-22.49	NA	-79.3908	NA	NA	9.33385
PCN 069	13	90	5.90538	-306.648	NA	1229.25	-29.19	2.89923	3540.05	NA	284.312	NA	NA	6.30154	NA	-11.8823	NA	-52.36	NA	NA	5.3
PCN 070	14	90	3.76571	-130.625	NA	2374.21	-66.3129	50.3907	10162.4	NA	259.548	-2.46286	NA	7.55929	NA	-20.5671	NA	-64.04	NA	NA	-38.1007
PCN 071	14	90	5.87286	-152.74	NA	2494.32	-26.1636	31.7586	7250.67	NA	207.745	-0.52	NA	5.76	NA	-20.0493	NA	-83.6829	NA	NA	-47.6714
PCN 072	13	90	-4.08923	-212.43	NA	1521.1	-57.1915	9.04846	922.227	NA	150.028	NA	NA	4.92692	-519.825	-19.59	NA	-61.4962	NA	NA	-0.67
PCN 073	14	90	12.5914	-349.091	NA	-1228.47	-110.722	-24.3164	-3062.16	NA	-103.436	5.98071	NA	4.40857	NA	-51.2486	NA	-134.101	NA	NA	-130.63
PCN 074	13	90	9.19846	-132.314	NA	2851.84	-109.895	30.1562	12026	NA	148.24	4.78846	NA	5.23846	NA	-25.6254	2.13615	-57.0415	NA	NA	7.64462
PCN 075	14	90	-4.28929	-39.595	NA	776.081	-8.45357	6.505	10499.1	NA	74.8914	5.09714	NA	8.26571	NA	-10.5671	NA	-27.7279	NA	NA	-7.12357
PCN 076	14	90	-17.4593	-193.936	NA	-478.32	-13.8707	-10.3407	-4271.24	NA	NA	1.47286	NA	6.60714	1297.42	-20.7586	3.59571	-64.2979	NA	NA	1.02143
PCN 077	14	90	2.57714	-124.686	NA	898.157	-93.0407	8.28071	13299	NA	69.0714	NA	NA	9.20357	2392.92	-10.0086	4.54929	-18.7943	NA	NA	-54.0979
PCN 078	15	90	-2.18067	-160.347	NA	333.907	-214.823	16.952	6215.18	NA	72.9833	NA	NA	4.16	NA	-15.8787	2.24533	-49.7613	NA	NA	-1.62533
PCN 079	13	90	3.75769	-23.5646	NA	155.974	-114.353	3.78385	14167.6	NA	28.6908	3.58615	NA	7.86154	NA	-5.46923	5.13615	-5.72	NA	NA	-10.0162
PCN 080	13	90	-1.34	-149.791	NA	-356.528	-149.072	16.4662	13234.8	NA	-21.1862	NA	NA	2.14769	NA	-18.9338	NA	-48.7669	NA	NA	-52.3631
PCN 081	14	90	-0.34071	-288.19	NA	-649.376	-129.414	-9.05786	1918.78	NA	-19.3321	1.15929	NA	7.81786	NA	-37.9007	4.46286	-104.181	NA	NA	-10.9021
PCN 082	13	90	8.30692	-120.106	NA	1419.3	-198.991	-0.57615	20707.7	NA	123.313	NA	NA	8.60385	NA	-11.5031	6.68769	-31.24	NA	NA	-1.71
PCN 083	13	90	9.59538	-142.14	NA	2371.88	-154.141	38.9162	27050.1	NA	83.1577	NA	NA	11.5969	NA	-23.4277	5.75538	-71.8408	NA	NA	37.5362
PCN 084	14	90	10.7721	-85.5093	NA	1610.88	-148.051	61.245	31566.9	NA	481.466	-2.24357	NA	7.315	NA	-25.9743	NA	-69.5807	NA	NA	25.2057
PCN 085	13	90	11.6792	-93.8831	NA	1256.69	-52.5269	8.99385	26160.2	NA	48.5485	NA	NA	4.34077	NA	-4.52615	5.00462	-15.4238	NA	NA	-5.35077
PCN 086	12	90	0.70417	-7.8525	NA	93341.7	NA	15.1392	1696.47	NA	93.085	NA	NA	NA	NA	-2.3075	NA	-15.4	NA	NA	7.24083
PCN 087	13	90	NA	-268.273	NA	-464.188	-26.5577	16.7846	2932.47	NA	-8.48077	0.39077	NA	4.74308	NA	-19.3938	NA	-62.4223	NA	NA	-159.546
PCN 088	13	90	NA	-235.664	NA	-1354.56	NA	25.1746	7180.19	NA	159.012	NA	NA	1.75692	NA	-20.7062	NA	-48.2977	NA	NA	-9.92846
PCN 089	21	90	2.63286	-280.504	NA	5838.54	NA	3.95524	1503.39	NA	-91.18	NA	NA	3.19571	NA	-24.1424	NA	-74.7743	NA	NA	-190.778
PCN 090	13	90	NA	-276.208	NA	-85.8915	NA	1.33692	3650.98	NA	39.3285	NA	NA	1.68769	NA	-23.8323	NA	-69.4	NA	NA	-13.8177
PCN 091	13	90	NA	-419.434	NA	676.372	-7.94385	19.5677	2140.18	NA	-119.226	NA	NA	7.98923	NA	-55.7669	NA	-164.173	NA	NA	-194.86
PCN 092	13	90	66.6492	-43.1569	NA	2283.2	8.96385	20.4031	12088.3	NA	316.638	NA	NA	9.92385	NA	-14.5269	NA	-37.2377	NA	NA	15.5131
PCN 093	13	90	12.8362	-122.955	NA	1153.11	16.0031	14.1069	12994.6	NA	81.0877	3.28769	NA	7.32385	NA	-24.1392	NA	-74.8854	NA	NA	-3.28538
PCN 094	13	90	15.9715	-343.466	NA	-161.348	-147.077	-10.2008	-4316.53	NA	-148.364	8.50308	NA	-3.33077	NA	-33.9815	8.19538	-91.28	NA	NA	-4.56923
PCN 095	14	90	27.6743	-241.135	NA	-19.2136	-187.18	-22.6114	26148.9	NA	-64.09	NA	NA	-8.89214	NA	-25.3629	18.7543	-69.9107	NA	NA	0.23286
PCN 096	13	90	14.6077	-126.578	NA	-284.508	-67.6238	5.42615	16616.2	NA	-161.655	6.02923	NA	-0.50385	NA	-16.7177	10.0515	-53.0623	NA	NA	-40.2415
PCN 097	13	90	29.2438	6.77846	NA	2652.35	-2.04231	34.0715	31325.8	NA	625.44	7.99231	NA	16.1723	NA	-20.92	NA	-45.7415	-3.78308	NA	17.0254
PCN 098	12	90	12.0983	11.7233	NA	866.943	-3.46917	-1.2575	29626	NA	304.547	8.03833	NA	8.93	NA	NA	NA	NA	NA	-10.8175	8.90417
PCN 099	13	90	10.9277	-0.08769	NA	1128.01	-100.933	-21.1508	27903.1	NA	6.43615	3.85385	NA	11.3646	NA	-2.94846	7.35	-6.13231	NA	NA	7.66538
PCN 100	12	90	17.5867	-2.51417	NA	344.003	-28.65	0.60833	26976.1	NA	-18.2875	15.9458	NA	7.655	NA	-5.4325	7.645	-15.9967	NA	NA	-5.48833
PCN 101	13	90	10.7269	34.7308	NA	736.193	-133.481	-1.56769	22109.1	NA	29.9485	3.30231	NA	-0.31077	NA	NA	7.13077	NA	NA	NA	-4.65308
PCN 102	13	90	13.5969	-25.1054	NA	597.528	-37.8354	-2.67154	33892.6	NA	17.8631	4.78846	NA	1.51231	NA	-10.3623	6.06462	-13.9615	NA	NA	-6.49077
PCN 103	13	90	6.57154	-76.6338	NA	203.045	-112.232	-15.7754	20775.3	NA	86.4162	3.89846	NA	15.0154	NA	-11.05	9.30615	-32.1285	NA	NA	-0.23769
PCN 104	13	90	12.6454	-76.1808	NA	108.095	-37.8554	15.47	23177.3	NA	4.97615	5.46538	NA	11.4954	NA	-21.9777	7.06769	-56.0569	NA	NA	0.12538
PCN 105	13	90	19.0138	-53.9569	NA	769.11	-164.665	-1.86	28705.7	NA	-96.6238	7.08462	NA	1.72308	NA	-1.71615	8.47692	NA	NA	NA	-12.2169
PCN 106	13	90	7.24769	-159.473	NA	1707.8	-40.7954	18.5254	17979.6	NA	24.9754	7.03385	NA	17.0131	NA	-12.8638	8.32231	-27.6685	NA	NA	-6.16077

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 107	13	90	-16.1262	-270.524	-32.9269	249.665	NA	0.90462	-4752.58	NA	14.6831	NA	NA	-24.88	NA	-26.7662	3.65615	-91.2108	NA	NA	-4.90846
PCN 108	13	90	-4.94615	-112.772	-3.55846	62.2477	-141.735	45.0792	36344	NA	NA	9.89308	NA	-15.4592	NA	-12.2862	13.6285	-54.3085	NA	NA	2.16462
PCN 109	13	90	7.55077	-210.249	-4.52538	164.993	-112.086	9.77538	26903.3	NA	37.8585	26.3985	NA	9.65154	NA	-22.2469	11.4892	-51.9223	NA	NA	-4.96231
PCN 110	13	90	41.2015	-233.296	NA	-179.027	-68.1892	30.1685	22392	NA	50.8446	16.1585	NA	1.00154	NA	-25.9562	12.6146	-68.3154	NA	NA	-4.90615
PCN 111	10	90	26.451	-134.274	-2.493	-144.051	-239.378	-0.283	572.939	NA	-37.408	9.769	NA	12.531	NA	-18.912	13.5	-76.876	NA	NA	-6.295
PCN 112	14	90	25.6271	-125.965	NA	533.987	-101.722	-9.97929	39829.4	NA	-122.443	NA	NA	21.5936	NA	-2.96071	14.4829	-15.4043	NA	NA	-17.1029
PCN 113	14	90	19.4721	35.0271	NA	2316.04	-82.3407	-0.22714	27905.5	NA	186.156	2.90643	NA	13.515	NA	-3.02643	4.87929	NA	NA	NA	15.3107
PCN 114	15	90	5.26467	-9.496	NA	229.7	-55.4933	21.6593	18790.6	NA	223.621	6.82133	NA	5.514	NA	-1.59867	3.15267	-13.1447	NA	NA	4.88067
PCN 115	13	90	7.37846	7.43692	NA	977.644	-114.117	15.61	27318.2	NA	246.789	NA	NA	9.03231	NA	NA	NA	NA	NA	NA	10.5123
PCN 116	13	90	14.4315	-46.7608	NA	555.635	-170.395	11.2985	29575.1	NA	76.2408	NA	NA	5.10769	NA	-3.50769	9.80769	-19.2677	NA	NA	4.63
PCN 117	13	90	4.41154	-130.208	NA	195.787	-162.862	3.39462	26951	NA	NA	NA	NA	14.2	NA	-16.4792	12.8015	-45.3923	NA	NA	1.50308
PCN 118	13	90	14.7146	-154.524	4.80154	152.662	-316.918	3.81846	30490.8	NA	NA	NA	NA	4.78308	NA	-20.8392	9.58385	-73.7554	NA	NA	-1.41615
PCN 119	14	90	-0.67286	-105.329	-1.25286	243.614	-266.467	4.63857	43206.2	NA	NA	2.94929	NA	6.55214	NA	-10.7821	7.09286	-36.0314	NA	NA	-10.075
PCN 120	13	90	8.81538	-26.3069	2.11615	617.288	-333.564	45.3592	91514.7	NA	45.2669	NA	NA	-12.7377	NA	NA	11.4438	NA	NA	NA	6.77385
PCN 121	14	90	1.48714	-182.606	-11.3829	-89.1243	-244.81	0.69286	28548	NA	NA	NA	NA	-2.915	NA	-23.5429	4.96857	-62.2443	NA	NA	5.32786
PCN 122	13	90	1.07154	-46.8885	NA	-1041.95	NA	-8.62308	21151.3	NA	767.066	NA	NA	8.77769	NA	-5.44077	NA	-6.56769	NA	NA	-7.50538
PCN 123	13	90	1.51385	-109.248	NA	503.039	-21.8131	16.8285	24855	NA	524.422	3.55846	NA	7.49077	NA	-13.0785	NA	-41.9646	NA	NA	4.30154
PCN 124	13	90	2.39846	-36.8562	NA	1384.81	-136.072	22.5262	23334.8	NA	394.929	NA	NA	4.16385	NA	-2.84462	NA	-10.83	NA	NA	2.34077
PCN 125	13	90	-1.84538	-112.076	NA	10661.3	12.7708	6.73154	17861.6	NA	698.255	0.22615	NA	6.56538	NA	-7.15	NA	-22.5323	NA	NA	17.4015
PCN 126	13	90	6.16538	-11.4577	NA	5535.04	-84.7185	48.2792	19317.6	NA	449.144	NA	NA	8.52	NA	-7.78769	3.26846	-10.4954	-0.66154	NA	19.5708
PCN 127	13	90	0.46308	-22.0562	NA	1682.37	-32.4962	13.9246	24473.3	NA	341.949	0.77923	NA	7.49308	NA	-14.08	3.06462	-42.0169	NA	NA	13.5431
PCN 128	13	90	7.22077	-86.9069	NA	5471.23	-140.193	53.5892	28415.7	NA	223.391	0.79846	NA	10.3738	NA	-20.8131	1.27846	-83.5762	NA	NA	16.3031
PCN 129	14	90	29.9836	77.19	NA	4129.06	-12.5521	-2.86214	30206.1	NA	67.3064	NA	NA	6.06571	NA	NA	1.99214	NA	NA	NA	0.69786
PCN 130	13	90	1.33308	-247.462	NA	115.425	NA	12.0631	6047.71	NA	99.6631	0.21077	NA	4.21077	NA	-9.99923	NA	-42.8185	NA	NA	-4.09923
PCN 131	13	90	NA	-274.467	NA	-1516.89	-14.4554	5.33538	817.209	NA	-7	NA	NA	-0.70385	NA	-13.0723	NA	-33.1785	NA	NA	-17.8185
PCN 132	13	90	NA	-309.649	NA	27.3877	-9.06538	0.33462	4802.96	NA	-42.8754	0.25538	NA	-0.89538	-773.112	-17.8115	NA	-54.4492	NA	NA	-17.5446
PCN 133	14	90	2.89357	-228.344	NA	-2457.06	-10.7729	12.7957	5808.93	NA	41.1364	0.55214	NA	0.77286	NA	-4.695	NA	-28.2557	NA	NA	-11.8793
PCN 134	13	90	1.78385	-108.008	NA	630.745	-133.17	-2.31615	11643.4	NA	591.972	NA	NA	6.56615	NA	-14.9146	NA	-49.1362	NA	NA	-5.57154
PCN 135	13	90	5.06769	-153.545	NA	-27.2146	-38.4908	2.61	7984.18	NA	150.042	NA	NA	7.33154	NA	-7.89231	NA	-26.1869	NA	NA	-9.29231
PCN 136	12	90	6.825	-239.768	NA	-2228.66	NA	12.1025	7832.93	NA	87.37	NA	NA	1.67	NA	-18.3308	NA	-69.9975	NA	NA	-5.47917
PCN 137	11	90	11.5118	-110.732	NA	-2633.65	-131.825	-10.2691	22049.3	NA	83.6827	-0.62636	NA	11.24	NA	-3.32727	8.83545	-18.6818	NA	NA	-20.9282
PCN 138	11	90	1.98455	-83.5127	NA	859.823	-144.815	16.7909	29770	NA	731.317	-0.68091	NA	4.53545	NA	NA	NA	NA	NA	NA	12.6918
PCN 139	11	90	-2.15545	-84.8227	NA	279.859	-211.856	31.6445	25512	NA	743.042	4.22636	NA	7.74091	NA	-6.14182	NA	-20.42	NA	NA	16.0755
PCN 140	12	90	0.8775	-88.2233	NA	102.639	-238.566	17.0625	22279.9	NA	746.968	-1.07333	NA	4.01	NA	-6.37917	NA	-25.6733	NA	NA	-13.6075
PCN 141	11	90	5.88364	-59.0355	NA	1720.56	-216.003	14.8591	31693.1	NA	299.214	3.47455	NA	8.78545	NA	-8.66273	5.09727	-26.9327	NA	NA	15.3009
PCN 142	11	90	6.77182	-65.5955	NA	-973.174	-277.903	7	29203	NA	92.1509	-1.56182	NA	7.04909	NA	NA	7.17727	NA	NA	NA	24.63
PCN 143	11	90	-1.58364	-105.51	NA	985.703	-187.231	7.88273	14213.1	NA	263.361	9.5	NA	-4.75818	NA	-5.01364	NA	-15.1136	NA	NA	30.8836
PCN 144	11	90	15.6864	-203.404	NA	-490.402	-216.298	6.61273	16033.9	NA	17.5	-0.59909	NA	1.87727	NA	-4.58273	6.64818	-26.7345	NA	NA	-0.77909
PCN 145	11	90	12.2273	-145.197	NA	-781.245	-283.965	-5.39455	17903.1	NA	-16.6391	-0.13	NA	4.99818	-360.532	-7.71091	5.65091	-34.2327	NA	NA	-9.85182
PCN 146	11	90	14.6445	-97.2355	NA	211.875	-283.939	-8.51455	12189.8	NA	41.5036	-0.84727	NA	3.13909	NA	-2.84182	4.40273	-19.41	NA	NA	-12.2482
PCN 147	11	90	18.2955	-283.151	NA	-467.311	-166.045	-12.8873	13878.7	NA	-2.55273	-0.29909	NA	0.78545	3342.74	-12.4809	7.8	-42.1655	NA	NA	-20.3155
PCN 148	11	90	17.6473	-85.5027	NA	-632.296	-317.149	-26.23	25027.9	NA	-0.62	1.67182	NA	-0.38455	NA	NA	5.72455	NA	NA	NA	-11.7073
PCN 149	12	90	2.195	-141.263	NA	-302.663	-447.196	13.4258	30578.4	NA	73.2342	-0.8175	NA	-13.46	NA	-11.5467	7.51833	-39.5017	NA	NA	8.8

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 150	11	90	0.61	-256.71	0.37364	-613.046	-270.261	0.19909	7494.64	NA	21.0936	6.28091	NA	-9.83364	NA	-20.2764	6.10182	-76.8355	NA	NA	-9.32455
PCN 151	10	90	-4.716	-122.588	NA	-150.272	-349.608	-11.779	3796.26	NA	31.236	11.737	NA	-4.88	NA	-2.874	2.412	-8.668	NA	NA	-8.413
PCN 152	10	90	-0.128	-220.557	NA	-363.4	-398.183	-7.994	12604.9	NA	NA	-0.6	NA	6.19	NA	-2.725	9.205	-17.924	NA	NA	-17.981
PCN 153	11	90	0.42455	-103.275	NA	-352.642	-385.663	-5.37273	5905.6	NA	19.7436	2.01909	NA	-10.4855	NA	-7.32545	6.10909	-17.9773	NA	NA	-10.4964
PCN 154	13	90	6.32923	-12.3454	NA	-801.792	-252.477	-20.5031	20444.8	NA	-30.5585	-4.41154	NA	-3.66154	-1019.24	-2.62462	5.34692	-18.1054	NA	NA	-4.32538
PCN 155	13	90	-9.76615	-47.4523	NA	-395.321	-154.377	-4.93385	8130	NA	76.7138	-3.05308	NA	1.18154	-988.938	-2.25077	NA	-11.6238	NA	NA	-5.55769
PCN 156	13	90	0.53538	-24.9115	1.05154	-682.143	-200.898	3.05	14266.1	NA	113.005	-2.13077	NA	4.07692	-1212.32	-1.92538	NA	-12.7523	NA	NA	1.39615
PCN 157	13	90	2.00538	-69.5138	NA	-944.015	-150.703	-7.16923	16472.3	NA	181.84	1.60462	NA	5.01692	-1234.15	-8.29462	NA	-14.4562	NA	NA	-3.6
PCN 158	13	90	-10.7031	-103.986	0.10846	-651.745	-502.998	5.29615	236.214	NA	-8.03769	-0.95923	NA	-16.0877	NA	-2.33154	3.01769	-8.06769	NA	NA	-0.52154
PCN 159	13	90	29.8154	6.79231	-6.85308	-722.689	-401.865	-12.6877	21758	NA	47.9585	-5.20308	NA	-8.70769	-35.5485	-3.39769	2.32846	-16.84	NA	NA	-29.0346
PCN 160	12	90	23.6458	-31.8842	-25.4108	-1191.09	-288.182	11.8708	2579.39	NA	-4.20917	-9.02	NA	3.45583	-1331.66	-9.04583	8.23333	-29.7942	NA	NA	-12.3933
PCN 161	14	90	-11.1943	-22.2	-12.3243	-2511.53	-268.756	-20.0136	5282.76	NA	-102.998	-2.41214	NA	-9.63571	-3796.9	-4.33857	2.05571	-8.93143	NA	NA	-13.0507
PCN 162	10	90	-37.968	-103.996	1.712	-1501.95	-441.79	-26.832	-11458.3	NA	55.243	-3.528	NA	-22.957	NA	-1.872	-0.254	-11.688	NA	NA	-6.463
PCN 163	10	90	16.731	-129.843	-8.662	-1665.99	-403.986	-34.187	7513.74	NA	33.061	-2.296	NA	-15.486	NA	-1.8	5.196	-31.346	NA	NA	-12.25
PCN 164	15	90	24.724	-86.418	NA	-640.151	-178.837	-16.9307	43103.6	NA	102.139	-8.26867	NA	-0.922	1679.73	-6.498	NA	-35.724	NA	NA	-101.003
PCN 165	9	90	22.1833	-163.877	NA	-1867.81	-368.67	2.85778	37000	NA	-18.0944	-2.47111	NA	-1.84222	1280.63	-3.47333	NA	NA	NA	NA	0.56667
PCN 166	13	90	11.5538	72.8954	NA	-865.329	-141.035	-14.8762	36233.3	NA	755.424	-10.3085	NA	-3.61462	430.38	NA	3.69385	NA	NA	NA	-148.097
PCN 167	13	90	9.17846	-46.5392	NA	-1018.94	-65.0962	-11.2769	25823	NA	473.518	-5.32308	NA	-1.54462	NA	NA	NA	-6.35231	NA	NA	-2.77077
PCN 168	10	90	4.132	-116.293	NA	-1108.04	-101.178	-0.803	21059.3	NA	219.703	4.517	NA	-0.556	NA	-2.238	NA	-8.638	NA	NA	0.106
PCN 169	10	90	5.601	-143.646	NA	-2243.82	-71.386	-1.092	24343.7	NA	157.721	-0.638	NA	-2.351	NA	NA	NA	-10.912	NA	-10.612	-6.06
PCN 170	10	90	4.56	-84.561	-2.656	-1053.25	-113.099	-14.895	17176.5	NA	178.194	-1.711	NA	-2.108	NA	NA	NA	NA	NA	NA	-2.765
PCN 171	10	90	6.356	-97.275	NA	-2314.68	-57.202	-0.638	22676.8	NA	-74.301	-0.003	NA	1.396	NA	NA	NA	-9.541	NA	NA	-6.963
PCN 172	10	90	8.375	-122.943	NA	516.643	-82.837	11.783	12705.3	NA	238.147	0.163	NA	-1.924	NA	-6.985	NA	-32.108	NA	NA	-3.965
PCN 173	10	90	-1.886	-63.476	NA	188.525	-124.333	12.542	11174.8	NA	147.456	2.629	NA	2.463	NA	NA	NA	NA	NA	NA	-3.597
PCN 178	13	90	2.69154	-101.67	NA	-1140.01	-57.4046	-23.2923	5551.76	-1.16692	80.32	-6.24923	NA	4.12231	-3070.74	-2.73923	NA	-10.0954	NA	NA	-160.153
PCN 179	10	90	0.256	-228.043	NA	-2779.56	-11.496	12.197	4094.38	NA	54.478	-0.941	NA	7.59	NA	NA	NA	-9.591	NA	NA	-8.691
PCN 180	13	90	4.72769	-52.3577	NA	-2489.5	-112.645	-0.06154	18388.5	NA	53.8785	-5.01154	NA	0.00308	-1607.43	-4.21154	3.65308	-9.91308	NA	NA	-138.477
PCN 181	10	90	4.639	-20.324	NA	-74.526	-279.193	-17.89	22369.7	NA	78.436	-2.662	NA	4.579	NA	NA	3.387	NA	NA	NA	-14.419
PCN 182	11	90	-3.34909	-87.1509	NA	-1311.58	-299.229	-17.5964	13409	NA	-22.1045	-0.42636	NA	-3.31273	NA	NA	2.61364	NA	NA	NA	-22.1164
PCN 183	10	90	6.405	-66.395	NA	-57.421	-434.18	-6.325	14957	NA	34.617	-4.068	NA	3.741	NA	-2.553	3.049	-12.215	NA	NA	-20.483
PCN 184	13	90	10.3638	36.1177	NA	-1807.6	-164.306	-2.89231	35796.4	NA	15.4008	-8.50462	NA	3.80154	-1731.08	NA	5.44846	NA	NA	NA	-46.1908
PCN 185	12	90	0.17583	-34.715	NA	-1.9675	-344.202	-13.0067	12520.1	NA	39.0742	-5.18833	NA	13358.9	NA	NA	NA	NA	NA	NA	-28.5258
PCN 186	13	90	-5.34769	-115.063	NA	-2695.12	-295.562	-3.23231	1474.68	NA	5.09308	-3.01462	NA	7.13077	NA	-2.08923	NA	-16.1231	NA	NA	-12.6238
PCN 187	13	90	-5.61077	-59.7585	NA	-26.3285	-434.222	16.3192	11192.2	NA	57.16	-7.20231	NA	18.85	NA	NA	NA	-6.92846	NA	NA	4.35769
PCN 188	16	90	23.4975	-7.75625	NA	-1396.1	-275.231	-13.1394	29197.5	NA	-30.4663	-2.5475	NA	64.41	-313.623	NA	7.8175	-3.33188	NA	NA	-26.9081
PCN 189	14	90	33.61	42.7029	NA	-1657.82	-257.856	9.51214	40538.5	NA	35.165	-5.19429	NA	-0.45857	-2406.98	-5.95214	13.8321	-12.8671	NA	NA	-11.71
PCN 190	13	90	24.4077	32.8708	NA	-1086.39	-245.268	12.6208	27620.3	NA	63.0585	2.05692	NA	-0.11769	59.5408	NA	6.91077	-3.89	NA	NA	-6.42538
PCN 191	13	90	7.81308	5.85385	NA	-688.778	-412.562	-14.9677	21652.5	NA	21.5969	-0.99615	NA	-5.02231	-800.906	NA	5.81462	NA	NA	NA	-47.2177
PCN 192	15	90	11.098	-96.5987	NA	-521.699	-557.591	1.08467	36650	NA	35.5093	-5.34267	NA	-24.182	NA	NA	14.96	NA	NA	NA	-26.1633
PCN 193	13	90	30.7477	37.2123	NA	-842.16	-320.53	-15.6015	63016.1	NA	NA	-4.95923	NA	-0.49	-1203.25	NA	6.66077	NA	NA	NA	-10.9415
PCN 194	13	90	11.4369	3.49308	NA	-1054.25	-215.555	-18.7185	9630.51	NA	41.4138	-3.86615	NA	0.93385	NA	-4.62923	2.46385	-19.2623	NA	NA	-14.4023
PCN 195	13	90	23.1092	61.5585	18.1646	-2143.17	-176.132	-55.3062	37454.5	NA	-80.2992	0.91692	NA	-7.66231	NA	NA	11.8023	NA	NA	NA	-32.6985
PCN 196	13	90	40.2031	84.6969	NA	-1511.63	-264.56	-14.1285	33251.8	NA	-51.7538	-2.89462	NA	4.45308	NA	NA	NA	NA	NA	NA	-22.9023

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 197	14	90	9.46214	28.7693	NA	-771.117	-308.078	3.435	28387	NA	352.405	-5.515	NA	6.83714	-1181.63	-2.645	NA	-7.41	NA	NA	-0.18786
PCN 198	16	90	10.5006	-38.3831	0.49188	-2488.5	-115.058	-20.6669	14835.2	NA	65.74	-7.63375	NA	-6.2725	-695.487	-6.0925	3.23375	-30.5475	NA	NA	-17.395
PCN 199	13	90	-4.31769	-127.169	NA	-1700.33	-152.806	-3.48846	10952.3	NA	51.7154	-2.14769	NA	-15.9846	NA	-1.50846	3.54538	-14.0085	-1.27538	NA	-7.55615
PCN 200	13	90	-6.16538	-64.0385	NA	-1222.94	-314.425	-27.8923	5116.44	NA	38.2492	0.77692	NA	-7.73154	NA	-2.37769	NA	-8.97692	-1.39923	NA	-4.73
PCN 201	13	90	-1.28308	39.9623	-1.26231	-3233.65	-167.127	-7.14077	-1714.33	NA	-97.1477	-3.24769	NA	-11.7385	-1340.46	NA	2.75	NA	NA	NA	-17.5485
PCN 202	10	90	50.917	100.18	NA	-1561.12	-190.035	1.736	42949.6	NA	NA	-8.192	NA	5.187	-660.573	NA	7.804	NA	NA	NA	-162.608
PCN 203	13	90	39.5154	-35.4569	NA	-1260.28	-502.671	-37.8315	17723.6	NA	-33.2023	1.27231	NA	-20.1	-125.021	-2.57154	6.50538	-11.0608	NA	NA	-24.8977
PCN 204	13	90	40.0315	-115.346	NA	-2191.93	-295.764	-11.8877	34885.6	NA	-149.612	-1.32154	NA	-11.0923	10374.8	-2.54846	14.7154	-20.6669	NA	NA	-25.7285
PCN 205	13	90	29.3485	-125.749	NA	-1767.53	-276.415	17.2392	33620.8	NA	-39.3323	-3.29846	NA	1.29462	1129.28	NA	6.60923	-4.63462	NA	NA	-13.9446
PCN 206	13	90	28.62	-171.063	NA	-1459.37	-192.967	7.63923	39642.5	NA	-5.9	-0.73615	NA	-7.03615	-2248.47	-2.02462	9.71385	-6.81077	NA	NA	-10.8108
PCN 207	13	90	12.1446	-105.581	NA	-545.068	-263.808	0.65538	28682.4	NA	178.288	-3.09077	NA	-1.33615	NA	NA	5.87308	NA	NA	NA	-17.0631
PCN 208	13	90	6.14615	-75.4877	NA	-1205.17	-123.355	-8.13538	23907.9	NA	18.23	-3.55692	NA	-6.26615	NA	NA	NA	NA	NA	NA	-11.0408
PCN 209	13	90	0.63769	-83.2669	NA	-1579.92	-257.528	-6.78231	16064.5	NA	232.455	-3.30615	NA	-1.45308	NA	-2.22231	NA	-7.77538	NA	NA	-2.13846
PCN 210	13	90	-0.06231	-56.1946	-3.70538	-1064.38	-89.5246	-14.7154	23221.5	NA	232.679	-4.05154	NA	0.96538	-269.492	-2.22077	2.48385	-7.12385	NA	NA	-8.78154
PCN 211	13	90	-2.01077	-51.9108	NA	-2055.23	-61.7677	-2.28154	16256.9	NA	606.149	-4.34538	NA	2.25385	NA	NA	1.56	NA	NA	NA	4.07923
PCN 212	13	90	-0.57846	-132.902	NA	-146.711	-84.5585	3.03538	19170	NA	570.85	-5.46769	NA	1.85615	NA	NA	1.61462	NA	NA	NA	1.05769
PCN 223	10	90	20.119	-35.046	NA	-2702.43	-360.659	-43.519	34496.2	NA	13.781	-4.121	NA	4.263	NA	NA	3.785	NA	NA	NA	-20.147
PCN 224	10	90	8.307	-91.391	NA	-1374.36	-426.167	-28.131	34101.3	NA	-201.32	1.659	NA	0.751	NA	-2.417	3.599	NA	NA	NA	-25.016
PCN 225	10	90	1.731	-111.662	NA	-830.857	-385.628	-9.699	22225.9	NA	12.459	1.631	NA	8.378	NA	NA	NA	NA	NA	NA	-6.86
PCN 226	13	90	53.15	2.38769	NA	-1300.57	-254.981	-12.0315	37192.3	NA	36.5423	-8.91769	NA	-1.84846	-208.618	NA	10.07	-6.17462	NA	NA	-27.8062
PCN 227	13	90	37.9815	-237.868	NA	-1323.63	-392.832	2.78923	45376.2	NA	NA	-5.52846	NA	4.44462	6231.3	-3.16846	11.3015	-6.45615	NA	NA	-58.0169
PCN 228	10	90	64.696	-64.245	NA	-604.364	-350.26	-14.797	42129.2	NA	NA	0.759	NA	NA	-879.139	NA	12.084	NA	NA	NA	-9.913
PCN 229	13	90	35.02	10.6	NA	-1365.55	-248.524	7.45231	42250.1	NA	34.2469	-7.61385	NA	-0.89308	-2559.09	-4.80231	8.93615	-15.0546	NA	NA	-21.8077
PCN 230	10	90	77.623	-40.568	NA	-2023.09	-387.344	-6.081	44661.2	NA	-183.635	0.704	NA	-3.17	-1316.46	-3.142	12.489	-0.182	NA	NA	-16.092
PCN 231	15	90	36.018	116.896	NA	-985.717	-193.593	-21.8367	25051.1	NA	-407.292	-5.80467	NA	1.44533	NA	-0.42067	5.38333	NA	NA	NA	-31.23
PCN 232	17	90	33.7641	22.2518	NA	-1039.67	-185.816	-15.2041	30569.9	NA	-473.722	-7.07882	NA	-5.98882	NA	1.62647	6.36412	-6.00176	-0.84059	NA	-34.0776
PCN 233	13	90	16.4069	38.5831	NA	-1058.43	-283.293	-32.4269	11678.2	NA	-440.023	-5.29462	NA	-9.01308	NA	NA	NA	NA	NA	NA	-19.1385
PCN 234	13	90	47.56	-33.3777	NA	-586.766	-288.571	-39.3738	17124.8	NA	-298.546	-3.11538	NA	-2.55231	NA	NA	5.16308	NA	NA	NA	-39.4808
PCN 235	13	90	-1.19846	-219.617	NA	-78.26	-356.401	-41.9477	9055.72	NA	-285.076	-1.71308	NA	-2.84231	NA	-1.06154	3.36077	-7.60462	NA	NA	-19.2838
PCN 236	13	90	8.67077	-171.522	NA	-177.117	-174.982	-38.4738	16019.1	NA	2.02308	-4.45692	NA	1.88846	NA	-10.4431	3.40231	-37.1346	NA	NA	-10.8546
PCN 237	12	90	29.4425	30.9575	NA	-1638.68	-426.258	-24.1933	30096.2	NA	45.4967	-6.58	NA	4.52917	-366.166	-4.21917	6.2075	-12.7642	NA	NA	-128.382
PCN 238	14	90	24.8814	76.4836	NA	-452.422	-157.501	-34.5986	39639.4	NA	NA	-5.75786	NA	8.36857	NA	NA	NA	NA	NA	NA	-8.34214
PCN 239	12	90	27.625	139.448	5.04917	-1716.91	-99.9692	-12.4883	39546.8	NA	67.8642	-5.59167	NA	12.2433	-276.33	-3.06917	NA	-8.78917	-0.89167	NA	-42.3533
PCN 282	3	90	9.07	-126.593	NA	-1731.94	NA	-6.8	16640.4	NA	NA	-2.14	NA	-12.9267	NA	NA	NA	NA	NA	NA	-30.4733
PCN 284	3	90	3.81667	-146.207	NA	-478.833	-1945.94	-3.56667	-33415.9	NA	NA	NA	NA	-13.81	NA	NA	NA	NA	NA	NA	NA
PCN 287	3	90	21.0867	-281.967	NA	-1353.45	-541.25	23.6733	-54992.3	NA	48.6333	NA	NA	0.79333	NA	-73.9033	NA	-198.1	NA	NA	-21.41
PCN 289	1	90	17.32	4.52	NA	-449.67	-284.3	-37.52	6220.3	NA	-79.12	NA	NA	-10.82	NA	NA	NA	NA	NA	NA	-9.4
PCN 290	3	90	26.4967	-328.4	NA	-1700.31	-348.997	-0.99	18905.6	NA	36.2633	-5.59	NA	-30.03	9819.91	NA	6.36667	NA	NA	NA	-2.7
PCN 292	3	90	16.0567	NA	NA	15360.2	-229.627	10.7467	32232.3	NA	179.977	NA	NA	5.68	NA	NA	NA	NA	NA	NA	2.98667
PCN 328	3	90	41.1433	26.7467	NA	-1780.69	-372.733	-4.30333	23273.8	NA	-39.69	1.87333	NA	7.62667	-2403.54	NA	NA	NA	NA	NA	-17.6067
PCN 330	3	90	-15.37	24.96	NA	-918.01	-269.627	-12.6433	21691.1	NA	-72.5833	-6.23	NA	-10.1933	NA	NA	NA	NA	NA	NA	-11.46
PCN 331	3	90	86.1933	-96.63	NA	-20.9933	-69.34	5.99	25870.2	NA	40.0867	-0.67667	NA	11.0033	NA	-10.78	5.50333	-42.2033	NA	NA	-19.6467
PCN 332	3	90	19.6	-41.2233	NA	-1386.56	-198.367	NA	25389.2	NA	40.37	0.37333	NA	3.13667	NA	-8.39	NA	-34.8333	NA	NA	-8.63333

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 333	3	90	14.7133	-59.7367	NA	-1229.24	-524.653	-3.91333	11774.1	NA	-107.453	NA	NA	1.97333	NA	-13.2633	NA	-32.3933	NA	NA	-7.38667
PCN 334	3	90	39.1133	NA	NA	-3729.62	-105.017	23.5	25853.5	NA	-476.453	-6.80667	NA	NA	NA	NA	NA	NA	NA	NA	-29.4767
PCN 335	3	90	-5.92	-106.09	NA	-3154.28	-102.79	-28.9433	-224.473	NA	-170.61	NA	NA	5.63333	NA	NA	NA	NA	NA	NA	-18.2267
PCN 336	3	90	-1.58	126.31	NA	-1962.53	-398.68	13.9	12577.4	NA	-57.2233	-2.96	NA	NA	NA	NA	NA	NA	NA	NA	-17.4967
PCN 338	3	90	6.87333	52.9267	NA	-163.157	-305.53	38.56	17880.4	NA	-16.46	-2.64667	NA	5.31333	NA	NA	1.72333	NA	NA	NA	-10.2
PCN 339	3	90	3.62333	-77.36	NA	-229.24	NA	3.56667	17150	NA	-0.58333	NA	NA	6.67333	NA	NA	NA	NA	NA	NA	-13.19
PCN 342	3	90	20.68	64.4533	NA	251.227	-126.197	35.9733	30243.4	NA	-63.8067	NA	NA	-3.57667	NA	NA	NA	-29.6033	NA	NA	18.54
PCN 345	3	90	8.55333	-160.6	NA	-133.297	NA	-0.28	18882	NA	269.777	NA	NA	-1.91667	NA	NA	NA	-27.1167	NA	NA	-13.5767
PCN 349	3	90	-0.74667	-169.887	NA	-172.033	-289.633	-2.3	11437.8	NA	210.007	NA	NA	5.24667	NA	-25.21	NA	-84.36	NA	NA	-11.13
PCN 350	3	90	1.41333	-58.14	NA	399.3	-62.17	22.5233	10154.4	NA	568.753	NA	NA	-1.16	NA	-12.6	NA	-51.39	NA	NA	-4.16333
PCN 351	3	90	8.18	-8.45	NA	142.657	-311.163	-3.91333	26176.4	NA	626.597	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.36333
PCN 352	3	90	3.42667	-103.183	NA	257.657	-109.28	38.1433	16231.2	NA	201.217	-2.22333	NA	-5.86	NA	-14.42	NA	-102.857	NA	NA	3.95333
PCN 471	7	90	4.13	-102.44	NA	-727.94	-246.864	3.30714	28556.3	NA	171.136	-4.59571	NA	2.75857	NA	NA	NA	-29.34	NA	NA	2.68571
PCN 472	7	90	1.07143	-75.2857	NA	-2389.24	-151.406	-21.0857	30853.2	NA	101.413	-4.82571	NA	-4.67857	NA	NA	NA	NA	NA	NA	-18.9786
PCN 473	7	90	3.88286	-127.981	NA	-2252	-236.529	-28.3371	21305.3	NA	-51.1471	-1.59	NA	1.00714	NA	NA	4.42	-21.94	NA	NA	-22.5529
PCN 474	7	90	10.03	-129.827	NA	-1015.54	-527.084	-18.61	28047.1	NA	-42.3057	-3.08143	NA	3.21143	NA	NA	2.69857	NA	NA	NA	-16.7343
PCN 475	7	90	6.52571	-148.579	NA	-2364.86	-96.2957	7.45	21611.6	NA	-7.32714	-0.30714	NA	-6.60429	NA	NA	6.33429	-12.3071	NA	NA	-25.8171
PCN 476	7	90	-5.30429	-31.8186	-10.5757	-2134.52	-159.694	-24.7843	-1817.96	NA	-41.3457	-5.19429	NA	-13.4029	NA	NA	2.09857	NA	NA	NA	-23.24
PCN 477	7	90	6.00571	-175.134	NA	-2253.54	-251.754	-37.5486	25624.2	NA	-85.44	-7.48857	NA	3.48714	NA	NA	5.35143	-11.2586	NA	NA	-28.6671
PCN 478	7	90	3.96286	-166.877	NA	-934.686	-496.82	-26.8886	19510.9	NA	14.0143	-3.65571	NA	-3.06714	-1544.35	-4.38571	3.89571	NA	NA	NA	-3.27143
PCN 479	7	90	31.74	-37.6957	NA	-1609.24	-238.06	-49.8643	27854.7	NA	-57.6957	0.29571	NA	-3.42143	NA	NA	5.10143	NA	NA	NA	-23.79
PCN 480	7	90	43.0629	-41.7914	-4.00143	-1899.54	-38.5114	-62.1886	5555.79	NA	-131.959	-6.19286	NA	-29.7071	-2399.11	NA	9.12857	NA	NA	NA	-31.7371
PCN 481	7	90	20.8057	75.5629	-5.50429	-1494.05	-289.144	-66.42	13453.3	NA	-243.749	-6.42286	NA	-4.31	NA	NA	NA	NA	NA	NA	-21.3971
PCN 482	7	90	53.4943	115.547	NA	-3959.53	-471.547	-69.5771	38607.4	NA	-288.95	1.03857	NA	5.03286	NA	NA	10.6743	NA	NA	NA	-30.1714
PCN 483	7	90	28.5829	25.8314	NA	-604.344	-349.856	-40.0957	12940.7	NA	34.1729	-3.77714	NA	2.16143	NA	NA	2.73714	NA	NA	NA	-16.4814
PCN 484	7	90	6.67714	-58.4	NA	-711.556	-544.599	-47.2957	20515	NA	NA	0.92286	NA	0.20286	NA	-2.65286	1.20429	NA	NA	NA	1.92
PCN 485	7	90	23.6643	-31.26	NA	-191.654	-369.763	-23.5186	26823.9	NA	NA	0.51	NA	5.81571	-318.74	NA	7.11143	-14.6557	NA	NA	2.03714
PCN 486	7	90	24.9843	-58.0686	NA	-588.597	-481.704	-34.4343	35153.1	NA	60.0571	-1.71714	NA	5.75	NA	NA	6.1	NA	NA	NA	1.49714
PCN 487	7	90	17.9471	-10.7429	NA	-1510.03	-293.63	-37.6886	24829.6	NA	NA	0.90143	NA	0.37143	NA	NA	2.81857	NA	NA	NA	-16.1929
PCN 488	8	90	32.3213	-6.17625	NA	-863.209	-335.106	-45.4963	36820.1	NA	5.49125	-2.09875	NA	1.39875	NA	NA	5.7975	NA	NA	NA	-17.4113
PCN 489	7	90	5.97571	-38.7614	-6.41571	-517.997	-350.581	-51.2986	20941.4	NA	55.2271	1.46571	NA	-3.79857	NA	NA	0.73143	NA	NA	NA	-20.0757
PCN 490	7	90	8.24714	-27.2029	NA	-571.587	-210.881	-46.77	6189.53	NA	-34.8471	3.01857	NA	4.07286	NA	NA	NA	NA	NA	NA	-22.8257
PCN 491	7	90	-5.1	-46.6457	-51.27	-573.233	-279.324	-45.5957	79.0771	NA	-76.1014	-0.77571	NA	-23.2771	NA	NA	4.03429	-11.96	NA	NA	-29.5357
PCN 492	7	90	28.6643	8.13857	-102.614	-1256.06	-27.9471	-61.51	10235.8	NA	-24.4557	15.7114	NA	-9.52857	NA	NA	NA	NA	NA	NA	-24.4414
PCN 493	7	90	12.1957	NA	-78.8029	-2776.32	-119.549	-68.1571	7209.59	NA	9.42	-7.44143	NA	-1.36429	NA	NA	4.19857	NA	-1.88143	NA	-17.0571
PCN 494	7	90	37.2086	-2.81143	-0.60571	-1342.59	-301.339	-34.3343	7052.13	NA	19.4286	-0.25429	NA	-2.93857	NA	NA	6.35	NA	NA	NA	-15.8429
PCN 495	7	90	12.3614	-95.1529	NA	-1191.83	-345.946	-18.15	20181.1	NA	NA	-1.37	NA	-21.1029	NA	NA	6.22	NA	NA	NA	-15.7543
PCN 496	7	90	27.0143	-214.676	NA	-351.579	-357.966	-11.4729	38004.5	NA	36.4886	4.00714	NA	-21.2129	NA	-16.1557	3.47143	-49.3043	NA	NA	-16.9814
PCN 497	7	90	24.56	-279.161	NA	-1109.76	-84.1171	-37.9971	2470.7	NA	-78.2957	-3.30286	NA	-39.4657	-15032.8	-8.61143	10.6514	-13.0414	NA	NA	-42.1457
PCN 498	7	90	11.7086	-233.23	NA	-1716.91	-101.78	-23.5771	14117	NA	-28.8829	-1.63714	NA	-26.8743	-33716	-4.43429	11.5757	-13.08	NA	NA	-24.1929
PCN 499	7	90	0.26571	-173.596	NA	-2770.3	-309.244	-4.89143	14559.6	NA	-117.374	-4.59714	NA	-1.15571	-4181.4	NA	10.2229	NA	NA	NA	-25.6543
PCN 500	7	90	-15.8886	-359.817	NA	-1546.24	-454.624	-22.0014	6461.77	NA	-158.757	NA	NA	-2.68429	5704.89	-10.3443	2.62143	-41.02	NA	NA	-25.9629
PCN 501	7	90	-6.08	-138.787	NA	-889.649	-103.693	3.33714	13729.6	NA	-26.4386	0.15143	NA	-1.6	NA	NA	4.04286	-11.38	NA	NA	-7.56286

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 519	7	90	6.10143	-221.827	NA	-1727.88	-57.2671	3.11286	10496	NA	123.037	0.00714	NA	4.00571	NA	NA	NA	NA	NA	NA	-6.05143
PCN 520	7	90	1.94	-37.5729	NA	-227.009	-39.21	-17.3143	10081.5	NA	197.963	-3.87857	NA	4.41	NA	NA	NA	NA	NA	NA	-5.18857
PCN 521	7	90	16.13	-44.45	NA	-2760.29	-144.119	-19.2571	36466.1	NA	-92.7443	-2.28857	NA	4.65714	NA	NA	NA	NA	NA	NA	-22.0429
PCN 522	7	90	5.71	-64.47	NA	-1682.12	-268.709	-37.3771	36694.2	NA	-15.08	-2.62143	NA	6.66286	NA	NA	NA	NA	NA	NA	-8.08286
PCN 523	7	90	4.36286	-53.4043	NA	-1533.96	-352.49	-19.9771	12028.3	NA	38.0929	0.38857	NA	-2.54286	-1876.33	NA	NA	NA	NA	NA	-10.55
PCN 524	7	90	1.56286	-161.753	NA	-1347.88	-121.573	-23.5614	19059.8	NA	21.4257	0.12571	NA	1.77286	-3474.35	-4.55857	NA	-16.2057	NA	NA	-6.79429
PCN 525	7	90	26.8514	-67.4686	NA	-1623.24	-232.4	-49.0671	30460.6	NA	-108.816	-1.13714	NA	5.86714	NA	NA	NA	NA	NA	NA	-20.74
PCN 526	7	90	22.0186	-214.653	NA	-126.643	-328.936	-21.2743	21168.5	NA	47.6457	-0.5	NA	0.55571	7473.74	NA	5.76571	-13.6243	NA	NA	-18.9557
PCN 527	7	90	57.61	-93.12	NA	-848.267	-405.011	-25.3843	41963.2	NA	-0.01571	NA	NA	-5.40857	-4180.67	NA	8.54571	NA	NA	NA	-10.0829
PCN 528	7	90	27.6557	-99.1414	NA	-1138.05	-170.783	-24.2714	28133.7	NA	NA	-1.52286	NA	-3.26143	NA	NA	7.30571	-24.7929	NA	NA	-9.16
PCN 529	7	90	14.5014	-46.4586	NA	-569.336	-362.166	-47.4457	19150.6	NA	42.2186	-5.75	NA	-4.76143	NA	NA	5.46857	NA	NA	NA	-29.4814
PCN 530	7	90	15.1743	-104.313	NA	-1402.46	-638.344	-65.27	18862.4	NA	40.1114	-4.63143	NA	6.62286	NA	-1.77143	NA	-13.5386	NA	NA	-34.2686
PCN 531	7	90	6.33714	-0.1	NA	-1045.43	-334.839	-46.3443	20504.8	NA	-48.3214	1.70143	NA	-0.73857	NA	NA	NA	NA	NA	NA	-14.6414
PCN 532	7	90	0.59429	-92.34	NA	-813.526	-537.383	-58.4729	7813.65	NA	4.45571	-5.32429	NA	2.08143	NA	NA	NA	NA	NA	NA	-21.9414
PCN 533	7	90	-3.20429	-157.239	NA	-241.843	-388.001	-45.3886	2207.55	NA	-81.0657	-2.22571	NA	-5.07571	NA	-2.39571	1.91571	-13.3314	NA	NA	-35.1857
PCN 534	7	90	59.9843	41.3871	NA	-1251.09	-331.167	-40.6257	41361.5	NA	-48.2986	-1.71286	NA	-0.56286	-2639.09	NA	8.89857	NA	NA	NA	-19.5114
PCN 535	7	90	79.2043	35.7943	NA	-1379.4	-324.496	-25.4343	48137.8	NA	NA	-0.36571	NA	-0.09143	NA	NA	6.16714	NA	NA	NA	-13.27
PCN 536	7	90	11.3243	-136.867	NA	-828.064	-131.651	-31.0371	20620.5	NA	4.05857	-1.05286	NA	3.28429	-1306.14	NA	4.41429	NA	NA	NA	-17.87
PCN 537	7	90	5.68857	-130.684	NA	-927.29	-111.199	-30.2386	15353.9	NA	26.24	-1.20429	NA	3.87429	-13817.8	NA	2.77857	NA	NA	NA	-3.04571
PCN 538	7	90	-5.75286	-191.351	NA	-1791.4	-45.5143	-17.5557	4463.53	NA	-52.25	-0.78143	NA	5.11286	-4220.71	-8.97429	NA	-15.26	NA	NA	-7.31857
PCN 539	7	90	-2.05571	-136.009	NA	-316.036	-316.816	-14.5243	14371.7	NA	14.45	0.05429	NA	-2.40571	NA	NA	4.77571	-15.36	NA	NA	-0.40429
PCN 540	7	90	-6.01714	-196.887	NA	50.9586	-170.137	-17.57	13064.6	NA	2.64286	-1.12714	NA	1.87571	NA	NA	5.64857	NA	NA	NA	-35.43
PCN 541	7	90	-4.90286	-89.1329	NA	-943.873	-45.7114	-10.6857	8728.95	NA	-80.4786	0.25	NA	0.70286	NA	NA	NA	-17.1086	NA	NA	-29.4743
PCN 566	7	90	-7.94143	-163.279	NA	1995.85	-58.97	-0.98429	7200.65	NA	171.184	-0.28714	NA	8.54	NA	-4.62	NA	-14.46	NA	NA	-3.38857
PCN 567	7	90	4.98286	-196.371	NA	-249.799	-323.201	-8.97	18768.5	NA	84.1314	NA	NA	2.57571	NA	-6.47571	3.95429	-38.4386	NA	NA	-5.13429
PCN 568	7	90	-2.10857	-123.921	NA	-1406.22	-258.167	-47.7757	17913.6	NA	30.0629	-0.90857	NA	0.40143	NA	NA	NA	NA	NA	NA	-12.6243
PCN 569	7	90	2.20143	-66.4843	NA	-2153.9	-253.576	-30.64	24387.3	NA	-344.931	-3.23143	NA	-0.28143	NA	NA	NA	NA	NA	NA	-19.61
PCN 570	7	90	-3.87286	-113.396	NA	-2367.24	-527.016	-9.99	13535.5	NA	-368.32	0.26286	NA	-7.63143	NA	NA	1.45286	NA	NA	NA	-14.6071
PCN 571	7	90	23.5171	-136.517	NA	-326.261	-411.354	-1.38857	21946.9	NA	-51.9614	0.37714	NA	-2.70857	NA	NA	5.11857	-7.94429	NA	NA	-8.51143
PCN 572	7	90	2.96714	-125.544	NA	-983.449	-439.621	12.4171	10374.1	NA	NA	-0.03714	NA	1.05429	NA	NA	4.77	NA	NA	NA	2.57714
PCN 573	7	90	-7.86857	-135.121	NA	-690.171	-469.864	-16.9643	8851.02	NA	8.93143	-1.98286	NA	3.63857	-4563.96	NA	1.19857	NA	NA	NA	3.48143
PCN 574	7	90	-12.1371	-178.71	NA	108.459	-217.579	-13.2171	17437.2	NA	59.3143	NA	NA	6.43571	NA	NA	-0.23857	NA	NA	NA	0.59571
PCN 575	7	90	-8.82286	-83.34	NA	45.2871	-222.793	-0.07714	13230.9	NA	45.3743	-1.74	NA	0.34857	-1413.4	NA	2.75571	NA	NA	NA	-6.20714
PCN 576	7	90	-12.58	-94.1557	NA	-497.593	-123.244	-3.75857	14779.8	NA	40.0243	-2.13857	NA	9.88429	NA	NA	-0.56286	NA	NA	NA	-6.47714
PCN 577	7	90	3.98286	-92.8714	NA	1422.91	-264.62	-4.15571	20825.2	NA	20.9686	-1.93857	NA	2.54714	-3653.86	NA	NA	NA	NA	NA	-1.85571
PCN 578	7	90	-2.35	-85.03	NA	487.62	-189.411	-13.4771	21102.8	NA	20.4043	-4.44143	NA	NA	NA	NA	3.26143	NA	NA	NA	-7.87286
PCN 579	7	90	5.68571	-134.076	NA	1194.98	-240.577	-12.4129	32895.5	NA	-59.36	-1.02	NA	NA	9623.77	NA	4.09286	-6.91857	NA	NA	-6.66714
PCN 580	7	90	1.66286	-74.4329	NA	99.6529	-213.661	-5.86714	15923.6	NA	-10.2771	0.03286	NA	2.57857	-7762.73	NA	NA	NA	NA	NA	-11.3229
PCN 581	7	90	13.6029	-62.5286	NA	-270.07	-492.23	-36.5386	17955.5	NA	33.8414	NA	NA	-2.17714	NA	NA	NA	NA	NA	NA	-12.8971
PCN 582	7	90	17.4371	-82.8271	NA	-811.079	-325.926	-31.1014	37554.3	NA	19.0857	-1.37857	NA	-5.70571	NA	NA	NA	NA	NA	NA	-13.7371
PCN 583	7	90	24.2157	-83.5357	NA	-326.806	-257.657	-31.4214	22329.3	NA	-46.3443	NA	NA	-5.78857	NA	NA	NA	-9.45	NA	NA	-14.2343
PCN 584	7	90	17.5557	-31.3857	NA	-1397.42	-117.12	-25.2629	19503.6	NA	-36.1543	0.48	NA	3.70143	-6547.19	NA	NA	NA	NA	NA	-13.0643
PCN 585	7	90	11.07	-24.8771	NA	-1794.89	-389.601	-33.2357	13207.6	NA	-35.1729	-5.52	NA	2.91571	-4357.48	NA	NA	NA	NA	NA	-21.11

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 586	7	90	5.50857	-144.179	NA	-708.254	-409.484	-31.7371	14767	NA	-26.9943	NA	NA	-0.42	NA	NA	NA	-20.3957	NA	NA	-17.2514
PCN 587	7	90	13.2586	-119.217	NA	-773.873	-332.546	-34.5629	16742.2	NA	-173.727	NA	NA	1.97143	NA	-5.6	NA	-15.3143	NA	NA	-23.6014
PCN 588	7	90	4.33143	28.9071	NA	-526.427	-134.383	-48.7843	11343	NA	-50.33	-5.06714	NA	6.94429	-1858.19	NA	NA	NA	NA	NA	-25.3257
PCN 589	7	90	9.25857	-138.431	NA	-5099.86	-330.596	-35.98	13124.9	NA	-120.25	NA	NA	2.24857	-1000.8	NA	NA	NA	NA	NA	-21.0986
PCN 590	7	90	17.7386	-99.5071	NA	-798.98	-129.759	-48.9071	21612	NA	-91.1514	0.74857	NA	-2.80143	291.3	-2.88143	NA	-10.7514	NA	NA	-18.5771
PCN 591	7	90	6.80571	8.66429	NA	-30.7771	-228.631	-14.5486	16969.6	NA	107.804	-1.15571	NA	-1.00857	NA	NA	NA	NA	NA	NA	1.87571
PCN 604	7	90	5.53143	-185.201	NA	820.673	-373.754	-12.7486	12206.7	NA	90.7914	1.05714	NA	0.12286	NA	-4.84571	1.78143	-28.2971	NA	NA	-5.12429
PCN 605	7	90	15.5657	-156.204	NA	840.304	-280.9	3.66429	18078.1	NA	87.5171	0.62	NA	2.75857	NA	NA	3.84429	NA	NA	NA	-8.14714
PCN 606	7	90	6.18714	-117.301	NA	-944.231	-265.727	-11.2229	14328.4	NA	38.0814	0.76429	NA	10.7643	NA	NA	3.01857	NA	NA	NA	-5.17143
PCN 607	5	90	4.728	-129.602	NA	2330.76	-191.218	-14.502	16599.2	NA	86.292	-2.408	NA	5.78	NA	NA	4.402	NA	NA	NA	-9.922
PCN 608	7	90	14.3271	-71.0543	NA	-348.064	-138.179	-15.2	27375	-2.14	20.8514	-1.89857	NA	5.21714	NA	NA	NA	NA	NA	NA	-15.5929
PCN 609	7	90	4.38571	-99.5657	NA	371.134	-70.7086	-12.25	21048.8	NA	303.851	-3.86571	NA	1.87571	NA	NA	NA	NA	NA	NA	-1.83
PCN 610	7	90	3.71143	-88.6857	NA	583.153	-24.2171	-18.7843	11492	NA	215.109	-1.39714	NA	-1.16429	-2919.43	NA	NA	NA	NA	NA	-8.76429
PCN 611	7	90	0.82143	-102.707	NA	566.197	-50.4943	1.52429	5308.73	NA	507.884	0.41429	NA	2.93	NA	NA	NA	NA	NA	NA	-7.91714
PCN 612	7	90	5.99571	-192.823	NA	223.72	-18.7314	8.03571	10605.9	NA	195.5	-0.78429	-6.81286	0.42429	NA	-5.62286	NA	-26.8957	NA	NA	-4.67571
PCN 613	7	90	0.75286	-126.481	NA	1890.11	-58.5614	-7.18429	7683.84	NA	249.811	-1.68286	NA	-0.71286	NA	NA	NA	NA	NA	NA	-10.5243
PCN 614	7	90	NA	-133.934	NA	-316.05	NA	-24.3371	12035.5	NA	367.503	-5.59714	NA	-6.46286	NA	NA	NA	NA	NA	NA	-15.7814
PCN 615	7	90	3.98	-225.884	NA	-1137.23	-53.8771	-10.6786	6713.72	NA	-33.86	-1.42857	NA	0.21	NA	NA	NA	NA	NA	NA	-18.2229
PCN 616	7	90	0.38143	-208.794	NA	1369.67	-83.1929	2.20714	11977.6	NA	131.944	-2.83714	NA	-0.87857	NA	NA	NA	NA	NA	NA	-11.1729
PCN 617	7	90	0.93714	-111.15	NA	273.776	-431.459	-33.1043	23200.2	NA	86.1386	-4.24143	NA	2.53857	-2951.53	NA	NA	NA	NA	NA	-0.23571
PCN 618	7	90	18.5814	-75.2843	NA	-803.064	-602.34	-23.9043	36609.5	NA	10.65	-6.45429	NA	-3.48714	-12300	NA	7.65857	NA	NA	NA	-8.14143
PCN 619	7	90	7.84	-129.129	-6.30571	-985.05	-450.917	-24.6614	-9.66714	NA	-191.021	-5.40286	NA	-20.7986	NA	NA	6.49714	NA	NA	NA	-11.2257
PCN 620	7	90	-1.67429	-192.301	NA	-912.346	-236.004	-1.31286	4144.37	NA	-119.784	0.34857	NA	-7.35286	-1895.54	-6.21	5.40286	-23.8043	NA	NA	-9.74429
PCN 621	7	90	38.9629	-115.956	NA	-1531.78	-282.439	-33.0114	16063	NA	-227.207	4.11143	NA	-5.53857	-1671.76	NA	8.85143	NA	NA	NA	-20.9343
PCN 622	7	90	11.4343	-132.817	NA	-2333.49	-374.834	-33.1471	13090.4	NA	-174.493	NA	NA	-11.4129	-1904.62	NA	5.14714	NA	NA	NA	-14.6371
PCN 623	7	90	2.65429	-116.2	NA	-1617.05	-235.059	-29.5686	3847.44	NA	-200.707	4.11571	NA	-9.26286	-1721.32	NA	5.67286	-8.48571	NA	NA	-18.48
PCN 624	7	90	18.1143	-108.944	NA	-2453.3	-399.527	-20.4629	17669.8	NA	-156.987	0.43714	NA	-9.33286	-1750.6	NA	7.42286	NA	NA	NA	-8.32857
PCN 625	7	90	17.38	-85.3871	-4.43143	-1418.39	-182.847	-19.4414	15049.6	NA	-223.663	2.48143	NA	-6.23714	NA	NA	5.26429	NA	NA	NA	-14.58
PCN 626	7	90	2.33571	-168.531	-1.61	-3686.09	NA	-15.3029	5484.94	NA	-712.646	0.83857	-7.71429	-17.39	-6280.13	NA	3.46429	NA	NA	NA	-18.5414
PCN 627	7	90	4.71286	-163.447	-7.10571	-4922.88	-120.58	-4.37429	11928.7	NA	-548.191	2.63286	NA	-1.69143	NA	NA	6.62857	NA	NA	NA	-12.3343
PCN 628	7	90	-7.46429	-195.67	-28.7986	-5444.39	-41.7571	7.51714	976.794	NA	-308.464	1.43429	NA	-10.76	183.16	-5.8	1.63857	-14.9214	NA	NA	-21.83
PCN 629	7	90	20.47	-107.684	NA	-1967.23	-191.587	-39.8771	11167.2	NA	-407.973	0.77	NA	-5.89714	NA	NA	4.57571	NA	NA	NA	-19.1629
PCN 630	7	90	3.07857	-134.414	NA	-1471.43	-306.081	-74.8357	8421	NA	-121.57	-4.36286	NA	-1.46429	-5005.86	NA	4.42714	-11.44	NA	NA	-24.0629
PCN 631	7	90	4.38714	-139.239	NA	-174.841	-447.366	-22.9414	15545	NA	-63.9486	-1.68714	NA	0.78714	-1453.22	NA	4.57143	NA	NA	NA	-19.2657
PCN 632	7	90	-6.10286	-129.224	NA	4897.57	-319.499	-25.3471	11541.1	NA	70.4029	-0.40429	NA	6.52857	NA	NA	NA	-28.5229	NA	NA	6.69429
PCN 633	7	90	-4.54857	-255.913	NA	2747.16	-369.76	-8.10143	15704.2	NA	35.6486	-1.66143	NA	11.6414	6559.48	NA	4.23286	NA	NA	NA	3.37857
PCN 634	7	90	2.26	-221.119	NA	181.16	-229.806	-9.51857	13694.3	NA	-56.81	NA	NA	4.04143	NA	-4.41286	NA	-48.8357	NA	NA	-15.9457
PCN 635	7	90	4.18571	-133.364	NA	-2079.1	-183.551	-48.16	7348.94	NA	-166.149	-1.82429	NA	-2.9	-7459.21	NA	2.84429	NA	NA	NA	-23.8529
PCN 636	7	90	-8.59857	-163.924	NA	1949.53	-440.567	-2.36429	13042.6	NA	19.4471	-1.90857	NA	3.79	NA	NA	NA	NA	NA	NA	7.54571
PCN 637	7	90	-47.4386	-159.319	NA	1151.14	-349.277	-22.9171	-4196.76	NA	35.3371	NA	NA	NA	NA	NA	-8.69714	NA	NA	NA	-0.84143
PCN 638	7	90	-0.5	-142.826	NA	699.443	-350.104	-3.38571	7448.4	NA	73.98	-2.03857	NA	-6.96143	NA	NA	NA	NA	NA	NA	-1.06571
PCN 639	7	90	15.3157	NA	NA	-5460.15	-87.29	-24.3843	12643.2	NA	-184.246	-2.54714	NA	-1.59143	-2121.53	NA	NA	NA	NA	NA	-29.1729
PCN 640	7	90	3.81571	63.5743	NA	-4580.12	-14.9357	-29.1671	4443.37	NA	-350.913	-2.38286	NA	-4.17286	-1357.64	NA	1.44857	-10.2857	NA	NA	-34.7657

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 641	7	90	34.93	55.5186	NA	-520.249	-121.069	8.58714	20740.8	NA	86.8557	2.49286	NA	8.54571	-1718.65	NA	NA	NA	NA	NA	-12.1029
PCN 642	7	90	3.45143	-175.146	NA	-2210.69	-118.529	-34.8886	2780.79	NA	-183.19	10.2886	NA	4.27	-1447.25	NA	NA	NA	NA	NA	-22.6214
PCN 643	7	90	11.0029	-215.476	NA	114.139	-6.85429	-17.1086	5838.34	NA	221.344	1.13143	NA	-4.81714	NA	-7.56429	NA	-37.8657	NA	NA	-4.66
PCN 644	7	90	6.1	-123.411	NA	-2547.27	-149.423	-28.7986	6725.26	NA	586.87	9.69857	NA	-2.04857	NA	NA	NA	NA	NA	NA	-20.0643
PCN 645	7	90	-1.21	-118.87	NA	-873.713	-190.661	-0.47286	8927.46	NA	192.601	NA	NA	6.41286	NA	-4.73571	NA	-15.05	NA	NA	-11.7014
PCN 646	7	90	-0.85	-195.467	NA	1272.95	-230.054	-14.0586	12501.4	NA	19.3214	-1.37571	NA	-0.98714	NA	NA	NA	-22.7586	NA	NA	-5.02
PCN 647	7	90	3.15429	-208.514	NA	2562.85	-235.907	-14.0929	11193.8	NA	101.313	-1.95429	NA	1.99429	NA	-11.5443	NA	-40.2786	NA	NA	5.79857
PCN 648	7	90	2.70429	-160.047	NA	-356.793	-280.453	-6.51	18027.3	NA	49.5514	0.18143	NA	3.93714	NA	NA	NA	NA	NA	NA	-5.12143
PCN 649	7	90	3.85	-135.447	NA	1132.3	-286.816	-7.13857	17062.6	NA	66.9371	NA	NA	-0.41714	-724.741	NA	2.16857	-13.1943	NA	NA	-8.32857
PCN 650	7	90	-9.23429	-178.639	NA	3071.38	-157.256	5.63429	4467.97	NA	272.54	NA	NA	7.27	NA	NA	NA	NA	NA	NA	6.3
PCN 651	6	90	3.94833	-321.43	NA	355.003	-200.013	-9.075	4963.2	NA	776.617	-0.87	NA	-6.08833	NA	-8.22	NA	-26.37	NA	NA	-1.05333
PCN 652	7	90	2.33429	-365.2	NA	-82.7186	-99.4043	-4.39286	6316.72	NA	-102.317	NA	NA	-9.96	NA	NA	NA	NA	NA	NA	-3.47
PCN 653	7	90	2.35714	-237.053	NA	-148.814	-31.4	-13.51	3040.69	NA	454.383	-3.63714	NA	-12.0971	NA	NA	NA	NA	NA	NA	-3.06143
PCN 654	7	90	NA	-223.054	NA	4093.58	-105.736	-3.02857	3590.85	NA	262.724	-0.80286	NA	-6.94286	NA	NA	NA	-17.7243	NA	NA	0.84429
PCN 655	7	90	NA	-287.97	NA	-981.946	-19.4457	-7.98429	4154.82	NA	50.7686	-1.58143	NA	-3.64286	NA	NA	NA	NA	NA	NA	-10.6857
PCN 656	7	90	4.94143	-193.864	NA	-990.847	-16.9	-4.50714	7517.6	NA	151.624	NA	NA	0.02286	NA	NA	-0.10286	NA	NA	NA	-9.47286
PCN 657	7	90	2.98857	-156.54	NA	-133.87	-17.4357	-5.17143	4651.54	NA	158.497	-0.40143	NA	4.71286	NA	NA	NA	NA	NA	NA	-12.6986
PCN 658	7	90	5.91143	-243.956	NA	711.539	NA	12.55	4796.9	NA	151.859	NA	NA	-0.78714	NA	-3.36571	NA	-10.6271	NA	NA	-4.66857
PCN 659	7	90	2.32571	-47.3914	NA	1027.38	-167.979	-17.3057	6514.59	NA	168.869	-2.18	NA	1.28714	NA	NA	NA	NA	NA	NA	-6.16286
PCN 660	7	90	-1.45143	-49.1471	NA	1082.61	-189.529	-5.35571	10136.1	NA	47.7214	-1.38857	NA	6.79	NA	NA	NA	NA	NA	NA	-7.98714
PCN 661	7	90	2.36571	-73.22	NA	1379.93	-231.846	-14.4614	16158.1	NA	77.0929	-5.96429	NA	1.24571	NA	NA	NA	NA	NA	NA	-10.46
PCN 662	7	90	0.71143	-156.347	NA	1702.14	-210.926	-15.48	17057.3	NA	54.4214	-1.25714	NA	0.25714	NA	NA	NA	NA	NA	NA	-5.23571
PCN 663	7	90	4.97857	-77.8057	NA	1746.04	-144.977	-0.10143	8028.83	NA	134.514	-1.50286	NA	-5.61	NA	NA	0.81857	NA	NA	NA	-5.64571
PCN 664	7	90	0.96571	-164.344	NA	430.727	-148.977	-0.10286	10330.5	NA	104.563	-0.57857	NA	1.36286	NA	NA	NA	NA	NA	NA	-6.42286
PCN 665	7	90	0.10714	-129.107	NA	-335.09	-264.14	-3.25	13681.4	NA	98.2157	0.44143	NA	-0.78714	NA	NA	NA	NA	NA	NA	-9.36429
PCN 666	7	90	-3.04714	-151.887	NA	-461.024	-209.546	-3.68143	10777.2	NA	-63.1157	NA	NA	6.85429	NA	NA	4.15143	-11.67	NA	NA	-10.3329
PCN 667	7	90	0.42571	-191.237	NA	639.64	-362.443	15.2571	13142.3	NA	56.3	-2.87714	NA	0.52857	NA	NA	NA	NA	NA	NA	-8.19714
PCN 668	7	90	2.72571	-174.357	NA	1880.85	-178.596	17.8057	17623.2	NA	64.5929	NA	NA	5.21714	NA	-11.3886	NA	-34.8686	NA	NA	0.16143
PCN 669	7	90	-3.32429	-200.964	NA	2116.04	-83.7871	-2.46571	3524.28	NA	106.823	-5.36857	NA	-1.65571	NA	NA	NA	NA	NA	NA	11.9357
PCN 670	7	90	-7.74286	-156.317	NA	512.589	-180.411	13.08	2829.67	NA	20.43	NA	NA	6.15571	NA	-3.43571	NA	-11.2057	NA	NA	-12.7286
PCN 671	7	90	-9.85857	-160.871	NA	758.096	-339.703	32.3757	10359.8	NA	-1.83714	-1.31143	NA	5.40286	NA	NA	4.22429	NA	NA	NA	-4.30857
PCN 672	7	90	-6.63429	-145.599	NA	501.137	-306.75	24.6086	15382	NA	-85.1929	NA	NA	4.55857	NA	NA	NA	NA	NA	NA	-1.37143
PCN 673	7	90	-6.85714	-168.627	NA	1423.04	-251.497	-5.56429	4359.91	NA	49.41	-0.72	NA	-0.11571	NA	-7.94429	1.18571	-39.5514	NA	NA	-7.52429
PCN 674	7	90	-13.9086	-220.307	NA	2873.73	-299.354	5.76857	-869.781	NA	-1.60286	NA	NA	2.26429	NA	-10.6286	1.01857	-64.1886	NA	NA	6.06286
PCN 675	7	90	-11.8886	-195.92	NA	2356.25	-222.094	34.8214	2789.8	NA	-11.2457	NA	NA	3.55	NA	NA	NA	NA	NA	NA	-5.78571
PCN 676	7	90	-5.39429	-191.277	NA	2614.36	-210.396	11.08	436.443	NA	35.9543	NA	NA	NA	NA	NA	0.56143	-10.61	NA	NA	2.87286
PCN 677	7	90	-3.65857	-143.673	NA	2270.18	-182.893	10.0371	9808.76	NA	228.241	-0.56	NA	NA	NA	NA	NA	-10.1357	NA	NA	-2.51714
PCN 678	7	90	-7.40429	-190.259	NA	1312.68	-187.387	-4.14143	3942.15	NA	180.287	-0.32571	NA	6.61286	NA	NA	NA	-42.0429	NA	NA	-2.00429
PCN 679	7	90	-0.80143	-147.37	NA	1454.53	-232.137	-8.28429	8514.81	NA	96.2271	-0.56143	NA	3.25429	NA	NA	NA	NA	NA	NA	-1.87143
PCN 680	7	90	-3.27	-108.329	NA	1236.6	-179.889	-6.73286	8422	NA	38.6986	-0.63571	NA	3.77857	NA	NA	NA	NA	NA	NA	-5.32286
PCN 681	7	90	-4.53286	-72.0257	NA	2117.35	-342.031	-7.8	4799.07	NA	263.599	-0.55857	NA	NA	NA	NA	0.94571	NA	NA	NA	-2.35857
PCN 682	7	90	0.19571	-76.8243	NA	460.853	-68.5871	-8.36429	6046.18	NA	242.346	NA	NA	7.65143	NA	NA	NA	NA	NA	NA	-3.11143
PCN 683	7	90	7.94714	-108.149	NA	975.064	-144.434	-6.93429	17610.6	NA	19.0657	NA	NA	1.39	NA	-7.52143	1.75857	-19.4657	NA	NA	-5.49571

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 684	7	90	-0.13143	-124.789	NA	2362.3	-167.79	6.38143	6823.54	NA	124.369	-3.34571	NA	-0.33286	NA	-4.94143	NA	-19.5686	NA	NA	-4.40857
PCN 685	7	90	-2.34714	-73.1257	NA	2191.5	-143.734	-2.00857	10584	NA	409.974	0.20429	NA	3.67571	NA	NA	NA	-9.46571	NA	NA	-2.89571
PCN 686	7	90	-0.94	-108.16	NA	-1373.88	-63.1143	5.35143	10307.4	NA	172.217	NA	NA	2.67571	NA	NA	NA	NA	NA	NA	-6.36
PCN 687	7	90	2.97571	-183.149	NA	-1020.88	-199.936	-16.9286	15150.5	NA	113.551	NA	NA	-1.85143	NA	-4.33429	NA	-22.11	NA	NA	-13.4
PCN 688	7	90	-6.45	-152.264	NA	1684.53	-213.874	-9.73143	5701.56	NA	38.0957	-0.12714	NA	5.12714	NA	NA	1.57	-28.5214	NA	NA	-5.91143
PCN 696	7	90	-7.24143	-294.316	NA	3014.22	-192.513	-12.5743	4413.66	NA	218.961	-0.82429	NA	-0.77286	NA	NA	NA	NA	NA	NA	7.06429
PCN 697	7	90	-0.59286	-265.39	NA	1048.65	-70.81	3.06714	6371.66	NA	390.727	-0.91571	NA	1.46286	NA	NA	NA	-17.8729	NA	NA	1.16
PCN 698	7	90	-7.25143	-256.886	NA	213.246	-190.154	2.56714	4659.23	NA	308.174	NA	NA	1.23	NA	NA	NA	NA	NA	NA	3.27571
PCN 699	7	90	-6.65286	-261.554	NA	888.651	-279.957	6.14286	18448.9	NA	122.726	NA	NA	5.85429	NA	NA	NA	NA	NA	NA	4.68
PCN 700	7	90	-11.6714	-323.224	NA	5009.2	-83.0057	1.37	1768.24	NA	90.0571	-2.39	NA	-0.34571	NA	-4.27714	NA	-14.2286	NA	NA	8.50714
PCN 701	7	90	-7.10571	-360.763	NA	2054.56	-276.421	1.66571	465.07	NA	149.906	-1.00143	NA	6.08714	NA	NA	NA	NA	NA	NA	3.37143
PCN 702	7	90	-10.5071	-427.387	NA	604.226	-59.5657	-10.41	-1086.25	NA	24.2057	NA	NA	4.53429	NA	-9.67	NA	-44.57	NA	NA	5.54143
PCN 703	7	90	-3.30286	-173.641	NA	1330.01	-296.467	16.89	11408.5	NA	255.19	NA	NA	4.34143	NA	NA	NA	NA	NA	NA	9.03
PCN 704	7	90	-3.38143	-142.817	NA	-1255.85	-308.254	11.4029	5760.71	NA	53.5514	NA	NA	2.14143	NA	NA	NA	NA	NA	NA	-8.29143
PCN 705	7	90	-2.49	-275.326	NA	982.183	-197.563	-4.08143	7886.2	NA	249.371	NA	NA	0.39714	NA	-7.77286	1.91429	-35.3514	NA	NA	7.79
PCN 706	7	90	-3.52429	-185.234	NA	197.483	-83.1771	0.86571	13144.4	NA	160.489	NA	NA	-0.77286	NA	NA	NA	NA	NA	NA	4.14571
PCN 707	7	90	-9.56857	-201.864	NA	2398.75	-137.801	11.4457	12800.1	NA	178.554	NA	NA	5.5	NA	-10.0714	0.96286	-55.3471	NA	NA	8.29
PCN 708	7	90	-5.79286	-211.797	NA	2230.75	-219.789	7.53143	7435.79	NA	204.531	-0.66286	NA	NA	NA	-9.07857	NA	-66.7329	NA	NA	5.06714
PCN 709	7	90	-8.46	-246.124	NA	941.304	-43.0343	1.28429	4285.42	NA	196.72	NA	NA	5.73286	NA	-12.1414	NA	-76.8886	NA	NA	1.14714
PCN 710	7	90	-2.84	-211.796	NA	933.919	-22.2386	-1.08143	4600.21	NA	214.96	NA	NA	NA	NA	-4.34143	NA	-31.2443	NA	NA	-2.45286
PCN 711	7	90	-3.34286	-224.324	NA	2092.65	-181.316	7.27	11758.2	NA	319.24	NA	NA	-0.32714	NA	-17.0886	NA	-74.52	NA	NA	0.99857
PCN 712	7	90	-1.87143	-64.71	NA	1634.27	-119.349	-6.53714	10124.2	NA	358.049	-0.21571	NA	5.03857	NA	NA	NA	NA	NA	NA	-4.05143
PCN 713	7	90	-1.81857	-185.879	NA	222.173	-252.431	-0.42714	4794.19	NA	359.374	-0.39286	NA	6.89857	NA	-10.5629	NA	-40.7843	NA	NA	-1.77571
PCN 714	7	90	7.17143	-162.407	NA	-1377.29	-374.727	-11.2029	14852.9	NA	192.76	0.04571	NA	6.55857	NA	-7.60857	NA	NA	NA	NA	-4.50143
PCN 715	7	90	-2.26857	-196.441	NA	-299.15	-204.42	-11.9314	7076.52	NA	184.243	NA	NA	3.96571	NA	-10.9271	NA	-52.15	NA	NA	-13.1743
PCN 716	7	90	-7.57714	-174.48	NA	-672.43	-346.83	1.07	12877.3	NA	138.517	-0.10143	NA	2.93714	NA	-5.33429	NA	-21.1614	NA	NA	-5.67714

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 064	13	90	-201	-195	NA	22	-939	-27	32	NA	22	NA	NA	22	NA	-3891	NA	-4605	NA	NA	-10
PCN 065	13	90	-31	-199	NA	37	2	-25	17	NA	27	NA	NA	18	NA	-7079	NA	-56069	NA	NA	-268
PCN 066	14	90	-29	-346	NA	43	NA	54	26	NA	9	NA	NA	-8	NA	-26517	NA	-141121	NA	NA	-2
PCN 067	13	90	19	-348	NA	69	-82	26	12	NA	-2	NA	NA	-25	NA	-19935	NA	-255194	NA	NA	22
PCN 068	13	90	-54	-601	NA	37	-785	1	-2	NA	0	NA	NA	30	NA	-8032	NA	-49619	NA	NA	13
PCN 069	13	90	51	-438	NA	17	-158	5	12	NA	36	NA	NA	48	NA	-3047	NA	-65450	NA	NA	7
PCN 070	14	90	28	-187	NA	44	-267	52	22	NA	34	-312	NA	69	NA	-6635	NA	-16010	NA	NA	-42
PCN 071	14	90	43	-191	NA	45	-95	35	14	NA	27	-69	NA	58	NA	-6265	NA	-26151	NA	NA	-35
PCN 072	13	90	-31	-303	NA	32	-234	10	2	NA	19	NA	NA	49	-260	-6530	NA	-21206	NA	NA	-1
PCN 073	14	90	25	-388	NA	-51	-1054	-37	-8	NA	-27	77	NA	49	NA	-24404	NA	-26294	NA	NA	-311
PCN 074	13	90	41	-147	NA	65	-1182	28	31	NA	49	40	NA	16	NA	-11648	59	-19014	NA	NA	20
PCN 075	14	90	-24	-36	NA	31	-71	11	27	NA	21	87	NA	49	NA	-3522	NA	-9903	NA	NA	-18
PCN 076	14	90	-113	-242	NA	-32	-925	-61	-19	NA	NA	68	NA	66	41	-18871	59	-16074	NA	NA	26
PCN 077	14	90	12	-125	NA	39	-1604	19	28	NA	32	NA	NA	66	70	-3574	70	-4271	NA	NA	-126
PCN 078	15	90	-14	-178	NA	20	-4131	19	14	NA	45	NA	NA	32	NA	-4962	45	-17772	NA	NA	-5
PCN 079	13	90	13	-21	NA	4	-1012	7	26	NA	7	77	NA	60	NA	-1189	87	-1100	NA	NA	-36
PCN 080	13	90	-4	-214	NA	-24	-2366	28	23	NA	-13	NA	NA	18	NA	-3572	NA	-7995	NA	NA	-187
PCN 081	14	90	-2	-412	NA	-46	-1703	-18	5	NA	-11	62	NA	65	NA	-10243	52	-18604	NA	NA	-33
PCN 082	13	90	30	-240	NA	30	-1843	-1	33	NA	29	NA	NA	61	NA	-2675	92	-3550	NA	NA	-4
PCN 083	13	90	36	-142	NA	61	-1752	35	38	NA	50	NA	NA	89	NA	-4260	89	-9841	NA	NA	55
PCN 084	14	90	66	-53	NA	29	-527	56	51	NA	66	-160	NA	73	NA	-8957	NA	-20465	NA	NA	50
PCN 085	13	90	19	-78	NA	21	-618	15	45	NA	27	NA	NA	33	NA	-603	60	-1168	NA	NA	-21
PCN 086	12	90	37	-10	NA	62	NA	76	21	NA	88	NA	NA	NA	NA	-3296	NA	-11846	NA	NA	43
PCN 087	13	90	NA	-383	NA	-9	-336	67	12	NA	-2	37	NA	53	NA	-5242	NA	-89175	NA	NA	-266
PCN 088	13	90	NA	-295	NA	-23	NA	74	26	NA	26	NA	NA	18	NA	-5752	NA	-60372	NA	NA	-16
PCN 089	21	90	82	-468	NA	47	NA	16	7	NA	-20	NA	NA	40	NA	-8942	NA	-124624	NA	NA	-185
PCN 090	13	90	NA	-552	NA	-2	NA	6	18	NA	9	NA	NA	21	NA	-6441	NA	-138800	NA	NA	-35
PCN 091	13	90	NA	-699	NA	14	-89	75	9	NA	-27	NA	NA	89	NA	-21449	NA	-328346	NA	NA	-123
PCN 092	13	90	30	-29	NA	49	30	29	31	NA	45	NA	NA	66	NA	-1529	NA	-8275	NA	NA	27
PCN 093	13	90	40	-77	NA	36	47	18	34	NA	18	76	NA	46	NA	-6190	NA	-10698	NA	NA	-4
PCN 094	13	90	24	-491	NA	-23	-2411	-28	-10	NA	-97	72	NA	-18	NA	-4195	90	-7544	NA	NA	-16
PCN 095	14	90	31	-804	NA	-1	-1273	-54	35	NA	-18	NA	NA	-24	NA	-1725	50	-5103	NA	NA	1
PCN 096	13	90	27	-141	NA	-13	-442	11	36	NA	-21	75	NA	-2	NA	-1429	64	-6982	NA	NA	-134
PCN 097	13	90	66	6	NA	60	-5	41	57	NA	61	61	NA	67	NA	-4102	NA	-5718	-491	NA	28
PCN 098	12	90	31	11	NA	29	-11	-2	55	NA	41	77	NA	43	NA	NA	NA	NA	NA	21635	14
PCN 099	13	90	23	0	NA	51	-795	-31	49	NA	3	32	NA	57	NA	-527	91	-646	NA	NA	17
PCN 100	12	90	35	-2	NA	16	-220	1	45	NA	-5	71	NA	40	NA	-734	90	-1403	NA	NA	-11
PCN 101	13	90	24	25	NA	26	-630	-2	40	NA	8	48	NA	-2	NA	NA	85	NA	NA	NA	-9
PCN 102	13	90	27	-21	NA	40	-254	-6	52	NA	6	55	NA	7	NA	-1151	74	-1042	NA	NA	-25
PCN 103	13	90	10	-85	NA	17	-1220	-28	32	NA	46	47	NA	42	NA	-1214	68	-3060	NA	NA	-1
PCN 104	13	90	29	-63	NA	15	-728	25	42	NA	5	62	NA	52	NA	-3925	92	-7376	NA	NA	1
PCN 105	13	90	28	-34	NA	25	-1850	-4	46	NA	-28	90	NA	6	NA	-238	86	NA	NA	NA	-49
PCN 106	13	90	16	-199	NA	55	-464	30	35	NA	11	88	NA	33	NA	-3138	74	-3593	NA	NA	-23
PCN 107	13	90	-40	-301	-311	42	NA	5	-14	NA	35	NA	NA	-52	NA	-5462	50	-13614	NA	NA	-70

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 108	13	90	-10	-87	-93	12	-9449	51	44	NA	NA	45	NA	-12	NA	-3510	57	-5377	NA	NA	8
PCN 109	13	90	15	-210	-88	24	-6593	17	43	NA	77	60	NA	12	NA	-6013	82	-8113	NA	NA	-22
PCN 110	13	90	37	-389	NA	-22	-3247	46	30	NA	79	47	NA	1	NA	-8950	76	-11779	NA	NA	-25
PCN 111	10	90	24	-224	-54	-18	-14961	-1	1	NA	-50	57	NA	16	NA	-4024	45	-33424	NA	NA	-105
PCN 112	14	90	31	-420	NA	21	-1433	-28	46	NA	-61	NA	NA	26	NA	-592	56	-2962	NA	NA	-90
PCN 113	14	90	41	25	NA	45	-438	0	45	NA	34	30	NA	39	NA	-466	81	NA	NA	NA	27
PCN 114	15	90	17	-8	NA	10	-321	38	38	NA	45	87	NA	22	NA	-313	88	-2858	NA	NA	17
PCN 115	13	90	23	5	NA	28	-384	23	47	NA	33	NA	NA	35	NA	NA	NA	NA	NA	NA	28
PCN 116	13	90	19	-33	NA	35	-2400	14	37	NA	60	NA	NA	14	NA	-1032	61	-3441	NA	NA	26
PCN 117	13	90	8	-118	NA	24	-7081	10	37	NA	NA	NA	NA	41	NA	-2943	58	-4632	NA	NA	30
PCN 118	13	90	19	-140	47	38	-15091	12	38	NA	NA	NA	NA	16	NA	-2672	57	-6095	NA	NA	-28
PCN 119	14	90	-1	-105	-14	61	-14804	9	48	NA	NA	55	NA	18	NA	-2156	42	-3498	NA	NA	-53
PCN 120	13	90	11	-33	29	77	-9266	38	63	NA	75	NA	NA	-53	NA	NA	64	NA	NA	NA	18
PCN 121	14	90	2	-304	-86	-30	-10644	2	36	NA	NA	NA	NA	-10	NA	-2738	36	-4788	NA	NA	76
PCN 122	13	90	4	-39	NA	-42	NA	-13	42	NA	44	NA	NA	34	NA	-1158	NA	-952	NA	NA	-17
PCN 123	13	90	5	-109	NA	20	-78	22	45	NA	47	65	NA	29	NA	-4087	NA	-6879	NA	NA	11
PCN 124	13	90	9	-22	NA	33	-624	26	42	NA	46	NA	NA	19	NA	-1016	NA	-2043	NA	NA	4
PCN 125	13	90	-16	-102	NA	69	40	10	31	NA	46	25	NA	60	NA	-2466	NA	-12518	NA	NA	19
PCN 126	13	90	37	-10	NA	66	-173	41	36	NA	45	NA	NA	85	NA	-2884	33	-3619	-72	NA	20
PCN 127	13	90	3	-17	NA	42	-108	15	42	NA	53	24	NA	47	NA	-3061	81	-5678	NA	NA	20
PCN 128	13	90	41	-67	NA	69	-545	52	49	NA	39	56	NA	86	NA	-8672	47	-16387	NA	NA	29
PCN 129	14	90	81	86	NA	23	-101	-5	62	NA	21	NA	NA	87	NA	NA	22	NA	NA	NA	1
PCN 130	13	90	43	-309	NA	2	NA	45	28	NA	18	20	NA	38	NA	-5263	NA	-71364	NA	NA	-9
PCN 131	13	90	NA	-457	NA	-37	-195	23	4	NA	-2	NA	NA	-8	NA	-5684	NA	-55297	NA	NA	-47
PCN 132	13	90	NA	-516	NA	1	-171	2	24	NA	-11	26	NA	-11	-773	-6142	NA	-108898	NA	NA	-55
PCN 133	14	90	78	-381	NA	-48	-142	53	25	NA	10	46	NA	9	NA	-2041	NA	-47093	NA	NA	-31
PCN 134	13	90	17	-83	NA	10	-402	-4	33	NA	51	NA	NA	51	NA	-4972	NA	-23398	NA	NA	-10
PCN 135	13	90	53	-171	NA	-1	-236	7	30	NA	28	NA	NA	67	NA	-3758	NA	-11903	NA	NA	-27
PCN 136	12	90	74	-266	NA	-89	NA	36	29	NA	17	NA	NA	15	NA	-6789	NA	-30434	NA	NA	-18
PCN 137	11	90	29	-123	NA	-132	-610	-24	47	NA	17	-8	NA	45	NA	-640	87	-1814	NA	NA	-75
PCN 138	11	90	6	-64	NA	14	-345	17	50	NA	48	-10	NA	27	NA	NA	NA	NA	NA	NA	14
PCN 139	11	90	-7	-71	NA	6	-595	30	44	NA	56	48	NA	52	NA	-1535	NA	-3294	NA	NA	20
PCN 140	12	90	2	-68	NA	2	-565	17	35	NA	54	-12	NA	24	NA	-1251	NA	-3423	NA	NA	-17
PCN 141	11	90	13	-37	NA	40	-896	16	47	NA	35	34	NA	46	NA	-1520	88	-2896	NA	NA	20
PCN 142	11	90	14	-47	NA	-29	-1158	7	42	NA	16	-14	NA	34	NA	NA	70	NA	NA	NA	26
PCN 143	11	90	-5	-132	NA	17	-434	7	28	NA	17	34	NA	-53	NA	-1393	NA	-4085	NA	NA	24
PCN 144	11	90	26	-85	NA	-26	-1966	7	32	NA	10	-9	NA	12	NA	-790	73	-2971	NA	NA	-2
PCN 145	11	90	23	-121	NA	-78	-4238	-8	33	NA	-13	-2	NA	28	-30	-1428	50	-3890	NA	NA	-24
PCN 146	11	90	25	-65	NA	12	-3463	-12	24	NA	24	-10	NA	15	NA	-836	33	-2339	NA	NA	-33
PCN 147	11	90	30	-708	NA	-31	-3459	-29	29	NA	-3	-7	NA	3	51	-4457	74	-6801	NA	NA	-81
PCN 148	11	90	25	-71	NA	-90	-5286	-75	40	NA	0	20	NA	-2	NA	NA	74	NA	NA	NA	-90
PCN 149	12	90	5	-109	NA	-151	-6675	22	38	NA	67	-21	NA	-54	NA	-3039	47	-3465	NA	NA	24
PCN 150	11	90	1	-257	6	-307	-33783	2	17	NA	59	27	NA	-14	NA	-2856	88	-7533	NA	NA	-311
PCN 151	10	90	-7	-123	NA	-75	-24972	-74	8	NA	68	27	NA	-11	NA	-383	21	-594	NA	NA	-280

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 152	10	90	0	-1103	NA	-182	-44243	-44	21	NA	NA	-4	NA	12	NA	-1009	51	-2241	NA	NA	-599
PCN 153	11	90	1	-94	NA	-118	-38566	-26	11	NA	37	12	NA	-26	NA	-1465	53	-1873	NA	NA	-350
PCN 154	13	90	22	-8	NA	-73	-8416	-66	32	NA	-53	-103	NA	-26	-340	-2386	86	-6466	NA	NA	-43
PCN 155	13	90	-36	-37	NA	-16	-721	-7	18	NA	9	-206	NA	10	-494	-662	NA	-2980	NA	NA	-11
PCN 156	13	90	1	-17	19	-32	-841	4	25	NA	16	-82	NA	24	-606	-232	NA	-1932	NA	NA	4
PCN 157	13	90	5	-50	NA	-35	-478	-11	31	NA	23	63	NA	30	-411	-911	NA	-2224	NA	NA	-9
PCN 158	13	90	-15	-208	1	-163	-22864	23	0	NA	-13	-24	NA	-42	NA	-229	25	-917	NA	NA	-13
PCN 159	13	90	27	8	-58	-120	-23639	-45	28	NA	77	-204	NA	-16	-3	-447	16	-1212	NA	NA	-581
PCN 160	12	90	23	-80	-152	-199	-9296	46	4	NA	-6	-217	NA	5	-333	-896	47	-5730	NA	NA	-177
PCN 161	14	90	-15	-74	-124	-251	-5718	-67	9	NA	-88	-21	NA	-29	-1898	-342	20	-1103	NA	NA	-261
PCN 162	10	90	-33	-520	21	-300	-14251	-96	-21	NA	47	-41	NA	-64	NA	-100	-2	-519	NA	NA	-129
PCN 163	10	90	19	-325	-96	-278	-13931	-107	12	NA	50	-30	NA	-65	NA	-154	36	-2162	NA	NA	-204
PCN 164	15	90	47	-216	NA	-36	-2264	-30	60	NA	63	-277	NA	-5	31	-1477	NA	-3053	NA	NA	-481
PCN 165	9	90	41	-819	NA	-64	-3545	4	49	NA	-6	-88	NA	-14	34	-643	NA	NA	NA	NA	2
PCN 166	13	90	36	56	NA	-41	-635	-22	60	NA	48	-349	NA	-33	27	NA	86	NA	NA	NA	-463
PCN 167	13	90	24	-42	NA	-44	-292	-21	52	NA	42	-97	NA	-7	NA	NA	NA	-858	NA	NA	-8
PCN 168	10	90	12	-106	NA	-32	-501	-1	43	NA	25	76	NA	-2	NA	-439	NA	-1440	NA	NA	0
PCN 169	10	90	16	-144	NA	-98	-392	-2	49	NA	23	-11	NA	-11	NA	NA	NA	-1881	NA	21224	-19
PCN 170	10	90	15	-85	-99	-38	-625	-29	41	NA	31	-31	NA	-9	NA	NA	NA	NA	NA	NA	-7
PCN 171	10	90	18	-97	NA	-66	-290	-1	46	NA	-11	0	NA	6	NA	NA	NA	-1491	NA	NA	-16
PCN 172	10	90	24	-95	NA	10	-335	16	28	NA	30	5	NA	-11	NA	-2794	NA	-5946	NA	NA	-8
PCN 173	10	90	-8	-63	NA	3	-710	22	31	NA	30	75	NA	12	NA	NA	NA	NA	NA	NA	-9
PCN 178	13	90	71	-169	NA	-26	-820	-101	26	-11669	17	-539	NA	32	-3071	-830	NA	-11217	NA	NA	-485
PCN 179	10	90	5	-456	NA	-65	-116	47	20	NA	14	-66	NA	63	NA	NA	NA	-8719	NA	NA	-30
PCN 180	13	90	13	-58	NA	-113	-616	0	38	NA	13	-145	NA	0	-268	-916	72	-1001	NA	NA	-315
PCN 181	10	90	10	-20	NA	-3	-997	-34	40	NA	14	-86	NA	29	NA	NA	57	NA	NA	NA	-38
PCN 182	11	90	-9	-79	NA	-60	-1600	-33	26	NA	-6	-18	NA	-25	NA	NA	44	NA	NA	NA	-69
PCN 183	10	90	15	-66	NA	-3	-5049	-10	28	NA	20	-170	NA	31	NA	-655	34	-798	NA	NA	-89
PCN 184	13	90	26	33	NA	-226	-4564	-5	59	NA	14	-293	NA	22	-133	NA	63	NA	NA	NA	-210
PCN 185	12	90	1	-32	NA	0	-2326	-20	28	NA	7	-303	NA	100	NA	NA	NA	NA	NA	NA	-75
PCN 186	13	90	-31	-96	NA	-84	-1164	-4	3	NA	1	-355	NA	51	NA	-1100	NA	-3750	NA	NA	-20
PCN 187	13	90	-23	-54	NA	-1	-2139	15	21	NA	9	-333	NA	73	NA	NA	NA	-1690	NA	NA	6
PCN 188	16	90	40	-5	NA	-175	-11468	-39	48	NA	-40	-32	NA	72	-39	NA	62	-285	NA	NA	-192
PCN 189	14	90	49	24	NA	-207	-10314	19	61	NA	49	-48	NA	-2	-150	-1215	71	-926	NA	NA	-84
PCN 190	13	90	36	21	NA	-155	-13626	39	48	NA	82	14	NA	-1	4	NA	33	-265	NA	NA	-58
PCN 191	13	90	17	5	NA	-86	-15868	-47	36	NA	27	-12	NA	-25	-133	NA	58	NA	NA	NA	-393
PCN 192	15	90	19	-121	NA	-87	-24243	2	38	NA	72	-138	NA	-101	NA	NA	67	NA	NA	NA	-87
PCN 193	13	90	53	34	NA	-281	-11448	-45	70	NA	NA	-52	NA	-2	-401	NA	75	NA	NA	NA	-55
PCN 194	13	90	27	6	NA	-351	-7698	-110	25	NA	65	-35	NA	3	NA	-383	60	-2963	NA	NA	-288
PCN 195	13	90	37	88	80	-306	-4760	-205	52	NA	-92	5	NA	-27	NA	NA	81	NA	NA	NA	-817
PCN 196	13	90	55	60	NA	-66	-2341	-29	53	NA	-16	-39	NA	19	NA	NA	NA	NA	NA	NA	-82
PCN 197	14	90	20	18	NA	-35	-1055	4	51	NA	51	-158	NA	46	-591	-472	NA	-962	NA	NA	-1
PCN 198	16	90	23	-96	6	-311	-3028	-79	43	NA	76	-100	NA	-24	-232	-823	85	-5178	NA	NA	-193
PCN 199	13	90	-9	-318	NA	-340	-8489	-16	27	NA	69	-26	NA	-67	NA	-184	58	-2189	-850	NA	-108

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 200	13	90	-25	-107	NA	-136	-9528	-147	13	NA	41	12	NA	-59	NA	-417	NA	-1952	-999	NA	-79
PCN 201	13	90	-3	80	-15	-202	-6190	-45	-6	NA	-117	-30	NA	-49	-447	NA	44	NA	NA	NA	-351
PCN 202	10	90	57	53	NA	-390	-14618	6	68	NA	NA	-130	NA	21	-66	NA	57	NA	NA	NA	-2710
PCN 203	13	90	35	-35	NA	-210	-13228	-77	24	NA	-38	7	NA	-45	-9	-224	41	-375	NA	NA	-415
PCN 204	13	90	37	-577	NA	-129	-12323	-18	42	NA	-192	-39	NA	-111	76	-750	65	-952	NA	NA	-257
PCN 205	13	90	40	-419	NA	-65	-4006	22	47	NA	-18	-126	NA	12	16	NA	52	-201	NA	NA	-70
PCN 206	13	90	39	-855	NA	-63	-2075	12	52	NA	-2	-15	NA	-47	-54	-368	59	-214	NA	NA	-77
PCN 207	13	90	23	-352	NA	-16	-2110	1	46	NA	32	-79	NA	-10	NA	NA	75	NA	NA	NA	-66
PCN 208	13	90	14	-69	NA	-46	-721	-14	42	NA	4	-130	NA	-39	NA	NA	NA	NA	NA	NA	-32
PCN 209	13	90	2	-83	NA	-56	-1288	-9	31	NA	31	-143	NA	-9	NA	-556	NA	-1065	NA	NA	-5
PCN 210	13	90	0	-56	-272	-30	-430	-22	45	NA	26	-199	NA	6	-27	-635	78	-1032	NA	NA	-15
PCN 211	13	90	-8	-43	NA	-71	-209	-3	36	NA	38	-198	NA	16	NA	NA	71	NA	NA	NA	7
PCN 212	13	90	-3	-111	NA	-4	-310	5	40	NA	43	-302	NA	14	NA	NA	73	NA	NA	NA	2
PCN 223	10	90	45	-39	NA	-113	-2505	-109	56	NA	4	-120	NA	39	NA	NA	84	NA	NA	NA	-81
PCN 224	10	90	21	-102	NA	-69	-2142	-43	47	NA	-55	61	NA	7	NA	-278	82	NA	NA	NA	-76
PCN 225	10	90	4	-140	NA	-83	-2229	-11	34	NA	5	66	NA	84	NA	NA	NA	NA	NA	NA	-11
PCN 226	13	90	62	2	NA	-186	-11086	-35	56	NA	70	-415	NA	-31	-21	NA	88	-293	NA	NA	-695
PCN 227	13	90	54	-1189	NA	-265	-32736	9	54	NA	NA	-281	NA	56	81	-834	89	-197	NA	NA	-1160
PCN 228	10	90	50	-40	NA	-121	-21891	-39	50	NA	NA	42	NA	NA	-73	NA	75	NA	NA	NA	-330
PCN 229	13	90	54	12	NA	-273	-9559	26	58	NA	74	-345	NA	-15	-366	-858	74	-481	NA	NA	-436
PCN 230	10	90	62	-101	NA	-202	-8070	-20	54	NA	-211	42	NA	-40	-219	-184	66	-1	NA	NA	-230
PCN 231	15	90	47	69	NA	-31	-1126	-95	40	NA	-90	-165	NA	10	NA	-20	87	NA	NA	NA	-223
PCN 232	17	90	44	20	NA	-55	-1956	-58	47	NA	-166	-222	NA	-40	NA	46	91	-275	-764	NA	-310
PCN 233	13	90	22	28	NA	-118	-3777	-141	17	NA	-147	-141	NA	-60	NA	NA	NA	NA	NA	NA	-273
PCN 234	13	90	42	-56	NA	-37	-2554	-197	29	NA	-102	-78	NA	-14	NA	NA	92	NA	NA	NA	-329
PCN 235	13	90	-2	-366	NA	-4	-7583	-182	16	NA	-129	-78	NA	-22	NA	-58	62	-413	NA	NA	-193
PCN 236	13	90	16	-156	NA	-18	-6249	-192	28	NA	2	-192	NA	12	NA	-433	72	-2411	NA	NA	-121
PCN 237	12	90	35	24	NA	-273	-17761	-50	43	NA	77	-238	NA	28	-33	-474	67	-694	NA	NA	-988
PCN 238	14	90	41	59	NA	-151	-7159	-204	57	NA	NA	-94	NA	30	NA	NA	NA	NA	NA	NA	-119
PCN 239	12	90	51	73	54	-343	-3029	-73	62	NA	66	-86	NA	36	-23	-188	NA	-465	-330	NA	-529
PCN 282	3	90	34	-211	NA	-346	NA	-10	37	NA	NA	-150	NA	-215	NA	NA	NA	NA	NA	NA	-203
PCN 284	3	90	8	-162	NA	-160	-54054	-13	-30	NA	NA	NA	NA	-126	NA	NA	NA	NA	NA	NA	NA
PCN 287	3	90	22	-201	NA	-68	-9021	59	-66	NA	30	NA	NA	3	NA	-5557	NA	-21074	NA	NA	-178
PCN 289	1	90	26	8	NA	-45	-3159	-134	17	NA	-48	NA	NA	-72	NA	NA	NA	NA	NA	NA	-85
PCN 290	3	90	43	-1642	NA	-283	-21812	-8	39	NA	49	-236	NA	-125	64	NA	33	NA	NA	NA	-45
PCN 292	3	90	65	NA	NA	62	-3280	19	72	NA	58	NA	NA	41	NA	NA	NA	NA	NA	NA	6
PCN 328	3	90	49	24	NA	-223	-11295	-12	42	NA	-50	32	NA	48	-71	NA	NA	NA	NA	NA	-293
PCN 330	3	90	-36	36	NA	-77	-8171	-47	55	NA	-77	-167	NA	-85	NA	NA	NA	NA	NA	NA	-191
PCN 331	3	90	31	-242	NA	-1	-2889	27	55	NA	44	-21	NA	69	NA	-921	63	-1963	NA	NA	-281
PCN 332	3	90	40	-34	NA	-58	-4613	NA	49	NA	23	8	NA	22	NA	-770	NA	-1805	NA	NA	-62
PCN 333	3	90	40	-199	NA	-68	-58295	-26	18	NA	-203	NA	NA	22	NA	-2822	NA	-878	NA	NA	-369
PCN 334	3	90	64	NA	NA	-25	-2917	62	57	NA	-59	-398	NA	NA	NA	NA	NA	NA	NA	NA	-164
PCN 335	3	90	-19	-177	NA	-166	-2015	-116	-1	NA	-81	NA	NA	47	NA	NA	NA	NA	NA	NA	-152
PCN 336	3	90	-7	79	NA	-61	-4110	19	21	NA	-28	-229	NA	NA	NA	NA	NA	NA	NA	NA	-51

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 338	3	90	21	48	NA	-4	-5268	68	36	NA	-6	-189	NA	48	NA	NA	38	NA	NA	NA	-43
PCN 339	3	90	12	-70	NA	-8	NA	5	30	NA	0	NA	NA	56	NA	NA	NA	NA	NA	NA	-57
PCN 342	3	90	51	43	NA	13	-1249	63	50	NA	-19	NA	NA	-30	NA	NA	NA	-3289	NA	NA	60
PCN 345	3	90	21	-100	NA	-7	NA	0	37	NA	23	NA	NA	-21	NA	NA	NA	-5215	NA	NA	-32
PCN 349	3	90	-3	-121	NA	-7	-555	-4	29	NA	24	NA	NA	44	NA	-6464	NA	-21090	NA	NA	-20
PCN 350	3	90	8	-19	NA	20	-130	40	25	NA	53	NA	NA	-10	NA	-3000	NA	-10488	NA	NA	-8
PCN 351	3	90	38	-6	NA	7	-776	-6	54	NA	56	NA	NA	NA	NA	NA	NA	NA	NA	NA	3
PCN 352	3	90	15	-54	NA	10	-424	68	35	NA	26	-166	NA	-49	NA	-2403	NA	-15584	NA	NA	10
PCN 471	7	90	14	-93	NA	-23	-586	6	48	NA	26	-186	NA	25	NA	NA	NA	-3056	NA	NA	5
PCN 472	7	90	4	-58	NA	-88	-529	-42	50	NA	15	-188	NA	-39	NA	NA	NA	NA	NA	NA	-36
PCN 473	7	90	9	-142	NA	-98	-1183	-62	32	NA	-15	-82	NA	8	NA	NA	76	-1556	NA	NA	-55
PCN 474	7	90	15	-162	NA	-60	-3847	-30	32	NA	-21	-122	NA	25	NA	NA	27	NA	NA	NA	-30
PCN 475	7	90	18	-212	NA	-473	-5068	9	41	NA	-21	-16	NA	-35	NA	NA	49	-1399	NA	NA	-152
PCN 476	7	90	-27	-80	-126	-267	-6142	-155	-7	NA	-61	-103	NA	-89	NA	NA	20	NA	NA	NA	-465
PCN 477	7	90	17	-219	NA	-751	-17982	-107	39	NA	-219	-278	NA	21	NA	NA	68	-880	NA	NA	-410
PCN 478	7	90	10	-139	NA	-234	-33121	-100	28	NA	37	-129	NA	-20	-86	-783	39	NA	NA	NA	-65
PCN 479	7	90	35	-54	NA	-322	-8817	-262	38	NA	-71	8	NA	-23	NA	NA	54	NA	NA	NA	-476
PCN 480	7	90	43	-70	-54	-380	-802	-345	14	NA	-150	-128	NA	-135	-480	NA	81	NA	NA	NA	-635
PCN 481	7	90	25	69	-53	-149	-3707	-246	25	NA	-164	-148	NA	-13	NA	NA	NA	NA	NA	NA	-357
PCN 482	7	90	47	68	NA	-360	-9068	-199	46	NA	-263	6	NA	12	NA	NA	56	NA	NA	NA	-431
PCN 483	7	90	28	23	NA	-55	-5553	-69	21	NA	41	-82	NA	17	NA	NA	27	NA	NA	NA	-137
PCN 484	7	90	8	-32	NA	-89	-24754	-197	26	NA	NA	20	NA	1	NA	-94	16	NA	NA	NA	32
PCN 485	7	90	26	-17	NA	-32	-16077	-55	36	NA	NA	16	NA	31	-29	NA	64	-857	NA	NA	34
PCN 486	7	90	26	-36	NA	-118	-18527	-93	46	NA	75	-32	NA	24	NA	NA	52	NA	NA	NA	19
PCN 487	7	90	31	-6	NA	-216	-10487	-122	43	NA	NA	23	NA	2	NA	NA	59	NA	NA	NA	-147
PCN 488	8	90	42	-6	NA	-432	-18617	-152	49	NA	14	-33	NA	6	NA	NA	87	NA	NA	NA	-249
PCN 489	7	90	13	-39	-347	-173	-12521	-190	35	NA	75	20	NA	-18	NA	NA	18	NA	NA	NA	-251
PCN 490	7	90	16	-27	NA	-143	-6390	-275	17	NA	-38	33	NA	12	NA	NA	NA	NA	NA	NA	-326
PCN 491	7	90	-8	-58	-306	-72	-7981	-228	0	NA	-72	-7	NA	-97	NA	NA	73	-657	NA	NA	-369
PCN 492	7	90	24	16	-140	-209	-699	-308	30	NA	-24	44	NA	-24	NA	NA	NA	NA	NA	NA	-489
PCN 493	7	90	16	NA	-206	-278	-3146	-262	28	NA	11	-65	NA	-3	NA	NA	47	NA	-1254	NA	-341
PCN 494	7	90	43	-3	-5	-168	-9417	-123	14	NA	24	-2	NA	-10	NA	NA	81	NA	NA	NA	-198
PCN 495	7	90	26	-68	NA	-596	-16474	-36	32	NA	NA	-18	NA	-56	NA	NA	83	NA	NA	NA	-263
PCN 496	7	90	42	-307	NA	-117	-19887	-14	43	NA	60	59	NA	-125	NA	-2738	34	-2326	NA	NA	-100
PCN 497	7	90	44	-465	NA	-277	-6471	-72	7	NA	-174	-77	NA	-116	-186	-5066	62	-767	NA	NA	-234
PCN 498	7	90	29	-333	NA	-572	-9253	-33	31	NA	-88	-60	NA	-158	-674	-2608	91	-1055	NA	NA	-202
PCN 499	7	90	1	-145	NA	-154	-8836	-6	28	NA	-133	-442	NA	-12	-167	NA	89	NA	NA	NA	-117
PCN 500	7	90	-85	-1199	NA	-141	-19766	-73	11	NA	-198	NA	NA	-21	63	-3448	48	-7740	NA	NA	-200
PCN 501	7	90	-30	-139	NA	-68	-2116	5	27	NA	-16	9	NA	-15	NA	NA	63	-2032	NA	NA	-23
PCN 519	7	90	56	-222	NA	-34	-403	8	37	NA	20	1	NA	36	NA	NA	NA	NA	NA	NA	-14
PCN 520	7	90	11	-27	NA	-5	-114	-35	33	NA	28	-313	NA	49	NA	NA	NA	NA	NA	NA	-9
PCN 521	7	90	44	-37	NA	-145	-683	-66	60	NA	-34	-124	NA	52	NA	NA	NA	NA	NA	NA	-69
PCN 522	7	90	17	-43	NA	-140	-1330	-110	59	NA	-7	-141	NA	74	NA	NA	NA	NA	NA	NA	-23
PCN 523	7	90	15	-27	NA	-153	-6779	-36	27	NA	62	21	NA	-28	-268	NA	NA	NA	NA	NA	-33

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 524	7	90	6	-180	NA	-168	-965	-35	38	NA	10	9	NA	22	-1158	-608	NA	-2051	NA	NA	-13
PCN 525	7	90	47	-52	NA	-271	-5668	-273	53	NA	-130	-37	NA	49	NA	NA	NA	NA	NA	NA	-160
PCN 526	7	90	41	-1073	NA	-9	-10279	-133	35	NA	71	-20	NA	5	53	NA	74	-671	NA	NA	-271
PCN 527	7	90	57	-155	NA	-141	-14465	-65	51	NA	0	NA	NA	-77	-322	NA	79	NA	NA	NA	-112
PCN 528	7	90	41	-90	NA	-285	-8539	-110	44	NA	NA	-49	NA	-33	NA	NA	87	-946	NA	NA	-183
PCN 529	7	90	24	-33	NA	-114	-10652	-169	31	NA	66	-166	NA	-40	NA	NA	82	NA	NA	NA	-246
PCN 530	7	90	28	-95	NA	-234	-13027	-225	26	NA	44	-127	NA	44	NA	-62	NA	-831	NA	NA	-156
PCN 531	7	90	14	0	NA	-131	-6697	-185	35	NA	-42	56	NA	-5	NA	NA	NA	NA	NA	NA	-77
PCN 532	7	90	1	-71	NA	-163	-20669	-365	15	NA	6	-226	NA	14	NA	NA	NA	NA	NA	NA	-219
PCN 533	7	90	-6	-79	NA	-60	-13857	-267	5	NA	-110	-87	NA	-28	NA	-128	64	-1111	NA	NA	-391
PCN 534	7	90	51	46	NA	-125	-6623	-113	53	NA	-60	-36	NA	-5	-528	NA	87	NA	NA	NA	-150
PCN 535	7	90	53	33	NA	-276	-8320	-55	56	NA	NA	-5	NA	-1	NA	NA	73	NA	NA	NA	-121
PCN 536	7	90	35	-456	NA	-104	-4388	-74	39	NA	8	-59	NA	36	-15	NA	80	NA	NA	NA	-162
PCN 537	7	90	22	-131	NA	-71	-1711	-67	37	NA	22	-82	NA	32	-419	NA	40	NA	NA	NA	-14
PCN 538	7	90	-34	-319	NA	-138	-446	-27	10	NA	-19	-77	NA	43	-201	-2493	NA	-3815	NA	NA	-12
PCN 539	7	90	-8	-151	NA	-32	-7200	-27	22	NA	16	4	NA	-24	NA	NA	65	-1463	NA	NA	-1
PCN 540	7	90	-35	-394	NA	4	-5867	-47	25	NA	4	-79	NA	14	NA	NA	83	NA	NA	NA	-295
PCN 541	7	90	-23	-99	NA	-52	-492	-28	22	NA	-32	9	NA	5	NA	NA	NA	-2410	NA	NA	-184
PCN 566	7	90	-59	-148	NA	31	-341	-2	19	NA	25	-22	NA	78	NA	-1711	NA	-3527	NA	NA	-7
PCN 567	7	90	10	-218	NA	-17	-8080	-24	31	NA	79	NA	NA	21	NA	-1245	61	-2330	NA	NA	-37
PCN 568	7	90	-5	-138	NA	-50	-1519	-165	29	NA	7	-48	NA	4	NA	NA	NA	NA	NA	NA	-53
PCN 569	7	90	6	-55	NA	-53	-1213	-109	35	NA	-57	-221	NA	-2	NA	NA	NA	NA	NA	NA	-73
PCN 570	7	90	-10	-142	NA	-113	-3467	-42	22	NA	-116	15	NA	-51	NA	NA	33	NA	NA	NA	-86
PCN 571	7	90	36	-195	NA	-47	-5876	-3	30	NA	-58	21	NA	-23	NA	NA	69	-231	NA	NA	-85
PCN 572	7	90	7	-251	NA	-123	-16909	46	16	NA	NA	-3	NA	10	NA	NA	82	NA	NA	NA	37
PCN 573	7	90	-26	-123	NA	-31	-18072	-50	15	NA	25	-153	NA	26	-217	NA	17	NA	NA	NA	44
PCN 574	7	90	-47	-179	NA	5	-6217	-33	29	NA	73	NA	NA	46	NA	NA	-6	NA	NA	NA	3
PCN 575	7	90	-35	-76	NA	2	-5063	0	25	NA	52	-140	NA	2	-88	NA	71	NA	NA	NA	-34
PCN 576	7	90	-51	-105	NA	-29	-3625	-7	29	NA	47	-193	NA	55	NA	NA	-13	NA	NA	NA	-38
PCN 577	7	90	15	-133	NA	32	-2908	-6	38	NA	16	-183	NA	25	-215	NA	NA	NA	NA	NA	-7
PCN 578	7	90	-10	-106	NA	14	-1647	-21	40	NA	13	-344	NA	NA	NA	NA	72	NA	NA	NA	-39
PCN 579	7	90	14	-447	NA	24	-2934	-26	49	NA	-69	-140	NA	NA	69	NA	50	-222	NA	NA	-61
PCN 580	7	90	5	-68	NA	4	-3957	-9	29	NA	-18	3	NA	26	-409	NA	NA	NA	NA	NA	-57
PCN 581	7	90	36	-48	NA	-15	-6477	-50	26	NA	30	NA	NA	-27	NA	NA	NA	NA	NA	NA	-59
PCN 582	7	90	32	-75	NA	-45	-1124	-71	52	NA	4	-60	NA	-41	NA	NA	NA	NA	NA	NA	-43
PCN 583	7	90	29	-93	NA	-41	-1543	-83	40	NA	-20	NA	NA	-32	NA	NA	NA	-883	NA	NA	-71
PCN 584	7	90	38	-20	NA	-52	-623	-43	43	NA	-13	28	NA	34	-409	NA	NA	NA	NA	NA	-73
PCN 585	7	90	36	-17	NA	-75	-3896	-66	25	NA	-22	-456	NA	36	-242	NA	NA	NA	NA	NA	-88
PCN 586	7	90	16	-131	NA	-89	-8357	-118	22	NA	-22	NA	NA	-3	NA	NA	NA	-2241	NA	NA	-108
PCN 587	7	90	31	-132	NA	-111	-4007	-119	28	NA	-103	NA	NA	12	NA	-519	NA	-1405	NA	NA	-169
PCN 588	7	90	12	18	NA	-31	-1256	-143	24	NA	-21	-252	NA	43	-232	NA	NA	NA	NA	NA	-158
PCN 589	7	90	23	-63	NA	-131	-3306	-112	28	NA	-51	NA	NA	14	-53	NA	NA	NA	NA	NA	-84
PCN 590	7	90	35	-45	NA	-42	-1602	-129	40	NA	-28	34	NA	-16	10	-125	NA	-625	NA	NA	-74
PCN 591	7	90	17	4	NA	-1	-985	-23	36	NA	16	-68	NA	-7	NA	NA	NA	NA	NA	NA	3

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 604	7	90	10	-206	NA	23	-8125	-20	23	NA	54	15	NA	0	NA	-1127	15	-4042	NA	NA	-26
PCN 605	7	90	30	-156	NA	23	-3156	5	33	NA	30	6	NA	8	NA	NA	37	NA	NA	NA	-28
PCN 606	7	90	11	-117	NA	-21	-3851	-14	24	NA	18	7	NA	22	NA	NA	29	NA	NA	NA	-14
PCN 607	5	90	10	-144	NA	69	-1555	-25	35	NA	27	-17	NA	15	NA	NA	73	NA	NA	NA	-26
PCN 608	7	90	27	-79	NA	-15	-960	-27	49	-21400	5	-13	NA	15	NA	NA	NA	NA	NA	NA	-49
PCN 609	7	90	12	-100	NA	11	-345	-21	46	NA	42	-51	NA	7	NA	NA	NA	NA	NA	NA	-4
PCN 610	7	90	19	-111	NA	15	-183	-36	37	NA	38	-34	NA	-5	-730	NA	NA	NA	NA	NA	-18
PCN 611	7	90	11	-128	NA	10	-308	4	23	NA	49	24	NA	20	NA	NA	NA	NA	NA	NA	-16
PCN 612	7	90	59	-214	NA	4	-129	18	34	NA	26	-77	-114	3	NA	-2678	NA	-9606	NA	NA	-9
PCN 613	7	90	8	-141	NA	30	-461	-19	27	NA	31	-145	NA	-6	NA	NA	NA	NA	NA	NA	-19
PCN 614	7	90	NA	-134	NA	-6	NA	-66	39	NA	44	-331	NA	-54	NA	NA	NA	NA	NA	NA	-37
PCN 615	7	90	55	-251	NA	-29	-533	-37	26	NA	-7	-102	NA	2	NA	NA	NA	NA	NA	NA	-49
PCN 616	7	90	4	-232	NA	27	-705	6	35	NA	18	-175	NA	-8	NA	NA	NA	NA	NA	NA	-31
PCN 617	7	90	2	-111	NA	12	-10034	-54	33	NA	79	-207	NA	32	-82	NA	NA	NA	NA	NA	-2
PCN 618	7	90	25	-75	NA	-57	-24094	-20	34	NA	15	-267	NA	-44	-384	NA	78	NA	NA	NA	-58
PCN 619	7	90	7	-117	-110	-99	-8671	-88	0	NA	-103	-81	NA	-53	NA	NA	44	NA	NA	NA	-125
PCN 620	7	90	-3	-160	NA	-76	-3233	-7	9	NA	-60	8	NA	-46	-211	-706	69	-838	NA	NA	-89
PCN 621	7	90	33	-89	NA	-77	-4630	-118	25	NA	-87	75	NA	-24	-119	NA	70	NA	NA	NA	-209
PCN 622	7	90	20	-133	NA	-90	-5135	-92	21	NA	-68	NA	NA	-82	-190	NA	50	NA	NA	NA	-122
PCN 623	7	90	5	-83	NA	-108	-4797	-114	6	NA	-111	69	NA	-37	-72	NA	52	-276	NA	NA	-185
PCN 624	7	90	22	-121	NA	-129	-7538	-68	26	NA	-92	7	NA	-55	-146	NA	54	NA	NA	NA	-83
PCN 625	7	90	28	-85	-109	-89	-2375	-56	31	NA	-112	47	NA	-31	NA	NA	47	NA	NA	NA	-133
PCN 626	7	90	10	-241	-26	-154	NA	-128	20	NA	-187	15	-193	-62	-140	NA	38	NA	NA	NA	-206
PCN 627	7	90	12	-182	-81	-234	-1077	-16	31	NA	-157	62	NA	-8	NA	NA	45	NA	NA	NA	-154
PCN 628	7	90	-20	-217	-244	-272	-652	50	3	NA	-129	48	NA	-54	6	-487	12	-975	NA	NA	-273
PCN 629	7	90	25	-120	NA	-131	-1521	-83	24	NA	-148	31	NA	-42	NA	NA	47	NA	NA	NA	-192
PCN 630	7	90	9	-134	NA	-113	-7848	-90	18	NA	-103	-278	NA	-18	-218	NA	66	-654	NA	NA	-219
PCN 631	7	90	17	-127	NA	-8	-6677	-16	26	NA	-25	-108	NA	7	-73	NA	79	NA	NA	NA	-48
PCN 632	7	90	-34	-117	NA	55	-1395	-30	19	NA	21	-36	NA	73	NA	NA	NA	-7131	NA	NA	10
PCN 633	7	90	-28	-1280	NA	52	-6723	-19	26	NA	22	-95	NA	83	70	NA	63	NA	NA	NA	12
PCN 634	7	90	7	-221	NA	8	-1948	-11	21	NA	-24	NA	NA	37	NA	-1379	NA	-3786	NA	NA	-47
PCN 635	7	90	14	-78	NA	-77	-665	-82	16	NA	-33	-100	NA	-24	-574	NA	66	NA	NA	NA	-95
PCN 636	7	90	-46	-137	NA	41	-2088	-3	21	NA	3	-165	NA	34	NA	NA	NA	NA	NA	NA	13
PCN 637	7	90	-227	-123	NA	25	-2067	-25	-7	NA	7	NA	NA	NA	NA	NA	-435	NA	NA	NA	-2
PCN 638	7	90	-2	-130	NA	15	-1542	-4	14	NA	15	-73	NA	-46	NA	NA	NA	NA	NA	NA	-2
PCN 639	7	90	40	NA	NA	-53	-666	-74	45	NA	-36	-20	NA	-6	-48	NA	NA	NA	NA	NA	-97
PCN 640	7	90	13	64	NA	-79	-37	-75	21	NA	-54	-28	NA	-52	-75	NA	60	-1429	NA	NA	-124
PCN 641	7	90	56	43	NA	-14	-961	10	55	NA	25	12	NA	50	-156	NA	NA	NA	NA	NA	-30
PCN 642	7	90	14	-109	NA	-74	-527	-78	9	NA	-28	72	NA	25	-121	NA	NA	NA	NA	NA	-55
PCN 643	7	90	49	-108	NA	3	-19	-26	15	NA	26	27	NA	-32	NA	-1576	NA	-18031	NA	NA	-8
PCN 644	7	90	22	-59	NA	-94	-235	-51	18	NA	45	78	NA	-10	NA	NA	NA	NA	NA	NA	-45
PCN 645	7	90	-5	-59	NA	-22	-488	-1	21	NA	20	NA	NA	46	NA	-1435	NA	-4300	NA	NA	-23
PCN 646	7	90	-3	-163	NA	29	-1411	-18	23	NA	5	-107	NA	-10	NA	NA	NA	-3347	NA	NA	-15
PCN 647	7	90	11	-190	NA	63	-1380	-18	22	NA	25	-145	NA	18	NA	-4618	NA	-5837	NA	NA	16

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 648	7	90	9	-145	NA	-12	-1753	-10	32	NA	11	11	NA	36	NA	NA	NA	NA	NA	NA	-15
PCN 649	7	90	11	-104	NA	29	-1793	-9	30	NA	14	NA	NA	-4	-36	NA	64	-1404	NA	NA	-23
PCN 650	7	90	-63	-149	NA	38	-708	7	10	NA	33	NA	NA	73	NA	NA	NA	NA	NA	NA	13
PCN 651	6	90	44	-201	NA	8	-1047	-19	14	NA	48	-124	NA	-47	NA	-2283	NA	-43950	NA	NA	-2
PCN 652	7	90	51	-406	NA	-3	-975	-14	22	NA	-11	NA	NA	-71	NA	NA	NA	NA	NA	NA	-7
PCN 653	7	90	39	-237	NA	-3	-164	-31	9	NA	38	-713	NA	-134	NA	NA	NA	NA	NA	NA	-5
PCN 654	7	90	NA	-186	NA	41	-594	-6	11	NA	31	-157	NA	-63	NA	NA	NA	-59081	NA	NA	2
PCN 655	7	90	NA	-360	NA	-24	-166	-26	16	NA	8	-132	NA	-36	NA	NA	NA	NA	NA	NA	-25
PCN 656	7	90	73	-176	NA	-17	-128	-13	28	NA	18	NA	NA	0	NA	NA	-11	NA	NA	NA	-18
PCN 657	7	90	45	-157	NA	-2	-132	-13	18	NA	24	-32	NA	43	NA	NA	NA	NA	NA	NA	-27
PCN 658	7	90	71	-271	NA	13	NA	33	17	NA	23	NA	NA	-7	NA	-1463	NA	-5314	NA	NA	-10
PCN 659	7	90	13	-47	NA	21	-1312	-28	18	NA	25	-121	NA	12	NA	NA	NA	NA	NA	NA	-12
PCN 660	7	90	-6	-49	NA	16	-1504	-7	22	NA	10	-78	NA	57	NA	NA	NA	NA	NA	NA	-17
PCN 661	7	90	9	-92	NA	29	-1610	-22	33	NA	13	-280	NA	10	NA	NA	NA	NA	NA	NA	-21
PCN 662	7	90	3	-156	NA	43	-1219	-22	30	NA	7	-76	NA	2	NA	NA	NA	NA	NA	NA	-10
PCN 663	7	90	20	-97	NA	27	-1160	0	18	NA	21	-95	NA	-56	NA	NA	19	NA	NA	NA	-12
PCN 664	7	90	4	-235	NA	11	-1241	0	21	NA	18	-51	NA	14	NA	NA	NA	NA	NA	NA	-15
PCN 665	7	90	0	-161	NA	-11	-2751	-4	24	NA	22	23	NA	-7	NA	NA	NA	NA	NA	NA	-24
PCN 666	7	90	-11	-304	NA	-16	-2303	-5	20	NA	-14	NA	NA	76	NA	NA	78	-1768	NA	NA	-30
PCN 667	7	90	1	-239	NA	23	-3553	19	22	NA	10	-193	NA	5	NA	NA	NA	NA	NA	NA	-26
PCN 668	7	90	8	-218	NA	40	-1199	19	29	NA	9	NA	NA	52	NA	-3254	NA	-6705	NA	NA	0
PCN 669	7	90	-11	-335	NA	37	-296	-2	7	NA	9	-436	NA	-17	NA	NA	NA	NA	NA	NA	14
PCN 670	7	90	-34	-174	NA	12	-542	11	5	NA	2	NA	NA	68	NA	-701	NA	-1556	NA	NA	-17
PCN 671	7	90	-40	-268	NA	25	-2654	24	16	NA	-1	-219	NA	54	NA	NA	63	NA	NA	NA	-10
PCN 672	7	90	-24	-243	NA	14	-4793	26	23	NA	-24	NA	NA	65	NA	NA	NA	NA	NA	NA	-4
PCN 673	7	90	-31	-241	NA	35	-1747	-6	8	NA	9	-103	NA	-1	NA	-1241	18	-5137	NA	NA	-16
PCN 674	7	90	-111	-367	NA	44	-1825	6	-2	NA	0	NA	NA	45	NA	-2416	46	-17830	NA	NA	9
PCN 675	7	90	-77	-327	NA	45	-1241	28	6	NA	-2	NA	NA	59	NA	NA	NA	NA	NA	NA	-14
PCN 676	7	90	-32	-239	NA	40	-822	10	1	NA	3	NA	NA	NA	NA	NA	35	-2526	NA	NA	4
PCN 677	7	90	-17	-205	NA	35	-806	11	17	NA	20	-64	NA	NA	NA	NA	NA	-1662	NA	NA	-4
PCN 678	7	90	-40	-238	NA	29	-811	-4	9	NA	22	-29	NA	60	NA	NA	NA	-9777	NA	NA	-3
PCN 679	7	90	-3	-164	NA	29	-1161	-12	17	NA	10	-42	NA	36	NA	NA	NA	NA	NA	NA	-3
PCN 680	7	90	-13	-108	NA	26	-810	-9	15	NA	4	-56	NA	42	NA	NA	NA	NA	NA	NA	-10
PCN 681	7	90	-21	-65	NA	39	-1513	-10	10	NA	25	-47	NA	NA	NA	NA	47	NA	NA	NA	-4
PCN 682	7	90	1	-55	NA	9	-359	-11	14	NA	25	NA	NA	77	NA	NA	NA	NA	NA	NA	-5
PCN 683	7	90	17	-83	NA	21	-1094	-12	32	NA	4	NA	NA	15	NA	-1254	63	-1400	NA	NA	-15
PCN 684	7	90	0	-69	NA	44	-803	9	14	NA	15	-239	NA	-3	NA	-1336	NA	-4077	NA	NA	-9
PCN 685	7	90	-9	-61	NA	45	-459	-2	20	NA	32	12	NA	31	NA	NA	NA	-1820	NA	NA	-5
PCN 686	7	90	-4	-108	NA	-40	-206	7	20	NA	20	NA	NA	21	NA	NA	NA	NA	NA	NA	-14
PCN 687	7	90	11	-183	NA	-46	-809	-32	27	NA	15	NA	NA	-14	NA	-1111	NA	-3071	NA	NA	-41
PCN 688	7	90	-29	-117	NA	34	-1215	-11	11	NA	8	-11	NA	51	NA	NA	58	-5704	NA	NA	-13
PCN 696	7	90	-47	-294	NA	37	-1070	-30	11	NA	21	-147	NA	-9	NA	NA	NA	NA	NA	NA	8
PCN 697	7	90	-2	-332	NA	22	-274	5	15	NA	30	-114	NA	15	NA	NA	NA	-4468	NA	NA	2
PCN 698	7	90	-28	-321	NA	4	-726	4	10	NA	24	NA	NA	12	NA	NA	NA	NA	NA	NA	5

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCN 699	7	90	-24	-374	NA	17	-1407	7	31	NA	14	NA	NA	65	NA	NA	NA	NA	NA	NA	8
PCN 700	7	90	-80	-539	NA	47	-439	3	4	NA	11	-583	NA	-3	NA	-701	NA	-47429	NA	NA	12
PCN 701	7	90	-47	-515	NA	24	-1240	2	1	NA	15	-179	NA	68	NA	NA	NA	NA	NA	NA	5
PCN 702	7	90	-65	-611	NA	8	-153	-12	-3	NA	1	NA	NA	65	NA	-2844	NA	-31836	NA	NA	5
PCN 703	7	90	-12	-289	NA	30	-1086	16	20	NA	21	NA	NA	48	NA	NA	NA	NA	NA	NA	13
PCN 704	7	90	-13	-204	NA	-36	-1557	13	11	NA	6	NA	NA	31	NA	NA	NA	NA	NA	NA	-17
PCN 705	7	90	-12	-393	NA	18	-772	-5	16	NA	20	NA	NA	5	NA	-1215	64	-5795	NA	NA	11
PCN 706	7	90	-17	-232	NA	3	-398	1	24	NA	16	NA	NA	-13	NA	NA	NA	NA	NA	NA	6
PCN 707	7	90	-48	-252	NA	42	-499	10	22	NA	15	NA	NA	69	NA	-2014	46	-10644	NA	NA	14
PCN 708	7	90	-24	-265	NA	35	-811	8	14	NA	18	-76	NA	NA	NA	-2063	NA	-12591	NA	NA	8
PCN 709	7	90	-39	-273	NA	20	-182	2	10	NA	16	NA	NA	72	NA	-1927	NA	-19222	NA	NA	2
PCN 710	7	90	-15	-265	NA	17	-87	-1	10	NA	17	NA	NA	NA	NA	-886	NA	-7266	NA	NA	-4
PCN 711	7	90	-15	-224	NA	43	-755	9	23	NA	28	NA	NA	-4	NA	-4382	NA	-14904	NA	NA	2
PCN 712	7	90	-8	-59	NA	41	-442	-9	22	NA	30	-17	NA	50	NA	NA	NA	NA	NA	NA	-8
PCN 713	7	90	-8	-232	NA	6	-898	-1	9	NA	35	-31	NA	69	NA	-2296	NA	-8866	NA	NA	-4
PCN 714	7	90	26	-180	NA	-46	-1727	-19	29	NA	22	3	NA	73	NA	-1436	NA	NA	NA	NA	-10
PCN 715	7	90	-11	-246	NA	-11	-783	-20	15	NA	19	NA	NA	36	NA	-1987	NA	-8148	NA	NA	-30
PCN 716	7	90	-34	-218	NA	-24	-1508	2	25	NA	17	-8	NA	29	NA	-833	NA	-3649	NA	NA	-15

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 064	13	90	44.67	517.29	0	3763.83	641.59	126.36	35480.5	0	868.71	0	0	42.29	0	47.25	0	110.09	0	0	89.72
PCN 065	13	90	35.04	567.6	0	5068.93	209.04	231.83	46425.4	0	1138.41	0	0	43.99	0	72.37	0	214.13	0	0	1831.6
PCN 066	14	90	40.21	893.24	0	3287.4	0	92.54	38406.7	0	1270.69	0	0	40.33	0	101.63	0	267.47	0	0	261.54
PCN 067	13	90	28.53	727.21	0	4040.78	419.45	119.92	49330.9	0	1738.05	0	0	58.29	0	102.13	0	265.18	0	0	160.92
PCN 068	13	90	48.5	756.95	0	5317.07	475.4	136.86	48192.6	0	1320.59	0	0	35.92	0	66.03	0	227.06	0	0	82.19
PCN 069	13	90	22.84	491.27	0	9360.28	338.29	80.73	28792.7	0	637.79	0	0	24.85	0	57.87	0	162.28	0	0	81.03
PCN 070	14	90	25.11	494.69	0	6335.39	371.57	80.25	67077.9	0	1187.68	19.07	0	25.09	0	91.96	0	262.68	0	0	725.06
PCN 071	14	90	21.71	423.14	0	5325.49	404.14	121.77	98317.9	0	1012.23	17.78	0	22.19	0	65.45	0	237.2	0	0	1676.96
PCN 072	13	90	32.03	549.95	0	4693.7	375.57	171.34	68639.2	0	865.1	0	0	24.43	9357.72	69.01	0	209.84	0	0	113.35
PCN 073	14	90	92.72	814.43	0	5077.43	798.49	129.88	56958	0	681.08	14.42	0	22.06	0	144.41	0	423.3	0	0	489.87
PCN 074	13	90	31.81	387.96	0	3186.34	444.13	203.09	40556.8	0	293.24	13.66	0	38.68	0	66.57	10.41	210.11	0	0	51.43
PCN 075	14	90	33.24	280.37	0	3511.55	284.95	103.25	31459	0	342.84	10.4	0	28.21	0	64.32	0	154.07	0	0	87.89
PCN 076	14	90	49.81	489.59	0	7341.36	215.19	74.66	40154.6	0	0	9.76	0	28.93	26636.2	108.47	11.31	314.49	0	0	23.48
PCN 077	14	90	27.79	331.57	0	3020.02	533.06	70.71	42874.4	0	281.19	0	0	19.08	14099.2	39.12	10	151.96	0	0	747.12
PCN 078	15	90	34.54	414.28	0	3612.09	490.01	121.35	49861.9	0	192.05	0	0	25.14	0	84.24	13.93	241.85	0	0	68.77
PCN 079	13	90	34.45	219.12	0	5953.65	447.24	73.12	46077.1	0	490.57	13.57	0	20.1	0	45.22	9.93	81.12	0	0	74.09
PCN 080	13	90	49.92	428.86	0	3422.5	1018.07	108.08	63938	0	331.14	0	0	30.92	0	105.88	0	310.21	0	0	272.61
PCN 081	14	90	40.45	831.48	0	3672.71	464.49	130.22	47170.1	0	345.56	9.95	0	22.33	0	126.03	18.8	386.45	0	0	67.19
PCN 082	13	90	32.19	325.1	0	12151.2	495.87	152.61	48494.9	0	423.24	0	0	32.73	0	63.29	7.96	155.99	0	0	68.34
PCN 083	13	90	39.01	395.77	0	5390.06	692.69	134.43	57114.8	0	337.77	0	0	18.24	0	126	9.68	335.99	0	0	80.92
PCN 084	14	90	26.67	569.47	0	25487.2	630.18	132.15	45301.8	0	541.58	27.56	0	20.76	0	105.55	0	305.42	0	0	49.93
PCN 085	13	90	60.74	318.47	0	7313.93	412.78	99.29	36190.8	0	291.79	0	0	21.13	0	38.35	8.99	130.59	0	0	46.02
PCN 086	12	90	14.35	221.5	0	122688	0	58.33	8904.49	0	154.98	0	0	0	0	28.53	0	106.73	0	0	42.39
PCN 087	13	90	0	473.53	0	17125.3	327.43	60.56	34068.5	0	1173.28	8.83	0	23.12	0	60.79	0	178.22	0	0	1044.69
PCN 088	13	90	0	460.82	0	27924.4	0	63.84	23283.1	0	576.2	0	0	33.94	0	53.26	0	148.2	0	0	229.69
PCN 089	21	90	11.91	495.4	0	12267.9	0	152.81	30111.1	0	868.69	0	0	23.8	0	70.27	0	283.13	0	0	916.94
PCN 090	13	90	0	567.09	0	9370.85	0	71.34	25727.5	0	726.35	0	0	22.86	0	134.02	0	259.17	0	0	73.73
PCN 091	13	90	0	650.33	0	8086.96	218.97	83.62	26016.5	0	1544.39	0	0	13.14	0	95.46	0	309.64	0	0	1337.04
PCN 092	13	90	263.65	403.8	0	6125.58	266.97	95.39	37661	0	532.67	0	0	19.74	0	61.09	0	206.81	0	0	65.59
PCN 093	13	90	32.89	485.49	0	4234.11	235.26	116.99	52455.5	0	855.73	13.42	0	25.32	0	63.13	0	243.71	0	0	135.85
PCN 094	13	90	100.41	1602.49	0	1779.84	1093.61	120.02	183309	0	742.12	15.31	0	63.91	0	120.65	11.76	378.28	0	0	130.71
PCN 095	14	90	83.01	610.38	0	3463.8	592.55	117.26	58807.4	0	778.2	0	0	70.84	0	59.08	43.76	200.02	0	0	103.7
PCN 096	13	90	60.24	475.15	0	3991.68	503.52	92.37	39981.5	0	1067.71	17.32	0	65.26	0	72.22	16.56	232.01	0	0	429.8
PCN 097	13	90	40.27	317.34	0	4311.03	275.48	132.26	38655.1	0	597.26	18.23	0	23.03	0	97.96	0	234.87	59.19	0	104.14
PCN 098	12	90	33.9	174.56	0	4072.54	215.57	91.61	33057.7	0	775.19	14.37	0	27.31	0	0	0	0	0	129.21	78.5
PCN 099	13	90	50.87	258.87	0	2544.91	421.49	146.67	40624.6	0	420.76	44.56	0	25.86	0	45.61	9.75	92.07	0	0	68.09
PCN 100	12	90	57.58	344.51	0	5576.88	302.21	174.39	64894.1	0	543.77	17.5	0	27.49	0	74.07	10.26	205.64	0	0	97.63
PCN 101	13	90	43.58	209.25	0	5147.75	669.5	107.63	46991.8	0	593.63	13.77	0	31.7	0	0	8.82	0	0	0	97.96
PCN 102	13	90	44.16	309.46	0	2737.32	344.61	123.16	50373	0	492.74	13.26	0	34.04	0	81.75	10.3	198.92	0	0	53.35
PCN 103	13	90	66.11	342.32	0	2998.67	1197.04	160.74	99831.3	0	264.97	16.54	0	38.95	0	70.82	14.14	276.29	0	0	57.86
PCN 104	13	90	43.44	429.56	0	1915.67	291.94	93.48	49051.8	0	292.49	17.8	0	29.46	0	99.3	8.22	271.47	0	0	58.62
PCN 105	13	90	61.23	295.27	0	4507.3	442.31	76.33	40239.9	0	647.85	10.21	0	65.21	0	31.67	10.62	0	0	0	50.16
PCN 106	13	90	50.29	395.53	0	4170.38	337.57	109.41	43411.7	0	319.7	12.95	0	53.63	0	60.29	10.24	120.6	0	0	60.34
PCN 107	13	90	76.83	506.32	127.59	1882.84	0	56.57	48288.9	0	178.78	0	0	169.44	0	76.71	18.34	228.77	0	0	38.23

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 108	13	90	92.46	416.62	95.79	1300.45	550.5	91.99	74718.2	0	0	33.28	0	346.14	0	91.25	23.77	273.43	0	0	43.23
PCN 109	13	90	58.21	472.14	63.06	1201.57	513.22	72.06	41126.4	0	144.84	25.18	0	94.01	0	57.66	15.41	190.67	0	0	45.08
PCN 110	13	90	103.84	522.01	0	2763.67	486	85.05	76833.7	0	171.02	44.2	0	266.78	0	113.66	15.71	378.61	0	0	117.26
PCN 111	10	90	111.15	289.76	70.93	2051.73	1052.54	94.84	83573.8	0	307.03	27.61	0	216.38	0	69.41	29.79	210.04	0	0	31.16
PCN 112	14	90	67.59	345.4	0	3389.39	473.54	93.29	55502.5	0	452.4	0	0	107.22	0	48.45	20.22	131.36	0	0	49.3
PCN 113	14	90	55.4	294.53	0	4936.76	403.15	147.27	50602.3	0	648.27	29.4	0	36.4	0	51.47	8.32	0	0	0	66.52
PCN 114	15	90	40.1	275.7	0	3788.04	336.71	76.26	45191.2	0	462.55	15.28	0	33.87	0	31.63	6.71	102.15	0	0	46.26
PCN 115	13	90	40.84	242.47	0	6528.06	537.26	92.8	39464.8	0	746.01	0	0	31.24	0	0	0	0	0	0	61.56
PCN 116	13	90	90.66	316.76	0	2693.41	976.95	150.93	84819.4	0	295.39	0	0	41.31	0	50.02	17.18	152.56	0	0	50.24
PCN 117	13	90	61.01	502.17	0	1424.96	655.08	69.75	51925.9	0	0	0	0	33.23	0	81.2	24.26	300.92	0	0	23.15
PCN 118	13	90	85.92	541.01	70.83	761.05	740.36	62.3	61536.6	0	0	0	0	37.43	0	77.28	16.45	295.63	0	0	30.95
PCN 119	14	90	81.88	478.34	81.15	1014.97	687.58	103.15	58089.1	0	0	12.32	0	53.89	0	85.01	19.92	267.8	0	0	118.18
PCN 120	13	90	88.04	195.19	67.78	764.47	595.77	114.38	69952.1	0	191.53	0	0	47.71	0	0	13.54	0	0	0	152.13
PCN 121	14	90	106.1	403.68	106.18	1296.78	709.15	76.1	70561.4	0	0	0	0	51.23	0	99.49	16.85	258.3	0	0	23.41
PCN 122	13	90	43.07	277.07	0	6013.36	0	114.18	36251.1	0	1165.15	0	0	29.36	0	45.8	0	94.35	0	0	78.67
PCN 123	13	90	42.84	383.29	0	9346.4	335.37	93.64	38987.3	0	821.14	13.93	0	34.57	0	49.6	0	166.96	0	0	48.36
PCN 124	13	90	34.85	349.08	0	5038.15	409.87	98.05	40603.2	0	612.9	0	0	23.91	0	40.62	0	147.68	0	0	60.98
PCN 125	13	90	24.02	646.22	0	9766.89	253.88	106.39	48207.7	0	1061.96	8.76	0	24.58	0	96.72	0	295.26	0	0	97.64
PCN 126	13	90	25.4	219.4	0	6083.58	563.92	123.05	40857.2	0	662.2	0	0	19.24	0	40.15	14.9	140.21	20.56	0	113.26
PCN 127	13	90	37.63	423.25	0	5374.59	339.08	205.03	50999.2	0	531.67	17.51	0	25.05	0	60.41	9.56	206.78	0	0	84
PCN 128	13	90	26.67	439.01	0	6361.97	487.91	120.7	38579.7	0	542.14	8.21	0	21.14	0	66.31	10.78	193.61	0	0	65.39
PCN 129	14	90	14.91	179.34	0	20534.3	349.33	94.43	19631.2	0	319.63	0	0	13.08	0	0	17.18	0	0	0	103.24
PCN 130	13	90	12.44	469.71	0	7789.75	0	62.84	18012.9	0	639.51	11.3	0	19.59	0	62.35	0	192.58	0	0	62.49
PCN 131	13	90	0	443.43	0	9087.57	284.12	53.71	21782.9	0	523.43	0	0	21.87	0	55.9	0	135.88	0	0	72.23
PCN 132	13	90	0	585.72	0	9253.38	186.75	49.45	19046.3	0	640.66	9.55	0	22.82	11350.5	65.85	0	198.88	0	0	69.58
PCN 133	14	90	11.29	404.99	0	13888.7	257.22	57.21	20710.6	0	572.56	9.07	0	20.81	0	44.5	0	119.87	0	0	84.85
PCN 134	13	90	17.15	437.29	0	9837.47	505.48	81.53	39094.2	0	920.23	0	0	27.71	0	56.9	0	235.31	0	0	92.18
PCN 135	13	90	17.26	458.05	0	5533.4	256.13	83.66	28734.4	0	557.99	0	0	19.95	0	62.38	0	214.02	0	0	52.22
PCN 136	12	90	17.64	505.26	0	7606.71	0	58.14	22683.5	0	573.34	0	0	19.51	0	59.95	0	257.25	0	0	56.44
PCN 137	11	90	37.02	450.4	0	8579.21	350.3	90.5	31098.4	0	484.53	16.25	0	29.67	0	42.32	8.42	216.83	0	0	59.05
PCN 138	11	90	35.8	321.22	0	10860.2	478.88	117.85	38244.7	0	997.2	15.35	0	21.81	0	0	0	0	0	0	145.78
PCN 139	11	90	45.65	476.81	0	8013.96	494.43	109.4	48671.2	0	1011.78	13.67	0	18.09	0	71.96	0	231.44	0	0	72.62
PCN 140	12	90	93.66	636.09	0	10401.2	1504.86	148.57	136095	0	972.14	17.92	0	26.95	0	82.67	0	317.08	0	0	414.77
PCN 141	11	90	47.63	613.34	0	5897.86	403.28	142.64	44702.2	0	803.24	14.09	0	25.02	0	101.56	7.73	306.49	0	0	77.69
PCN 142	11	90	51.33	386.66	0	6408.19	686.35	115.4	50376.1	0	603.54	19.51	0	26.74	0	0	9.51	0	0	0	78.83
PCN 143	11	90	40.85	391.18	0	9264.58	412.59	134.02	50113.1	0	1918.13	29.98	0	22.56	0	59.11	0	170.32	0	0	116.26
PCN 144	11	90	49.55	2308.89	0	4794.05	464.08	117.83	44526.6	0	254.67	14.33	0	26.35	0	56.79	10.23	158.13	0	0	69.26
PCN 145	11	90	46.93	409.2	0	3558.21	488.77	106.92	51384.2	0	231.08	16.87	0	26.5	17165.9	50.99	13.56	217.22	0	0	79.26
PCN 146	11	90	55.49	411.79	0	3378.44	593.37	113.08	73428.3	0	271.27	16.28	0	35.82	0	35	21.38	131.1	0	0	60.35
PCN 147	11	90	60.44	435.6	0	3588.27	409.89	90.67	45018.2	0	259.97	13.49	0	36.65	18011.3	55.28	11.11	155.11	0	0	101.93
PCN 148	11	90	88.23	379.54	0	2609.41	522.6	94.63	62496.2	0	206.78	15.39	0	30.36	0	0	11.26	0	0	0	35.97
PCN 149	12	90	58.57	725.24	0	1941.9	986.73	86.1	90077.7	0	277.06	11.65	0	59.24	0	75.95	18.11	248.2	0	0	43.73
PCN 150	11	90	80.66	604.61	60.79	1957.02	512.71	49.91	52067.3	0	163.97	26.64	0	214.73	0	94.39	8.78	277.16	0	0	38.28
PCN 151	10	90	78.23	305.63	0	1661.86	516.71	75.16	50338.5	0	147.64	68.31	0	61.26	0	36.24	16.07	101.28	0	0	32.65

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 152	10	90	75.21	363.45	0	2750.42	729.26	60.46	73047.7	0	0	26.41	0	58.07	0	29.95	14.82	100.37	0	0	56.16
PCN 153	11	90	68.89	342.57	0	2353.61	660.63	78.37	56420.8	0	196.77	24.85	0	78.32	0	61.09	12.02	208.31	0	0	29.52
PCN 154	13	90	36.68	436.85	0	6447.4	1205.42	117.88	107299	0	282.32	16.08	0	32.6	17150.1	35.55	11.09	120.32	0	0	50.54
PCN 155	13	90	45.98	408.99	0	6842.55	452.26	107.1	45593.6	0	945.87	16.28	0	22.41	15456.2	33.68	0	156.18	0	0	77.21
PCN 156	13	90	54.19	304.18	57.57	4727.98	546.91	107.06	50031	0	850.08	14.68	0	29.25	18360.2	35.82	0	88.88	0	0	68.69
PCN 157	13	90	49.38	307.36	0	6496.57	568.06	95.01	45048.6	0	799	12.03	0	27.86	19943.9	47.51	0	115.63	0	0	68.67
PCN 158	13	90	97.09	283.05	75.49	1933.71	795.6	64.64	74019.2	0	254.67	14.62	0	95.41	0	43.57	17.16	116.32	0	0	33.15
PCN 159	13	90	120.84	341.83	85.22	3286.2	1183.79	83.63	141361	0	182.54	16.14	0	164.3	16062.1	54.05	36.35	236.99	0	0	130.48
PCN 160	12	90	104.93	414.39	157.95	4319.09	807.19	61.98	115213	0	252.59	24.2	0	120.63	20779.9	82.56	27.83	202.26	0	0	74.55
PCN 161	14	90	114.29	267.67	96.39	5749.16	583.39	109.59	91332.9	0	809.97	34.97	0	57.88	20296.6	42.46	14.6	136.38	0	0	33.82
PCN 162	10	90	296.37	269.35	66.38	3428.42	842.53	76.56	105332	0	263.8	17.15	0	80.11	0	37.52	16.48	139.38	0	0	35.68
PCN 163	10	90	95.91	351.94	112.38	3519.47	589.99	86.75	62344.2	0	165.53	15.91	0	59.81	0	29.7	14.33	185.11	0	0	34.03
PCN 164	15	90	82.55	519.71	0	5318.19	631.62	153.53	50146.4	0	348.9	28.15	0	38.4	23652.7	71.21	0	302.18	0	0	564.83
PCN 165	9	90	40.65	278.77	0	7137.41	592.73	115.14	47287.2	0	405.94	17.05	0	27.04	22674.3	36.12	0	0	0	0	38.01
PCN 166	13	90	41.83	149.48	0	9724.61	419.04	124.92	40106.8	0	1654.19	34.57	0	51.71	15205.1	0	7.88	0	0	0	639.45
PCN 167	13	90	44.61	338.14	0	5227.24	337.98	107.72	37742.6	0	943.6	21.46	0	57.82	0	0	0	92.2	0	0	60.51
PCN 168	10	90	37.45	317.16	0	7172.94	391.03	95.17	30705.9	0	855.18	14.43	0	31.25	0	27.48	0	92.38	0	0	53.79
PCN 169	10	90	37.03	314.49	0	6256.85	365.48	91.83	27273.1	0	640.16	15.15	0	33.24	0	0	0	114.92	0	105.62	45.66
PCN 170	10	90	32.53	317.61	53.36	6275.52	305.52	83.1	27555.5	0	516.49	12.19	0	31.6	0	0	0	0	0	0	52.36
PCN 171	10	90	38.8	556.43	0	7487.16	268.72	85.53	34322.1	0	3036.31	12.14	0	39.74	0	0	0	101.81	0	0	62.93
PCN 172	10	90	48.74	580.42	0	7559.85	375	112.3	46029.4	0	665.42	12.47	0	26.8	0	72.35	0	216.59	0	0	66.34
PCN 173	10	90	31.05	280.56	0	8395.74	378.87	89.8	29022.9	0	412.59	8.91	0	25.47	0	0	0	0	0	0	50.84
PCN 178	13	90	14.41	391.04	0	11282.5	275.27	232.6	21411.4	15.3	905.01	17.88	0	25.85	24554.2	39.9	0	132.41	0	0	829.75
PCN 179	10	90	14.26	334.88	0	10983	213.96	53.05	18769.9	0	398.84	14.96	0	24.78	0	0	0	97.01	0	0	50.71
PCN 180	13	90	46.29	336.49	0	13889	449.18	138.78	37725	0	548.91	18.35	0	37.65	28696.6	60.73	10.29	141.74	0	0	1233.32
PCN 181	10	90	46.57	207.64	0	7586.83	543.75	119.52	42367.3	0	683.11	14.55	0	27.39	0	0	9.28	0	0	0	62.84
PCN 182	11	90	47.77	284.77	0	5102.03	516.23	100.05	43753.6	0	507.87	10.99	0	26.14	0	0	11.69	0	0	0	67.18
PCN 183	10	90	49.71	314.28	0	3472.02	566.19	91.29	50448.2	0	244.57	13.5	0	28.68	0	29.43	11.8	137.45	0	0	55.57
PCN 184	13	90	36.36	187.63	0	5851.31	412.09	99.01	33522.9	0	286.3	29.99	0	30.33	21960.1	0	12.32	0	0	0	157.12
PCN 185	12	90	36.86	325.04	0	4958.66	743.57	138.56	43642	0	790.98	17.97	0	121.43	0	0	0	0	0	0	100.13
PCN 186	13	90	31.1	349.66	0	7892.53	487.49	119.66	47201.7	0	1073.06	20.39	0	18.84	0	29.63	0	137.56	0	0	101.55
PCN 187	13	90	40	348.17	0	4221.76	751.67	134.89	60013.9	0	815.15	38.1	0	25.06	0	0	0	95.4	0	0	96.34
PCN 188	16	90	58.72	336.24	0	4895.42	678.35	108.15	56090.7	0	248.46	18.38	0	51.3	17818	0	15.75	72.03	0	0	98.92
PCN 189	14	90	46.8	458.74	0	3620.56	469.23	84.86	34204.2	0	195.9	30.36	0	32.27	21699.9	90.19	14.08	199.6	0	0	50.82
PCN 190	13	90	68.17	320.65	0	3254.04	821.03	62.06	43388.6	0	181.24	19.29	0	33.02	18726	0	20.47	69.68	0	0	53.62
PCN 191	13	90	60.06	268.04	0	2645.56	960.8	87.99	59721	0	223.45	17.77	0	36.47	18211.8	0	16.63	0	0	0	419.4
PCN 192	15	90	64.33	391.91	0	3369.92	1094.74	105.71	133644	0	202.36	24.24	0	66.14	0	0	16.19	0	0	0	322.62
PCN 193	13	90	42.49	185.55	0	2677.71	573.43	75.12	38343.6	0	0	27.34	0	86.71	19542.3	0	8.21	0	0	0	46.84
PCN 194	13	90	59.92	290.55	0	4161.86	457.76	95.22	43424.4	0	159.28	25.23	0	66.26	0	38.83	8.23	140.96	0	0	35.61
PCN 195	13	90	55.04	109.74	58.96	5489.73	659.14	111.61	57916	0	352.4	26.03	0	67.92	0	0	8.91	0	0	0	108.86
PCN 196	13	90	49.21	175.32	0	8702.57	525	98.33	40457.6	0	592.51	22.2	0	32.77	0	0	0	0	0	0	85.71
PCN 197	14	90	46.64	337.51	0	6167.94	591.95	104.59	36981.4	0	535.98	19.26	0	22.96	19342.8	44.87	0	114.52	0	0	49.96
PCN 198	16	90	92.85	371.86	115.97	5128.82	356.46	80.5	39611.5	0	170.85	35.06	0	67.37	15927.8	70.87	9.06	233.55	0	0	60.73
PCN 199	13	90	68.51	251.96	0	3587.08	411.06	65.52	42274.7	0	157.46	20.43	0	52.52	0	30.27	9.65	96.04	18.53	0	31.2

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 200	13	90	41.84	264.14	0	3820.68	474.7	76.33	42050.3	0	198.02	15.66	0	35.3	0	38.32	0	122.68	20.01	0	38.33
PCN 201	13	90	49.73	68.97	64.41	7779.46	606.68	64.55	45664.8	0	332.21	19.71	0	54.79	21326	0	10.74	0	0	0	45.41
PCN 202	10	90	58.76	288.76	0	4310.34	434.47	74.21	26493.1	0	0	27.04	0	26.25	16605.7	0	12.49	0	0	0	598.92
PCN 203	13	90	97.61	329.81	0	3951.96	910.05	141.62	77084	0	290.88	24.14	0	92.81	19825.3	48.38	15.46	182.14	0	0	47.88
PCN 204	13	90	197.42	613.41	0	6659.16	1338.63	233.92	151372	0	432.32	11.47	0	38.01	21624.7	37.55	28.61	151.33	0	0	44.8
PCN 205	13	90	66.12	298.51	0	7150.56	1492.96	99.09	81888.2	0	351.94	24.9	0	21.09	21277.2	0	18.75	90.28	0	0	56.77
PCN 206	13	90	56.52	403.15	0	5761.38	425.91	111.66	48314.8	0	315.63	23.19	0	34.83	27853.4	33.47	14.23	129.88	0	0	43.5
PCN 207	13	90	57.92	226.79	0	8620.56	858.04	98.74	47053.8	0	531.04	21.95	0	31.71	0	0	17.14	0	0	0	59.91
PCN 208	13	90	67.05	282.48	0	6351.88	413.46	91.58	46825.2	0	625.55	14.4	0	29.01	0	0	0	0	0	0	69.95
PCN 209	13	90	70.94	327.91	0	8200.61	1615.73	125.12	107802	0	1329.67	17.48	0	35.08	0	34.09	0	110.57	0	0	61.55
PCN 210	13	90	42.08	310.73	65.85	7463.69	526.61	127.73	43228.1	0	793.03	20.18	0	32.67	16503.4	33.42	9.31	101.58	0	0	82.94
PCN 211	13	90	32.7	258.9	0	7285.64	361.44	100.89	34085.4	0	1345.76	28.28	0	25.74	0	0	8.32	0	0	0	79.22
PCN 212	13	90	28.29	332.61	0	9375.75	397.88	88.7	34905.5	0	894.71	14.81	0	23.28	0	0	7.61	0	0	0	75.41
PCN 223	10	90	33.24	239.66	0	9170.02	484.47	109.82	35009.4	0	508.07	16.1	0	19.44	0	0	7.15	0	0	0	59.35
PCN 224	10	90	40.19	384.26	0	5927.23	762.54	129.59	51337.8	0	744.06	10.61	0	19.16	0	32.87	8.01	0	0	0	71.78
PCN 225	10	90	45.51	290.73	0	4504.61	642.49	134.94	51351.1	0	348.37	8.59	0	16.22	0	0	0	0	0	0	89.22
PCN 226	13	90	52.85	449.48	0	4464.61	770.5	108.44	82439.3	0	200.95	26.05	0	27.12	15712	0	10.62	107.7	0	0	61.85
PCN 227	13	90	52.66	617.72	0	3868.81	1016.99	83.4	73147.4	0	0	23.4	0	27.16	19093.1	46.13	10.03	126.57	0	0	416.87
PCN 228	10	90	85.08	310.86	0	1886.77	958.45	74.07	77196.4	0	0	10.51	0	0	20791.4	0	11.72	0	0	0	29.91
PCN 229	13	90	43.9	451.07	0	5252.86	526.04	76.62	40546	0	152.79	29.95	0	22.14	22321.6	69.71	12.26	236.4	0	0	160.06
PCN 230	10	90	72.93	293.33	0	4031.96	710.72	64.13	47987.3	0	416.13	9.76	0	41.1	19164.6	48.52	13.28	130.82	0	0	49.42
PCN 231	15	90	87.8	284.26	0	9521.08	819.36	87.08	106710	0	1287.15	21.15	0	28.35	0	38.11	12.25	0	0	0	83.07
PCN 232	17	90	57.45	301.16	0	8502.65	517.36	82.59	46814	0	1223.75	18.65	0	35.9	0	32.87	10.81	139.09	16.16	0	101.16
PCN 233	13	90	157.44	333.64	0	4331.88	1900.99	117.09	150403	0	1008.22	20.58	0	35.16	0	0	0	0	0	0	65.08
PCN 234	13	90	76.96	261.08	0	4206.37	552.51	86.78	53602.7	0	768.22	19.66	0	29.84	0	0	5.68	0	0	0	216.03
PCN 235	13	90	74.23	447.12	0	3748.3	749.72	101.78	55395.3	0	699.41	18.5	0	31.06	0	37.46	9.57	122.78	0	0	46.99
PCN 236	13	90	60.35	460.91	0	2205.5	448.64	100.59	50215.7	0	357.34	12.45	0	23.17	0	49.32	8.95	166.4	0	0	45.39
PCN 237	12	90	88.91	573.7	0	5833.11	608.48	107.51	53628.5	0	162.04	16.35	0	34.41	17594	61.31	10.78	175.25	0	0	494.68
PCN 238	14	90	61.63	367.81	0	4851.85	985.48	92.51	62084	0	0	24.4	0	48.22	0	0	0	0	0	0	38.43
PCN 239	12	90	41.52	288.57	50.89	3278.06	513.56	69.73	35416.3	0	228.52	24.41	0	58.68	17716	56.39	0	128.15	13.94	0	141.04
PCN 282	3	90	19.96	210.59	0	2518.35	0	94.24	31972.1	0	0	10.71	0	24.59	0	0	0	0	0	0	47.93
PCN 284	3	90	62.91	301.17	0	987.44	2429.05	94.7	173254	0	0	0	0	38.36	0	0	0	0	0	0	0
PCN 287	3	90	105.73	723.08	0	5332.22	1215.55	48.98	256606	0	346.1	0	0	40.85	0	149.61	0	386.85	0	0	58.49
PCN 289	1	90	50.28	55.48	0	1449.67	293.3	65.52	31379.7	0	243.12	0	0	25.82	0	0	0	0	0	0	20.4
PCN 290	3	90	103.81	486.81	0	2868.72	1051.79	38.97	75792	0	113.21	13.89	0	112.75	16440.3	0	13.8	0	0	0	26.1
PCN 292	3	90	25.93	0	0	13038.5	270.08	54.19	16700.6	0	244.72	0	0	13.31	0	0	0	0	0	0	59.76
PCN 328	3	90	50.96	249.76	0	3181.71	428.64	64.17	42136.5	0	205.7	11.81	0	25.12	17410.6	0	0	0	0	0	24.87
PCN 330	3	90	106.31	135.12	0	2466.39	296.14	70.63	21580.5	0	268.84	12.1	0	22.9	0	0	0	0	0	0	26.23
PCN 331	3	90	257.89	323.28	0	2652.03	215.22	48.03	26181.7	0	152.74	11.6	0	14.99	0	35.85	9.59	133.06	0	0	42.77
PCN 332	3	90	41.77	323.63	0	3951.02	375.15	0	37080.3	0	258.69	13.55	0	17.79	0	28.44	0	110.29	0	0	23.69
PCN 333	3	90	37.75	269.21	0	3583.04	929.52	56.74	84886.5	0	271.69	0	0	21.08	0	41.2	0	108.25	0	0	28.16
PCN 334	3	90	32.68	0	0	21119.7	325.85	43.5	33022.3	0	1576.09	13.26	0	0	0	0	0	0	0	0	49.77
PCN 335	3	90	38.44	186.39	0	5247.06	323.67	58.18	46215.6	0	442.35	0	0	19.1	0	0	0	0	0	0	32.97
PCN 336	3	90	32.6	101.07	0	7025.31	653.9	111.32	48415.6	0	265.63	12.75	0	0	0	0	0	0	0	0	71.05

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 338	3	90	29.72	99.85	0	5921.41	320.24	55.32	38126.8	0	363.26	12.14	0	17.06	0	0	8.33	0	0	0	43.43
PCN 339	3	90	30.86	202.97	0	3344.5	0	70.56	41135.1	0	330.3	0	0	15.98	0	0	0	0	0	0	39.08
PCN 342	3	90	32.57	256.64	0	1846.6	408.89	63.08	41021.6	0	523.71	0	0	26.31	0	0	0	91.51	0	0	37.38
PCN 345	3	90	41.64	362.57	0	2307.48	0	92.77	33192.8	0	986.01	0	0	17.79	0	0	0	82.91	0	0	62.96
PCN 349	3	90	24.51	598.55	0	3173.45	393.51	72.29	31288.7	0	814.4	0	0	20.26	0	76.8	0	254.28	0	0	81.96
PCN 350	3	90	30.28	559.19	0	1946.5	330.51	52.24	34052.3	0	664.34	0	0	20.36	0	39.06	0	155.64	0	0	65.15
PCN 351	3	90	21.13	295.63	0	2309.13	368.68	85.04	27702.2	0	792.56	0	0	0	0	0	0	0	0	0	74.7
PCN 352	3	90	20.91	445.02	0	3066.02	405.24	53.57	31875.5	0	683.71	10.69	0	20.33	0	45.06	0	189.51	0	0	38.36
PCN 471	7	90	37.59	356.28	0	7607.84	747.48	72.14	50193.8	0	608.43	19.65	0	21.18	0	0	0	125.85	0	0	64.03
PCN 472	7	90	33.99	260.55	0	6833.21	386.43	81.05	35835.9	0	662.2	11.83	0	24.09	0	0	0	0	0	0	93.32
PCN 473	7	90	54.36	242.95	0	8700.73	707.56	93.52	50322.4	0	464.3	14.73	0	22.6	0	0	9.66	86.94	0	0	85.96
PCN 474	7	90	75.17	286.47	0	5736.17	677.27	111.49	72118.7	0	291.65	14.03	0	26.9	0	0	12.12	0	0	0	106.42
PCN 475	7	90	38.21	290.18	0	5105.72	349.8	96.52	35133	0	161.67	15.66	0	31.22	0	0	16.17	92.31	0	0	45.93
PCN 476	7	90	37.59	122.79	70.28	6056.72	322.01	75.31	32319.5	0	192.43	13.06	0	36.54	0	0	12.66	0	0	0	45.48
PCN 477	7	90	37.26	354.23	0	6088.79	445.81	90.76	43205.9	0	285.49	17.41	0	27.13	0	0	9.39	87.77	0	0	51.52
PCN 478	7	90	47.3	390.44	0	4043.26	630.95	76.43	60064.4	0	167.9	12.75	0	33.51	23410.5	34.62	15.33	0	0	0	29.1
PCN 479	7	90	77.12	278.77	0	5358.73	506.34	77.84	48408	0	228.35	12.69	0	26.61	0	0	14.75	0	0	0	44.5
PCN 480	7	90	77.43	287.4	79.88	4088.86	303.18	103.91	37751.2	0	311.7	15.05	0	159.1	20293.8	0	8.25	0	0	0	45.46
PCN 481	7	90	68.43	100.87	58.15	5092.04	460.46	109.13	42174	0	435.68	13.26	0	46.88	0	0	0	0	0	0	45.03
PCN 482	7	90	73.08	194.12	0	9578.21	683.02	122.44	53645.7	0	787.94	23.24	0	55.6	0	0	21.05	0	0	0	48.88
PCN 483	7	90	82.46	144.94	0	2603.08	722.15	132	54083.3	0	190.05	14.94	0	20.34	0	0	11.13	0	0	0	43.56
PCN 484	7	90	87.2	488.1	0	3049.8	867.55	104.43	66337.9	0	0	13.64	0	25.11	0	38.38	10.58	0	0	0	28.56
PCN 485	7	90	76.26	281.82	0	1875.16	509.96	79.7	60388.2	0	0	9.64	0	20.25	9931.18	0	12.03	114.56	0	0	27.74
PCN 486	7	90	82.18	441.89	0	2358.01	681.25	90.75	46117.8	0	139.6	15.3	0	26.74	0	0	11.42	0	0	0	24.26
PCN 487	7	90	46.47	245.22	0	3953.34	437.75	87.14	38302.2	0	0	10.81	0	42.8	0	0	7.29	0	0	0	42.82
PCN 488	8	90	53.94	227.43	0	1971.9	526.58	100.36	40012	0	139.09	14.87	0	43.21	0	0	7.22	0	0	0	72.85
PCN 489	7	90	49.54	196.26	57.86	1533.01	658.96	103.26	44407.5	0	131.41	10.82	0	35.02	0	0	7.96	0	0	0	32.81
PCN 490	7	90	55.5	245.97	0	1903.41	388.28	78.95	33511.4	0	164.39	14.83	0	37.35	0	0	0	0	0	0	41.82
PCN 491	7	90	95.38	278.55	108.28	3973.82	471.77	83.33	36594.9	0	240.64	17.67	0	109.42	0	0	10.26	96.46	0	0	44.39
PCN 492	7	90	98.47	293.03	203.47	4521.2	223.63	105.76	27774.2	0	162.71	23.38	0	83.67	0	0	0	0	0	0	41.37
PCN 493	7	90	73.74	0	162.03	4610.59	233.32	119.32	21456.6	0	169.41	24.63	0	50.69	0	0	7.13	0	14.22	0	30.01
PCN 494	7	90	67.1	187.64	90.69	2990.19	460.3	77.72	99276.9	0	254.26	24.32	0	49.66	0	0	10.15	0	0	0	34.58
PCN 495	7	90	44.54	282.2	0	4093.88	614.22	82.55	56882.6	0	0	15.25	0	73.33	0	0	8.96	0	0	0	34.85
PCN 496	7	90	52.93	454.71	0	1743.81	515.42	119.35	69801.8	0	171.58	10.75	0	83.31	0	87.98	12.8	283.66	0	0	45.79
PCN 497	7	90	39.14	466.72	0	2183.87	332.49	113.93	37418	0	187.52	13.09	0	125.12	42187.9	61.47	10.61	103.19	0	0	83.65
PCN 498	7	90	36.75	555.23	0	3042.08	441.56	113.37	35780.4	0	158.99	12.06	0	54.9	54256.7	32.23	7.87	100.24	0	0	41.35
PCN 499	7	90	24.37	395.1	0	9456.72	425.05	100.15	46737.4	0	283.39	17.82	0	24.63	25789.4	0	8.94	0	0	0	60.19
PCN 500	7	90	54.16	549.56	0	4120.38	931.99	86.36	85971	0	337.21	0	0	23.43	23765.7	41.96	20.15	154.25	0	0	49.07
PCN 501	7	90	35.37	328.94	0	3311.66	397.57	69.43	43637.3	0	331.84	10.49	0	22.94	0	0	8.81	83.58	0	0	47.9
PCN 519	7	90	18.19	429.65	0	8390.98	256.11	57.35	19986	0	530.79	9.47	0	21.99	0	0	0	0	0	0	68.36
PCN 520	7	90	20.82	257.94	0	7400.1	282.05	94.09	22281.7	0	576.7	9.43	0	17.6	0	0	0	0	0	0	72.95
PCN 521	7	90	25.73	215.11	0	6033.49	367.76	72.81	30803.3	0	456.71	10	0	15.67	0	0	0	0	0	0	73.7
PCN 522	7	90	30.16	256.1	0	3504.14	505.84	81.36	27208	0	309.65	12.23	0	16.36	0	0	0	0	0	0	49.68
PCN 523	7	90	28	310.57	0	2826.65	540.91	90.19	35969.8	0	160.35	9.95	0	17.94	18034.3	0	0	0	0	0	63.92

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 524	7	90	31.31	363.88	0	3060.08	363.21	103.4	33454.3	0	224.24	9.2	0	16.33	26420.5	37.16	0	118.97	0	0	66.1
PCN 525	7	90	36.55	257.98	0	3388.91	407.79	103.37	29990	0	215.77	11.83	0	15.32	0	0	0	0	0	0	43.77
PCN 526	7	90	39.3	411.94	0	3000.57	385.39	64.62	44389.6	0	135.48	12.22	0	20.93	22856.6	0	7.57	109.58	0	0	44.59
PCN 527	7	90	60.85	326.18	0	2498.44	627.53	79.81	54654.5	0	138.51	0	0	20.61	19655.6	0	8.5	0	0	0	40.96
PCN 528	7	90	49.03	291.46	0	2396.59	545.55	85.67	40112.9	0	0	11.84	0	19.55	0	0	7.66	191.89	0	0	26.16
PCN 529	7	90	51.99	204.21	0	2698.63	480.16	97.86	47546.4	0	152.47	12.11	0	24.63	0	0	8.62	0	0	0	52.21
PCN 530	7	90	50.49	319.49	0	2901.63	818.32	120.94	66928.4	0	194.44	13.04	0	25.08	0	32.56	0	106.18	0	0	73.48
PCN 531	7	90	49.29	167.75	0	2953.12	515.76	83.96	40172.2	0	282.9	9.44	0	25.25	0	0	0	0	0	0	48.51
PCN 532	7	90	65.41	396.65	0	1973.24	858.03	108.47	49105.4	0	168.43	13.72	0	36.5	0	0	0	0	0	0	40.69
PCN 533	7	90	64.39	1128.61	0	1308.65	520.82	73.28	47984.6	0	228.38	11.97	0	35.26	0	29.86	7.59	101.72	0	0	121.3
PCN 534	7	90	65.41	192.5	0	3800	493.88	105.18	39662	0	174.4	12.25	0	21.52	21973.6	0	9.11	0	0	0	42.17
PCN 535	7	90	85.25	167.67	0	2612.88	548.2	93.01	41262.6	0	0	17.56	0	21.69	0	0	8.2	0	0	0	32.75
PCN 536	7	90	28.42	382.16	0	2802.39	360.28	88.49	35612.5	0	205.28	11.3	0	24.96	29547.1	0	7.6	0	0	0	44.6
PCN 537	7	90	35.14	291.81	0	3742.06	304.03	98.97	28563.6	0	208.84	10.15	0	21.83	32677.8	0	7.95	0	0	0	35.21
PCN 538	7	90	28.08	381.06	0	3689.73	390	99.77	42176.7	0	412.74	12.61	0	18.07	23930.9	34.38	0	109.62	0	0	88.09
PCN 539	7	90	39.05	328.04	0	2669.34	636.04	97.24	54017.6	0	201.52	10.33	0	19.28	0	0	9.31	114.87	0	0	57.16
PCN 540	7	90	31.62	345.34	0	2727.62	677.24	77.34	50657.6	0	223	9.34	0	21.08	0	0	8.06	0	0	0	64.01
PCN 541	7	90	31.58	256.88	0	4455.34	385.08	91.4	43203	0	457.79	9.98	0	21.36	0	0	0	124.73	0	0	52.51
PCN 566	7	90	27.51	359.61	0	6807.75	280.8	92.58	35646	0	600.66	11.32	0	17.22	0	34.23	0	104.09	0	0	64.03
PCN 567	7	90	56.77	444.01	0	3358.08	464.67	69.76	44739.5	0	160.08	0	0	17.78	0	48.97	9.31	182.2	0	0	31.44
PCN 568	7	90	56.88	255.27	0	5738.62	480.62	95.59	48245	0	486.25	10.37	0	19.32	0	0	0	0	0	0	45.87
PCN 569	7	90	42.34	244.05	0	8742.35	432.36	82.48	51431.4	0	1014.19	14.42	0	26.11	0	0	0	0	0	0	52.09
PCN 570	7	90	50.2	303.32	0	5902.67	687.53	80.62	69194.8	0	791.33	10.76	0	37.01	0	0	11.19	0	0	0	50.59
PCN 571	7	90	48.63	381.68	0	2649.81	570.62	57.62	60398.1	0	257.44	10.1	0	19.31	0	0	8.25	79.69	0	0	40.04
PCN 572	7	90	45	245.35	0	2521.89	600.84	55.21	69995.3	0	0	9.78	0	19.89	0	0	7.21	0	0	0	30.96
PCN 573	7	90	43.49	286.7	0	4157.61	585.8	90.91	54564.8	0	189.48	13.88	0	22.59	26860.3	0	13.07	0	0	0	31.63
PCN 574	7	90	44.25	344.26	0	2991.68	473.11	69.42	46025.3	0	151.8	0	0	18.52	0	0	10.97	0	0	0	29.95
PCN 575	7	90	42.7	229.51	0	3338.48	441.66	67.71	45427.2	0	154.83	11.28	0	25.74	21093.8	0	8.01	0	0	0	35.99
PCN 576	7	90	40	247.76	0	3277.2	485.59	92.37	40381	0	169.82	13.94	0	25.38	0	0	10.67	0	0	0	36.12
PCN 577	7	90	25.75	204.36	0	4784.46	476.78	89.72	36353	0	172.28	10.8	0	22.48	18775.7	0	0	0	0	0	51.63
PCN 578	7	90	36.08	194.64	0	5104.14	399.14	85.76	34039.1	0	226.2	11.35	0	0	0	0	8.67	0	0	0	32.27
PCN 579	7	90	53.76	242.51	0	6113.62	513.03	87.31	42039.1	0	195.82	12.25	0	0	20189.1	0	11.05	70.2	0	0	36.27
PCN 580	7	90	40.01	249.63	0	4251.09	446.86	87.21	46145.7	0	178.3	8.87	0	17.6	23642.3	0	0	0	0	0	39.7
PCN 581	7	90	40.92	300.74	0	4680.34	1352.31	177.4	116598	0	218.43	0	0	29.72	0	0	0	0	0	0	48.95
PCN 582	7	90	45.77	251.35	0	3552.19	447.75	83.51	37612.7	0	458.6	16.31	0	25.31	0	0	0	0	0	0	55.01
PCN 583	7	90	70.75	260.42	0	2196.27	518.66	76.28	36285.1	0	376.01	0	0	34.76	0	0	0	73.64	0	0	45.41
PCN 584	7	90	38.77	287.33	0	5502.86	393.62	121.08	28984.2	0	422.05	8.82	0	19.02	19780.7	0	0	0	0	0	42.78
PCN 585	7	90	29.74	233.38	0	6129.32	688.35	92.76	55264.2	0	271.82	14.47	0	18.75	23515	0	0	0	0	0	53.21
PCN 586	7	90	35.43	345.37	0	4399.65	708.52	82.13	59180	0	266.81	0	0	24.53	0	0	0	149.14	0	0	38.94
PCN 587	7	90	37.12	324.43	0	2803.57	676.56	75.54	44839.8	0	408.35	0	0	24.58	0	46.76	0	114.83	0	0	44.56
PCN 588	7	90	45.95	238.18	0	3976.74	480.48	102.32	41288.2	0	360.44	17.55	0	17.95	18607.3	0	0	0	0	0	55.69
PCN 589	7	90	35.19	704.22	0	10680.8	420.09	86.77	35083.4	0	416.74	0	0	27.32	20305.6	0	0	0	0	0	57.18
PCN 590	7	90	39.09	419.1	0	4272.6	380.45	116.34	37389.3	0	455.82	10.16	0	34.06	17560.9	36.34	0	87.3	0	0	51.02
PCN 591	7	90	44.18	243.32	0	4755.38	451.26	89.72	33822.4	0	670.53	10.59	0	23.87	0	0	0	0	0	0	80.12

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 604	7	90	65.56	401.02	0	5682.21	513.28	111.17	45029.6	0	214.13	10.97	0	38.67	0	36.93	14.41	126.45	0	0	35.89
PCN 605	7	90	47.53	318.19	0	4612.37	457.55	89.23	41690.8	0	261.76	15.82	0	50.14	0	0	9.97	0	0	0	43.45
PCN 606	7	90	54.06	263.77	0	7534.24	567.4	111.86	53149.7	0	248.52	14.62	0	45.8	0	0	14.06	0	0	0	57.28
PCN 607	5	90	48.48	306.6	0	1193.24	437.37	81.79	34839.4	0	269.32	21.19	0	40.94	0	0	7.99	0	0	0	54.41
PCN 608	7	90	44.45	256.39	0	5229.93	491.18	91.92	35313.5	15.05	465.23	20.45	0	38.56	0	0	0	0	0	0	57.71
PCN 609	7	90	41.86	260.8	0	6049.13	391.31	86.89	28416.9	0	494.35	14.29	0	29.45	0	0	0	0	0	0	60.43
PCN 610	7	90	25.1	282.89	0	5110.9	261.92	85.95	20165.6	0	471.35	14.81	0	33.17	23236	0	0	0	0	0	76.37
PCN 611	7	90	19.95	221.62	0	6735.5	243.13	67.59	18763.5	0	646.44	9	0	22.71	0	0	0	0	0	0	64.76
PCN 612	7	90	17.8	423	0	7377.97	232.62	72.63	23902.4	0	688.4	12.63	89.69	20.71	0	40.83	0	105.75	0	0	72.69
PCN 613	7	90	16.59	384.9	0	8801.13	267.32	70.6	23038.6	0	736.88	10.54	0	20.09	0	0	0	0	0	0	77.34
PCN 614	7	90	0	295.63	0	8944.35	0	87.34	22876.2	0	733.05	11.97	0	25.54	0	0	0	0	0	0	72.04
PCN 615	7	90	12.29	367.16	0	7987.65	226.27	58.89	20121.5	0	594.18	10.21	0	18.52	0	0	0	0	0	0	63.61
PCN 616	7	90	15.42	388.35	0	8075.27	238.51	70.66	23908.4	0	665.03	12.91	0	22.69	0	0	0	0	0	0	53.41
PCN 617	7	90	47.7	274	0	4389.35	500.46	115.38	52383.1	0	160.03	11.9	0	20.44	26769.4	0	0	0	0	0	40.58
PCN 618	7	90	61.89	244.24	0	3620.01	909.77	159.22	92722.9	0	228.06	17.21	0	22.81	29012.9	0	14.99	0	0	0	37.79
PCN 619	7	90	134.7	304.96	84.18	3388.52	767.38	72.03	68359.5	0	436.47	20.92	0	98.69	0	0	16.99	0	0	0	37.03
PCN 620	7	90	69.37	515.44	0	3529.41	599.11	49.53	46585.7	0	372.71	11.2	0	29.51	19568.8	49.63	8.71	186.51	0	0	38.18
PCN 621	7	90	91.6	339.28	0	5735.63	625.38	71.04	53277.1	0	590.28	9.72	0	39.7	21502.3	0	9.18	0	0	0	38.07
PCN 622	7	90	62.03	342.73	0	7366.63	830.48	104.85	65734.5	0	614.22	0	0	44.29	20332.3	0	9.53	0	0	0	37.05
PCN 623	7	90	59.81	328.24	0	4497.51	482.71	81.95	60667.6	0	470.46	12.91	0	45.51	28849.2	0	11.68	80.89	0	0	40.72
PCN 624	7	90	71.93	257.06	0	5529.81	590.91	97.93	56439.3	0	454.4	18.14	0	30	20654.2	0	16.62	0	0	0	37.75
PCN 625	7	90	52.37	267	59.51	6208.51	637.49	89.85	39827.4	0	523.32	10.57	0	30.04	0	0	11.09	0	0	0	37.54
PCN 626	7	90	31.25	506.33	54.53	11129.6	0	57.18	25416.3	0	1345.29	11.83	82	110.12	26689.2	0	10.95	0	0	0	45.62
PCN 627	7	90	42.61	363.12	58.12	9609.75	361.6	68.51	27956.9	0	1092.44	11.25	0	38.56	0	0	17.56	0	0	0	34.7
PCN 628	7	90	59.22	487.06	86.13	8861.09	337.1	52.38	29812.5	0	641.65	10.89	0	35.58	19717.9	48.93	14.43	115.16	0	0	41.78
PCN 629	7	90	72.89	266.05	0	6425.5	415.92	130.26	37767.9	0	850.84	11.83	0	28.47	0	0	14.31	0	0	0	41.51
PCN 630	7	90	43.81	393.42	0	3980.18	487.21	217.99	42481.2	0	322.82	11.62	0	17.82	29745	0	8.19	92.33	0	0	44.14
PCN 631	7	90	25.4	361.23	0	4575.78	540.28	177.45	50341.2	0	355.45	11.38	0	16.76	24172.5	0	8.6	0	0	0	69.31
PCN 632	7	90	29.57	318.66	0	6543.69	601.1	127.81	58729.2	0	341.67	10.6	0	17.3	0	0	0	121.53	0	0	74.11
PCN 633	7	90	27.45	342.17	0	5237.19	519.59	72.66	55923.8	0	258.69	12.96	0	16.51	19883.6	0	9.3	0	0	0	51.54
PCN 634	7	90	38.44	464.26	0	3658.26	514.5	121.36	57701.4	0	394.45	0	0	17.48	0	33.13	0	154.91	0	0	62.75
PCN 635	7	90	39.82	671.7	0	5696.66	433.99	128.86	48373.4	0	898.21	16.62	0	28.44	42750.2	0	10.19	0	0	0	82.55
PCN 636	7	90	31.07	336.52	0	5483.32	545.24	115.02	54792.6	0	693.61	11.65	0	20.6	0	0	0	0	0	0	61.72
PCN 637	7	90	320.08	391.05	0	5455.78	1547.45	303.67	153340	0	695.97	0	0	0	0	0	74.88	0	0	0	67.56
PCN 638	7	90	32.69	356	0	6981.72	626.22	108.06	46044.7	0	487.9	12.79	0	28.24	0	0	0	0	0	0	66.98
PCN 639	7	90	34.12	0	0	18882.6	338.15	69.79	21181.5	0	918.86	19.22	0	31.99	23305.8	0	0	0	0	0	72.44
PCN 640	7	90	39.33	254.98	0	12649.4	205.26	86.64	19245.2	0	1267.08	17.44	0	21.88	22103.5	0	6.66	77.04	0	0	79.23
PCN 641	7	90	37.14	217.41	0	7239.36	276.17	109.8	21862.4	0	335.5	28.81	0	18.22	19730.6	0	0	0	0	0	68.44
PCN 642	7	90	26.45	382.25	0	8099.32	352.32	92.12	30852.7	0	910.07	16.98	0	21	18530.8	0	0	0	0	0	69.22
PCN 643	7	90	25.6	743.06	0	6775.32	303.48	107.4	34980.4	0	792.63	12.15	0	29.75	0	56.31	0	183.64	0	0	80.32
PCN 644	7	90	27.52	461.41	0	5723.49	472.15	120.15	35560.7	0	836.04	10.52	0	31.42	0	0	0	0	0	0	84
PCN 645	7	90	32.55	365.01	0	5692.92	353.02	100.73	37194.1	0	1448.07	0	0	18.5	0	35.46	0	107.8	0	0	75.69
PCN 646	7	90	36.28	383.93	0	4794.83	484.82	109.95	42747.6	0	479.8	9.83	0	28.24	0	0	0	86.25	0	0	41.98
PCN 647	7	90	30.41	417.95	0	3300.19	516.81	113.52	43039.4	0	438.41	12.83	0	18	0	50.8	0	175.6	0	0	52.92

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 648	7	90	31.35	322.55	0	4901.73	433.01	86.36	40196	0	459.75	10.7	0	18.98	0	0	0	0	0	0	50.9
PCN 649	7	90	35.32	322.76	0	4728.98	490.99	101.28	47909.7	0	466.61	0	0	17.9	19073.2	0	8.62	98.94	0	0	53.39
PCN 650	7	90	31.51	327.78	0	8443.33	849.64	91.51	67010.3	0	688.39	0	0	19.11	0	0	0	0	0	0	66.57
PCN 651	6	90	16.88	804.08	0	6953.29	450.15	74.65	33229.5	0	939.38	9.42	0	28.84	0	51.48	0	158.58	0	0	69.04
PCN 652	7	90	15.86	543.12	0	7555.32	275.55	65.08	22976.5	0	1212.55	0	0	33.28	0	0	0	0	0	0	65.47
PCN 653	7	90	13.3	374.58	0	7793.58	353.5	94.39	32901.8	0	956.49	9.96	0	30.81	0	0	0	0	0	0	83.67
PCN 654	7	90	0	419.23	0	11656.2	312.98	77.36	29493.6	0	718.14	9.19	0	24.36	0	0	0	124.28	0	0	64.69
PCN 655	7	90	0	402.54	0	7908.79	218.02	67.33	24176.4	0	699.29	9.96	0	29.18	0	0	0	0	0	0	61.48
PCN 656	7	90	13.01	362.95	0	8940.77	210.7	51.32	20633.7	0	760.35	0	0	18.31	0	0	7.02	0	0	0	76.79
PCN 657	7	90	14.01	326.2	0	8285.04	214.45	65.95	24793.7	0	632.36	11.56	0	16.86	0	0	0	0	0	0	75.85
PCN 658	7	90	16.72	368.02	0	7636.96	0	69.62	26127.5	0	590.33	0	0	19.11	0	25.17	0	75.79	0	0	72
PCN 659	7	90	24.71	197.34	0	5767.5	368.1	112.21	32621.6	0	669.26	14.96	0	19.15	0	0	0	0	0	0	80.69
PCN 660	7	90	30.23	219.73	0	7312.43	420.78	89.79	37555.6	0	509.32	11.73	0	19.9	0	0	0	0	0	0	63.95
PCN 661	7	90	29.86	359.81	0	5834.61	593.75	104.2	43747.4	0	758.43	12.66	0	21.21	0	0	0	0	0	0	82.38
PCN 662	7	90	32	322.79	0	5487.59	532.65	115.81	47423.7	0	1414	11.27	0	18.21	0	0	0	0	0	0	64.89
PCN 663	7	90	26.62	227.68	0	7581.36	421.36	93.84	38986.3	0	623.3	11.14	0	27.35	0	0	9.01	0	0	0	75.19
PCN 664	7	90	31.88	291.37	0	5275.2	450.9	93.94	41800.3	0	683.52	11.96	0	23.64	0	0	0	0	0	0	58.64
PCN 665	7	90	39.09	291.12	0	4826.8	597.79	101.04	47306.4	0	394.91	10.21	0	22.09	0	0	0	0	0	0	63.89
PCN 666	7	90	36.74	276.32	0	4616.28	419.41	113.48	49222	0	637.35	0	0	15.02	0	0	8.04	86.31	0	0	55.68
PCN 667	7	90	37	302.21	0	3564.35	615.77	80.55	52367.5	0	601.75	10.96	0	17.6	0	0	0	0	0	0	53.92
PCN 668	7	90	41.16	464.59	0	5756.85	594.38	89.92	48498.4	0	717.47	0	0	17.93	0	82.17	0	247.72	0	0	74.24
PCN 669	7	90	38.94	335.61	0	7317.62	459.91	120.47	49084.7	0	1553.55	15.59	0	21.26	0	0	0	0	0	0	91.49
PCN 670	7	90	39.17	342.35	0	5771.57	524.52	132.15	58194.6	0	1421.39	0	0	19.91	0	27.48	0	83.48	0	0	108.96
PCN 671	7	90	56.33	236.72	0	3831.95	860.17	131.03	78081.7	0	442.37	13.38	0	16.46	0	0	8.96	0	0	0	54.87
PCN 672	7	90	45.05	304.57	0	5182.89	711.19	83.76	70226.6	0	600.88	0	0	17.09	0	0	0	0	0	0	60.24
PCN 673	7	90	38.06	346.45	0	5068.5	694.23	125.34	66910.4	0	603.45	9.94	0	23.77	0	32.73	11.27	102.6	0	0	63.22
PCN 674	7	90	41.53	388.39	0	7074.22	523.65	121.01	49183.9	0	855.92	0	0	19.15	0	40.96	8.27	160.28	0	0	82.53
PCN 675	7	90	31.1	347.66	0	7319.17	488.96	114.7	51052.6	0	846.39	0	0	17.15	0	0	0	0	0	0	55.58
PCN 676	7	90	28.59	298.19	0	6417.41	546.54	128.94	51881.2	0	1278.4	0	0	0	0	0	7.27	77.21	0	0	77.36
PCN 677	7	90	37.02	260.43	0	6680.56	395.36	107.88	49328	0	1003.61	10.01	0	0	0	0	0	75.22	0	0	65.33
PCN 678	7	90	32.56	338.05	0	5727.33	494.08	112.21	43536.8	0	723.81	10.05	0	16.85	0	0	0	115.9	0	0	75.37
PCN 679	7	90	28.3	306.55	0	6984.27	633.26	86.85	48936.6	0	1080.27	13.24	0	24.83	0	0	0	0	0	0	65.92
PCN 680	7	90	36.72	294.6	0	6829.58	718.53	99.76	64154.6	0	988.66	12.43	0	22.56	0	0	0	0	0	0	80.62
PCN 681	7	90	35.21	233.2	0	6064.17	573.06	106.53	45077.7	0	891.71	12.31	0	0	0	0	7.38	0	0	0	78.4
PCN 682	7	90	26.73	305.57	0	6214.29	314.89	98.92	40344.8	0	858.79	0	0	16.44	0	0	0	0	0	0	89.15
PCN 683	7	90	46.69	399.46	0	6277.7	404.13	86.19	40976.9	0	511.07	0	0	18.8	0	56.85	7.29	145.99	0	0	62.13
PCN 684	7	90	48.96	413.95	0	6540.87	492.99	88.08	44222.5	0	776.73	13.21	0	22.25	0	37.18	0	140.34	0	0	68.51
PCN 685	7	90	31.48	259	0	6541.85	479.44	125.47	47312.7	0	968.89	10.54	0	21.58	0	0	0	69.9	0	0	64.07
PCN 686	7	90	31.8	257.18	0	6829.6	345.61	98.88	44945	0	767.7	0	0	32.26	0	0	0	0	0	0	60.21
PCN 687	7	90	33.37	597.63	0	5486.62	500.67	112.82	52561.2	0	834.65	0	0	47.97	0	33.07	0	159.81	0	0	61.89
PCN 688	7	90	35.71	404.2	0	5360.01	446.79	136.26	50538.6	0	542.68	8.87	0	19.05	0	0	7.91	127.78	0	0	67.84
PCN 696	7	90	29.38	436.46	0	7905.65	412.69	69.15	37283.3	0	964.13	9.69	0	19.7	0	0	0	0	0	0	90.23
PCN 697	7	90	30.08	467.13	0	7802.19	370.24	81.6	37487.7	0	985.48	12.01	0	24.36	0	0	0	127.91	0	0	80.75
PCN 698	7	90	42.75	447.39	0	6924.3	463.86	94.14	42947.9	0	1206.87	0	0	23.04	0	0	0	0	0	0	74.72

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCN 699	7	90	40.64	365.34	0	6149.78	400.3	91.99	42978.1	0	798.25	0	0	22.02	0	0	0	0	0	0	67.68
PCN 700	7	90	32.08	545.5	0	8792.31	360.82	73.35	43102.7	0	854.43	10.02	0	23.27	0	34.21	0	99.81	0	0	77.99
PCN 701	7	90	27.12	565.38	0	9335.02	486.64	97.81	45777	0	917.06	10.93	0	20.39	0	0	0	0	0	0	86.38
PCN 702	7	90	32.68	891.14	0	10731.9	357.57	110.02	47022.9	0	1977.69	0	0	17.26	0	35.48	0	228.42	0	0	107.96
PCN 703	7	90	43.91	300.86	0	5246.51	514.5	100.52	48853.1	0	1126.58	0	0	16.66	0	0	0	0	0	0	75.69
PCN 704	7	90	37.61	263.78	0	6664.82	723.4	91.79	69690	0	1168.88	0	0	17.79	0	0	0	0	0	0	69.02
PCN 705	7	90	32.68	513.19	0	6330.7	495.78	120.55	43442.2	0	1144.76	0	0	21.41	0	58.89	7.6	181.44	0	0	80.75
PCN 706	7	90	33.03	334.97	0	7297.17	404.01	103.89	44403.6	0	909.95	0	0	17.06	0	0	0	0	0	0	70.8
PCN 707	7	90	53.86	394.89	0	5162.72	405.93	123.39	48868.4	0	1229.41	0	0	17.5	0	47.82	7.96	160.56	0	0	58.12
PCN 708	7	90	35.87	417.05	0	6868.79	520.62	107.86	48583.4	0	1205.42	10.73	0	0	0	66.63	0	194.34	0	0	63.92
PCN 709	7	90	40.22	453.07	0	6717.26	467.14	90.41	41538.6	0	1167.96	0	0	15.87	0	54.37	0	161.14	0	0	85.63
PCN 710	7	90	33.2	411.48	0	6186.25	335.57	99.24	42726.9	0	1124.25	0	0	0	0	33.82	0	128.11	0	0	86.28
PCN 711	7	90	34.54	569.85	0	5227.78	374.08	114.13	41581.5	0	1020.95	0	0	17.37	0	93.01	0	344.65	0	0	61.34
PCN 712	7	90	31.63	248.06	0	5602.5	384.26	100.33	38720	0	1184.08	10.54	0	21.48	0	0	0	0	0	0	69.97
PCN 713	7	90	31.46	417.36	0	5941.32	890.82	129.39	70950.7	0	819.58	11.64	0	21.71	0	40.78	0	158.74	0	0	62
PCN 714	7	90	25.87	402.19	0	6572.61	651.79	86.48	39843.2	0	750.83	9.83	0	17.09	0	56.97	0	0	0	0	60.16
PCN 715	7	90	35.04	324.69	0	5897.3	480.41	89.75	51737.3	0	943.81	0	0	18.11	0	43.33	0	139.75	0	0	69.49
PCN 716	7	90	61	390.45	0	6174.69	827.26	93.47	52106.4	0	967.2	9.46	0	26.56	0	41.82	0	152.19	0	0	51.28

Sample Number	Number of readings	Average Duration	Niton value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 2000	1	90	LOD	657.48	LOD	7698.06	LOD	LOD	12901.81	LOD	444.3	LOD	LOD	LOD	LOD	93.63	LOD	336.56	LOD	LOD	38.55
PCS 2001	1	90	LOD	456.37	LOD	11104.01	LOD	LOD	18988.19	LOD	661.47	LOD	LOD	24.05	LOD	47.74	LOD	136.79	LOD	LOD	68.86
PCS 2002	1	90	LOD	527.37	LOD	4641.59	LOD	LOD	14668.5	LOD	376.37	LOD	LOD	20.34	LOD	72.58	LOD	273.56	LOD	LOD	34.76
PCS 2003	1	90	LOD	595.09	LOD	3912.63	LOD	LOD	16626.61	LOD	446.88	16.03	LOD	LOD	LOD	95.54	LOD	319.53	LOD	LOD	43.64
PCS 2004	1	90	LOD	556.42	LOD	12957.35	LOD	LOD	24014.04	LOD	648.19	LOD	LOD	21.89	LOD	72.31	LOD	195.48	LOD	LOD	60.83
PCS 2005	1	90	LOD	568.39	LOD	16486.33	LOD	LOD	22072.88	LOD	614.51	LOD	LOD	LOD	LOD	42.03	LOD	148.86	LOD	LOD	45.41
PCS 2006	1	90	LOD	LOD	LOD	8250.06	LOD	LOD	28345.33	LOD	584.76	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	69.95
PCS 2007	1	90	14.95	417.29	LOD	6970.04	LOD	LOD	41366.64	LOD	719.31	LOD	LOD	LOD	LOD	58.98	LOD	175.23	LOD	LOD	59
PCS 2008	1	90	26.12	291.1	LOD	9933.51	LOD	63.57	44385.23	LOD	520.65	LOD	LOD	12.92	LOD	LOD	LOD	LOD	LOD	LOD	67.29
PCS 2009	1	90	11.21	414.95	LOD	1892.38	LOD	LOD	20113.77	LOD	427.55	LOD	LOD	LOD	LOD	57.86	LOD	139.25	LOD	LOD	37.24
PCS 2010	1	90	30.55	521.47	LOD	548.37	LOD	LOD	29270.57	LOD	330.41	15.29	LOD	LOD	LOD	80.65	LOD	268.72	LOD	LOD	31.3
PCS 2011	1	90	48.04	432.61	LOD	4161.38	LOD	LOD	49483.32	LOD	474.15	LOD	LOD	LOD	LOD	58.1	LOD	177.62	LOD	LOD	56.69
PCS 2012	1	90	39.66	444.34	LOD	7493	LOD	103.31	48124.65	LOD	1056.36	11.31	LOD	LOD	LOD	67.26	LOD	178.71	LOD	LOD	100.1
PCS 2013	1	90	52.46	439.97	LOD	1604.8	LOD	106.31	39898.05	LOD	705.49	LOD	LOD	25.88	LOD	75.45	LOD	226.4	LOD	LOD	47.11
PCS 2014	1	90	38.39	254.7	LOD	4056.47	301.84	49.94	35805.5	LOD	805.05	15.48	LOD	43.98	LOD	LOD	LOD	LOD	LOD	LOD	81.04
PCS 2015	1	90	44.63	228.55	LOD	4270.67	LOD	81.68	46231.66	LOD	1085.46	LOD	LOD	36.87	LOD	LOD	9.86	LOD	LOD	LOD	124.13
PCS 2016	1	90	38.66	370.03	LOD	1210.65	LOD	65.52	51654.96	LOD	826.77	11.99	LOD	25.08	LOD	LOD	LOD	130.79	LOD	LOD	77.87
PCS 2017	1	90	15.36	401.44	LOD	3143.89	LOD	LOD	32052.2	LOD	761.27	LOD	LOD	LOD	LOD	45.55	LOD	133.38	LOD	LOD	61.33
PCS 2018	1	90	22.42	286.79	LOD	2690.08	LOD	49.73	36628.53	LOD	630.48	LOD	LOD	18.28	LOD	LOD	LOD	LOD	LOD	LOD	68.3
PCS 2019	1	90	23.31	341.07	LOD	13206.2	LOD	40.84	33587.98	LOD	800.63	LOD	LOD	20.42	LOD	LOD	LOD	LOD	LOD	LOD	48.64
PCS 2020	1	90	37.78	391.63	LOD	3631.64	LOD	50.77	46470.6	LOD	395.02	13.5	LOD	43.07	LOD	44.67	LOD	120.74	LOD	LOD	LOD
PCS 2021	1	90	49.03	337.13	LOD	8849.69	LOD	72.08	36239.48	LOD	889.07	LOD	LOD	34.7	19963.72	LOD	LOD	LOD	LOD	LOD	40.93
PCS 2022	1	90	53.64	276.28	LOD	8549.28	331.58	46.07	36832.41	LOD	796.28	LOD	LOD	20.63	LOD	LOD	8.06	LOD	LOD	LOD	46.5
PCS 2023	1	90	53.65	211.3	LOD	7816.7	LOD	76.5	36684.32	LOD	609.96	12.28	LOD	24.65	LOD	LOD	LOD	LOD	LOD	LOD	55.46
PCS 2024	1	90	46.91	379.2	LOD	5945.66	LOD	56.95	32934.37	LOD	551.89	LOD	LOD	27.52	LOD	LOD	7.81	LOD	LOD	LOD	54.47
PCS 2025	1	90	53.04	485.51	LOD	1922.12	314.37	LOD	41090.3	LOD	753.78	LOD	LOD	33.02	LOD	LOD	LOD	166.64	LOD	LOD	55.83
PCS 2026	1	90	48.48	349.23	LOD	528.94	LOD	62.58	42322.54	LOD	557.38	11.43	LOD	30.44	LOD	37.62	LOD	157.61	LOD	LOD	45.78
PCS 2027	1	90	59.4	423.62	LOD	17469.52	LOD	61.33	36763.39	LOD	1171.54	LOD	LOD	18.2	LOD	LOD	7.62	78.67	LOD	LOD	69.61
PCS 2028	1	90	60.34	508.26	LOD	7965.91	LOD	51.46	56593.26	LOD	827.31	LOD	LOD	32.34	LOD	37.47	7.08	164.34	LOD	LOD	68.4
PCS 2029	1	90	46.45	365.75	LOD	1829.94	LOD	69.94	45082.41	LOD	727.84	LOD	LOD	45.24	LOD	LOD	6.99	99.1	LOD	LOD	69.23
PCS 2030	1	90	37.25	519.69	LOD	2070.74	LOD	LOD	41109.57	LOD	318.19	LOD	LOD	120.01	LOD	LOD	8.56	140.3	LOD	LOD	46.99
PCS 2031	1	90	35.6	429.27	LOD	1844.19	LOD	68.26	63635.61	LOD	428.49	19.38	LOD	95.13	LOD	47.49	LOD	102.19	LOD	LOD	60.51
PCS 2032	1	90	28.62	641.84	LOD	435.13	LOD	53.47	42781.38	LOD	489.32	LOD	LOD	49.74	LOD	78.22	LOD	203.64	LOD	LOD	56.9
PCS 2033	1	90	22.48	578.15	LOD	6988.82	LOD	64.87	39720.02	LOD	2046.46	LOD	LOD	39.26	LOD	54.86	LOD	197.51	LOD	LOD	99.96
PCS 2034	1	90	31.64	459.95	LOD	14774.68	LOD	42.9	55739.68	LOD	430.97	33.41	LOD	84.96	LOD	42.62	LOD	97.78	LOD	LOD	59.24
PCS 2035	1	90	50.02	510.46	LOD	4460.54	LOD	LOD	40469.73	LOD	484.87	22.38	LOD	86.61	32402.58	52.53	13.41	168.83	LOD	LOD	41.15
PCS 2036	1	90	45.93	680.97	LOD	2011.58	LOD	LOD	39680.08	LOD	284.55	25.25	LOD	66.78	LOD	135.33	LOD	473.95	LOD	LOD	LOD
PCS 2037	1	90	47.69	519.45	LOD	2413.06	LOD	65.64	44248.79	LOD	680.39	15.65	LOD	63.21	LOD	100.64	LOD	315.65	LOD	LOD	LOD
PCS 2038	1	90	39.44	568.64	LOD	4578.21	LOD	41.66	38581.46	LOD	831.03	LOD	LOD	39.66	LOD	70.83	LOD	210.97	LOD	LOD	35.75
PCS 2039	1	90	31.23	521.62	LOD	2317.24	LOD	LOD	34102.61	LOD	384.29	13.58	LOD	26.22	LOD	79.85	LOD	275.78	LOD	LOD	32.56
PCS 2040	1	90	27.78	602.58	LOD	2226.1	LOD	LOD	39401.01	LOD	870.74	LOD	LOD	22.73	LOD	83.97	LOD	265.41	LOD	LOD	48.47
PCS 2041	1	90	40.21	310.98	LOD	1595.34	LOD	55.42	48481.29	LOD	607.36	LOD	LOD	23.04	LOD	30.86	LOD	81.83	LOD	LOD	45.33
PCS 2042	1	90	45.99	322.45	LOD	7133.51	LOD	LOD	30629.04	LOD	669.7	LOD	LOD	24.45	LOD	LOD	LOD	128.01	LOD	LOD	35.48
PCS 2043	1	90	47.6	375.28	LOD	5008.44	LOD	45.77	34723.53	LOD	894.69	LOD	LOD	39.1	LOD	LOD	LOD	111.08	LOD	LOD	39.65

Sample Number	Number of readings	Average Duration	Niton value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 2044	1	90	44.94	422.66	LOD	2812.27	LOD	LOD	44535.13	LOD	936.73	LOD	LOD	28.11	LOD	52.88	LOD	170.53	LOD	LOD	LOD
PCS 2045	1	90	33.61	194.04	LOD	3206.08	LOD	61	40004.58	LOD	221.85	10.37	LOD	LOD	LOD	LOD	9.94	LOD	LOD	LOD	37.79
PCS 2046	1	90	24.74	192.55	LOD	3116.99	LOD	LOD	32123.64	LOD	177.44	14.8	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 2047	1	90	37.18	350.51	LOD	5239.42	LOD	LOD	40391.48	LOD	673.06	15.85	LOD	29.94	18368.72	57.59	10.76	181.1	LOD	LOD	LOD
PCS 2048	1	90	20.5	LOD	LOD	12768.72	LOD	50.47	21005.19	LOD	383.47	11.63	LOD	20.22	LOD	LOD	6.53	LOD	LOD	LOD	21.15
PCS 2049	1	90	26.9	361.65	LOD	7813.53	LOD	69.35	55821.54	LOD	679.26	9.8	LOD	17.81	LOD	56.08	LOD	139.19	LOD	LOD	55.04
PCS 2050	1	90	30.19	415.97	LOD	7022.16	LOD	38.05	44940.68	LOD	618.76	LOD	LOD	LOD	LOD	LOD	LOD	143.66	LOD	LOD	35.97
PCS 2051	1	90	32.2	411.21	LOD	5076.56	LOD	46.19	56839.91	LOD	522.47	LOD	LOD	LOD	LOD	40.84	11.11	110.36	LOD	LOD	41.22
PCS 2052	1	90	27.54	522.93	LOD	2912.85	LOD	67.19	48735.64	LOD	568.01	21.53	LOD	28.03	LOD	66.15	LOD	229.2	LOD	LOD	LOD
PCS 2053	1	90	41	426.35	LOD	4579.38	LOD	72.91	53747.73	LOD	507.13	LOD	LOD	LOD	LOD	66.37	9.89	204.07	LOD	LOD	70.42
PCS 2054	1	90	38.2	280.3	LOD	1437.49	LOD	124.67	62686.12	LOD	601.29	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	150.87
PCS 2055	1	90	20.73	LOD	LOD	14449.19	LOD	67.47	40570.06	LOD	447.24	LOD	LOD	20.92	LOD	LOD	7.53	LOD	LOD	LOD	78.79
PCS 2056	1	90	38.44	265.69	LOD	15046.02	486.13	LOD	65234.46	LOD	774.95	LOD	LOD	20.21	30979.4	LOD	LOD	LOD	LOD	LOD	52.5
PCS 2057	1	90	34.37	685.64	LOD	2744.99	LOD	80.07	60687.7	LOD	314.14	LOD	LOD	27.47	LOD	117.9	9.6	382.98	LOD	LOD	25.87
PCS 2058	1	90	LOD	605.39	LOD	1096.67	LOD	LOD	51864.84	LOD	776.29	LOD	LOD	LOD	LOD	102.94	LOD	392.81	LOD	LOD	42.01
PCS 2059	1	90	17.2	321.04	LOD	14297.3	LOD	96.52	58001.14	LOD	1015.39	LOD	LOD	LOD	LOD	38.1	LOD	LOD	LOD	LOD	79.64
PCS 2060	1	90	LOD	146.46	LOD	10374.23	LOD	77.06	38298.66	LOD	669.92	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	57.41
PCS 2061	1	90	LOD	379.09	LOD	105043.8	LOD	LOD	23894.61	LOD	396.85	LOD	LOD	18.12	LOD	85.23	LOD	245.03	LOD	LOD	58.85
PCS 2062	1	90	LOD	544.24	LOD	3112.01	LOD	53.38	40242.52	LOD	907.03	LOD	LOD	23.47	LOD	62.78	LOD	171.69	LOD	LOD	51.19
PCS 2063	1	90	LOD	461.27	LOD	18048.26	LOD	50.44	39654.66	LOD	1085.94	LOD	LOD	LOD	LOD	45.45	LOD	127.26	LOD	LOD	75.5
PCS 2064	1	90	LOD	431.67	LOD	25145.79	LOD	69.1	48652.72	LOD	1409.13	LOD	LOD	23.26	LOD	30.5	LOD	113.97	LOD	LOD	93.05
PCS 2065	1	90	LOD	572.02	LOD	32944.96	LOD	81.22	46750.91	LOD	964.64	LOD	LOD	LOD	LOD	57.8	LOD	160.17	LOD	LOD	58.82

Sample Number	Number of readings	Average Duration	Niton error																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 2000	1	90	11	48.32	51.87	436.37	174.36	41.25	406.54	14.96	113.57	9.05	76.93	13.66	11637.72	21.3	6.43	59.08	19.98	101.22	16.43
PCS 2001	1	90	12.61	43.88	45.96	520.63	221.54	45.12	509.45	15.95	138.1	9.78	90.73	11.29	11659.2	19.34	6.16	53.18	20.04	94.27	19.83
PCS 2002	1	90	14.58	54.52	51.79	348.91	224.12	54.13	521.97	21.57	131.49	11.37	113.89	12.85	10395.96	24.25	9.67	67.41	22.39	147.81	20.96
PCS 2003	1	90	15.04	75.87	81.89	323.58	263.43	69.56	604.83	25.8	154.59	8.64	126.75	20.19	10178.8	33.87	10.39	93.55	24	172.59	25.08
PCS 2004	1	90	11.91	67.41	42.72	578.84	229.96	39.24	541.75	15.07	130.93	9.13	78.31	10.41	15544.18	29.77	6.16	81.21	19.17	105.05	18.61
PCS 2005	1	90	9.15	44.29	32.06	686.37	190.19	31.02	449.97	11.2	110.29	7.53	66.98	10.87	16371.56	18.93	4.7	52.56	16.81	72.85	13.78
PCS 2006	1	90	10.63	55.34	44.45	514.1	234.61	38.76	553.71	12.84	119.75	8.36	77.16	12.16	17259.16	25.41	5.33	70.73	15.29	75.4	17.36
PCS 2007	1	90	9.49	47.49	51.47	454.36	348.15	53.88	817.51	18.62	165.25	10.58	107.73	15.18	13124.58	21.33	8.28	58.67	21.07	126.49	21.86
PCS 2008	1	90	8.81	44.32	33.93	592.65	289.61	27.28	683.28	13.49	119.74	8.28	79.5	8.49	17994.88	29.67	5.14	81.75	15.33	86.2	17.4
PCS 2009	1	90	6.75	41.49	32.8	215.42	192.67	34.53	444.18	13.03	100.31	7.73	71.2	11.08	6518.04	18.62	5.11	50.8	14.41	82.08	13.8
PCS 2010	1	90	11.33	50.4	56.42	138.23	297.16	51.41	689.06	17.56	125.89	7.46	102.28	15.93	4863.18	22.54	8.87	62.34	18.65	115.91	17.94
PCS 2011	1	90	11.65	43.05	52.38	413.7	344.21	45.87	811.43	15.27	133.9	9.54	94.68	14.42	15974.21	19.3	7.81	53.05	16.32	92.43	18.39
PCS 2012	1	90	10.74	42.38	44.06	506.08	335.98	34.57	784.21	16.53	169.73	6.36	90.46	13.84	15287.77	19.05	7.08	52.1	16.94	108.59	22.75
PCS 2013	1	90	13.18	50.01	54.24	204.98	315.68	36.82	742.37	17.02	149.84	9.89	94.48	11.61	6675.93	22.63	7.42	62.28	18.18	112.86	18.66
PCS 2014	1	90	13.03	45.09	47.08	398.59	200.19	31.31	686.64	17	152.08	6.6	94	13.16	14287.5	30.47	7.35	84.56	17.4	119.06	21.69
PCS 2015	1	90	11.83	38.93	46.78	456.26	302.24	28.89	705.08	13.08	155.3	8.61	78.69	11.51	17043.09	26.08	4.74	73.05	16.94	76.06	21.71
PCS 2016	1	90	12.44	50.5	53.58	187.53	372.94	34.66	864.77	17.47	166.43	6.83	99.23	11.67	8832.74	33.31	7.15	62.31	18.8	105.9	21.89
PCS 2017	1	90	7.64	36.3	33.39	267.7	241.02	34.73	559.78	13.55	126.09	7.78	71.08	12.43	6413.04	16.15	5.57	44.51	17.47	81.82	16.28
PCS 2018	1	90	9.84	44.61	50.32	249.41	286.29	29.47	671.26	15.32	134.59	9.3	84.98	10.29	6609.02	29.26	7	82.45	19.61	97.7	19.23
PCS 2019	1	90	8.77	53	43.53	636.57	245.37	23.58	567.24	12.16	128.1	7.66	71.87	9.04	19800.22	34.51	5.44	95.67	15.13	81.6	14.86
PCS 2020	1	90	13.44	48.35	60.78	381.68	342.42	32.44	804.74	17	129.16	6.74	93.16	13.62	13142.64	21.57	7.93	59.22	17.29	105.36	22.96
PCS 2021	1	90	12.1	46.98	45.88	528.93	274.15	29.03	635.65	13.59	144.64	8.63	82.05	11.27	12762.81	31.23	6.14	86.53	15.42	82.72	15.1
PCS 2022	1	90	11.31	40.43	47.09	543.89	182.34	25.82	624.18	13.77	135.21	8.6	77.82	9.72	17425.28	27.1	4.52	74.58	14.16	80.97	15.23
PCS 2023	1	90	11.86	41.56	47.41	515.34	278.51	29.7	643.23	15.05	128.2	6.06	79.91	10.23	17637.77	28.07	5.83	78.5	15.83	98.09	17.37
PCS 2024	1	90	11.24	45.82	42.64	465.5	254.6	26.58	587.58	12.68	118.05	8.39	76.42	10.4	15693.33	29.65	4.61	83.42	15.33	81.51	15.95
PCS 2025	1	90	12.16	62.61	51.39	220.56	194.74	37.37	670.4	13.12	137.2	8.65	77.79	11.08	6052.54	40.55	7.02	76	15.8	91.5	16.76
PCS 2026	1	90	13.1	48.55	53.28	147.32	328.24	33.1	762.28	16.39	139.5	6.65	89.68	11.84	7840.54	21.73	6.68	60.6	17.16	116.37	18.62
PCS 2027	1	90	11.52	37.49	43.5	685.79	268.16	27.09	625.5	12.91	156.87	8.38	74.47	9.48	16721.83	24.37	4.62	45.05	14.18	83.56	17.58
PCS 2028	1	90	12.96	45.74	43.99	541.46	348.98	28.2	812.75	13.92	151.07	8.65	86.78	11.4	15364.7	19.73	4.63	55.22	14.55	82.31	18.15
PCS 2029	1	90	12.17	45.21	46.17	229	293.36	27.33	685.13	12.66	133.1	8.47	75.84	11.95	6903.96	29.94	4.36	55.34	15.34	76.74	17.13
PCS 2030	1	90	16.45	47.13	57.45	365.2	297.61	42.61	704.96	15.07	113.06	9.26	86.61	18.53	15449.04	30.24	5.25	56.4	15.8	97.21	16.82
PCS 2031	1	90	17.53	54.54	65.89	347.5	429.19	37.9	1010.65	19.41	150.14	7.51	110.03	19.35	13893.78	24.16	8.66	65.92	20.7	115.66	21.45
PCS 2032	1	90	12.73	51.6	56.17	154.51	318.88	31.05	744.6	16.22	131.03	9.4	92.86	13.66	6790.27	22.46	7.19	61.22	18.35	105.51	18.78
PCS 2033	1	90	10.4	48.89	41.49	518.2	273.04	26.95	646.59	13.2	196.63	8.4	70.46	11.37	16817.54	21.11	5.82	58.64	17.22	78.27	19.82
PCS 2034	1	90	13.79	47.83	43.66	711.79	337.3	26.28	785.36	13.49	121.35	6.53	79.12	15.36	21071.58	20.95	6.62	57.32	18.59	83.28	16.89
PCS 2035	1	90	15.13	49.51	41.96	448.18	287.39	37.79	681.67	14.21	122.47	6.38	75.35	16.03	14366.91	21.65	5.63	59.83	17.56	87.7	15.48
PCS 2036	1	90	20.74	69.74	86.01	278.16	427.82	72.56	993.87	26.51	158.77	9.67	151.87	21.46	9444.94	31.52	12.96	87.54	25.92	172.93	33.45
PCS 2037	1	90	16.89	53.15	59.98	327.05	370.66	39.49	868.46	19.16	166.66	7.55	108.5	17.19	12735.8	24.2	9.72	66.52	18.23	123.9	23.96
PCS 2038	1	90	11.68	40.34	42.81	454.19	280.37	26.08	649.92	12.96	140.08	8.54	80.28	11.56	16414.82	17.71	6.42	48.7	16.27	82.03	14.31
PCS 2039	1	90	14.09	58.28	65.95	300.76	359.63	63.68	819.24	21.9	147.8	8.09	128.05	14.09	12088.18	26.06	9.16	72.22	20.52	135.13	20.62
PCS 2040	1	90	9.37	56.18	40.96	239.11	270.5	34.84	624.16	13.23	136.16	7.98	72.16	9.42	8455.37	24.8	5.47	68.28	14.06	85.87	15.27
PCS 2041	1	90	10.41	39.46	39.18	217.1	302.79	26.03	705.22	13.31	124.85	8.27	76.91	9.67	8217.93	17.7	5.86	48.7	15.75	83.9	15.13
PCS 2042	1	90	10.49	54.71	39.2	512.84	235.74	34.53	545.22	12.03	120.33	8	66.26	9.4	16048.27	36.51	5.06	68.22	13.93	78.03	13.49
PCS 2043	1	90	11.9	45.28	44.88	460.8	260.07	25.76	603.78	14.23	140.05	8.29	79.59	11.31	18519.3	29.79	6.08	55.51	14.81	85.39	14.7

Sample Number	Number of readings	Average Duration	Niton error																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 2044	1	90	12.06	49.32	52.73	384.03	320.88	42.35	738.17	15.16	158.29	9.25	90.13	11.19	14798.78	22	7.53	60.82	15.67	104.21	20.86
PCS 2045	1	90	9.14	38.65	42.47	267.57	277.03	26.36	641.5	11.95	95.08	5.6	69.16	12.65	7469.24	26.23	4.78	72.51	14.88	84.96	14.41
PCS 2046	1	90	11.11	43.98	59.55	331.76	306.43	51.31	713.89	18.38	110.07	7.14	99.26	16.76	12425.95	30	8.24	83.14	17.68	103.73	23.28
PCS 2047	1	90	14.14	50.2	69.74	390.21	359.71	54.92	840.91	19.4	168.77	7.65	103.17	14.01	10555.81	22.87	6.92	63.03	18.41	130.91	26.17
PCS 2048	1	90	8.71	42.99	38.06	570.66	195.58	25.11	458.44	11.57	98.14	5.51	66.34	9.26	14850.05	19.48	4.26	54.39	13.47	80.88	12.11
PCS 2049	1	90	9.94	44.84	49.52	526.27	344.08	30.12	813.24	14.25	142.34	6.03	85.34	9.91	18533.26	20.35	7.09	55.58	16.52	88.53	17.28
PCS 2050	1	90	8.54	41.51	38.16	542.57	283.48	24.08	667.59	12.76	123.06	7.9	76.55	11.74	17262.04	27.06	6.07	50.87	14.27	86.61	14
PCS 2051	1	90	9.51	59.9	39.32	504.94	329.23	25.82	777.38	13.55	125.52	8.4	77.19	13.68	20367.26	26.53	5.01	72.87	16.02	83.4	14.9
PCS 2052	1	90	13	63.53	63	345.78	391.82	40.17	917.58	18	161.42	7.79	113.52	13.38	13062.4	28.09	8.92	77.79	18.98	127.29	27.55
PCS 2053	1	90	11.37	44.18	44.95	427	368.16	34.25	860.71	15.08	141.83	9.89	101.99	15.08	13384.8	19.97	5.8	54.88	18.33	100.6	20.44
PCS 2054	1	90	11.22	60.36	52.39	199.92	389.27	37.08	912.94	14.93	148.45	9.49	94.23	15.23	5969.37	40.19	7.25	112.01	18.51	99.89	26.82
PCS 2055	1	90	9.88	50.49	30.59	618.48	302.45	31.48	712.43	15.35	124.66	9.15	90.82	10.56	16375.22	23.01	5	64.46	16.11	93.28	20.06
PCS 2056	1	90	10.58	36.49	51.15	726.71	246.61	39.11	850.55	13.61	145.7	8.51	84.94	9.79	16845.45	24.46	6.41	66.86	16.85	85.71	16.43
PCS 2057	1	90	12.68	62.38	62.25	382.94	408.4	36.8	956.13	17.02	134.2	10.21	100.07	12.54	17353.99	27.82	5.93	76.7	19.28	103.59	16.42
PCS 2058	1	90	21.93	68.13	86.59	163.99	474.31	78.57	1140.47	28.25	217.96	13.3	152.87	23.27	6197.68	30.53	11.47	85.24	27.14	186.91	27.08
PCS 2059	1	90	9.42	50.72	50.54	633.77	378.6	35.6	886.98	16.64	174.41	9.52	97.4	15.31	15879.27	22.83	8.26	93.51	18.85	104.24	21.5
PCS 2060	1	90	11.74	57.22	39.38	547.39	286.93	30.83	674.12	14.19	135.59	8.69	82.29	13.53	16396.04	39.52	6.3	107.99	15.84	93.74	17.77
PCS 2061	1	90	14.72	58.99	56.25	1458.43	265.57	52.94	631.18	18.89	131.88	10.64	95.7	11.84	21615.54	27.31	7.72	74.8	24.12	129.91	22.43
PCS 2062	1	90	12.57	43.64	36.85	263.83	309	30.21	711.73	15.51	156.93	8.99	89.11	10.93	6040.87	19.13	6.6	52.4	20.53	93.85	17.61
PCS 2063	1	90	12.36	49.93	50.98	703.36	303.33	29.97	708.15	14.66	166.85	9.16	85.33	14.59	17824.34	21.93	6.08	60.29	21.3	92.03	19.91
PCS 2064	1	90	13.23	39.72	40.46	823.26	328.77	30.36	763.02	14.3	182.5	8.89	88.73	10.5	19519.56	17.33	5.82	48.09	21.11	90.36	20.9
PCS 2065	1	90	11.95	40	37.48	933.26	304.77	29.5	719.17	14.27	152.14	8.28	79.96	13.86	19757.08	17.33	6.4	47.58	19.17	87.41	17.18

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1001	1	90	3.3		0.04		23.8	95	46600	0.01	836	0.21	19	8	200	0.14	0.5	0.01	0.66	-0.05	73
PCS 1002	1	90	3.9		0.06		21.9	73	48000	0.01	792	0.29	27	8	200	0.16	0.5	0.02	0.83	-0.05	69
PCS 1003	1	90	3.1		0.09		21.4	63	45700	0.01	854	0.34	9	15	200	0.23	0.5	0.02	1.02	-0.05	61
PCS 1004	1	90	3		0.09		20.4	51	46300	0.01	788	0.45	11	14	200	0.2	0.5	0.02	0.96	-0.05	55
PCS 1005	1	90	2.5		0.06		21.1	97	49500	0.01	868	0.29	15	9	200	0.13	0.6	0.02	0.77	-0.05	73
PCS 1006	1	90	2.3		0.04		15.4	31	42300	0.01	889	0.39	2	14	200	0.17	0.4	0.01	1.08	-0.05	66
PCS 1007	1	90	2.8		0.04		26.7	60	57100	0.01	1215	0.31	10	10	200	0.14	0.5	0.02	0.68	-0.05	77
PCS 1008	1	90	2.3		0.06		22.3	70	62900	0.01	1025	0.27	10	10	300	0.09	0.6	0.02	0.88	-0.05	76
PCS 1009	1	90	5.2		0.04		19.4	60	51700	0.01	1030	0.32	10	8	200	0.24	0.6	0.03	1.13	0.05	82
PCS 1010	1	90	3.6		0.05		27.9	90	58200	0.02	1090	0.3	19	9	300	0.09	0.6	0.02	0.86	-0.05	73
PCS 1011	1	90	2.2		0.06		26	91	57500	0.01	892	0.23	15	10	200	0.11	0.5	0.03	0.74	-0.05	70
PCS 1012	1	90	1.9		0.05		27.6	93	64600	0.01	966	0.11	28	9	200	0.09	0.4	0.02	0.4	-0.05	63
PCS 1013	1	90	4.3		0.06		20.8	79	51500	0.02	893	0.17	13	11	200	0.15	0.5	0.02	0.67	-0.05	55
PCS 1014	1	90	4.8		0.07		20.8	61	42800	0.02	649	0.32	9	12	200	0.2	0.6	0.02	0.86	-0.05	47
PCS 1015	1	90	5.7		0.08		22	62	44500	0.02	1105	0.43	7	15	200	0.22	0.5	0.02	0.88	-0.05	47
PCS 1016	1	90	5.6		0.07		17.5	54	38800	0.01	671	0.42	5	12	200	0.23	0.5	0.02	1	-0.05	53
PCS 1017	1	90	3.6		0.05		12.9	35	36700	0.02	676	0.36	7	12	200	0.19	0.5	0.02	0.98	0.12	65
PCS 1018	1	90	4.5		0.03		16.6	53	45600	0.02	853	0.26	11	6	100	0.19	0.5	0.02	0.99	-0.05	82
PCS 1019	1	90	2.9		0.03		13.9	34	32200	0.01	565	0.16	4	16	200	0.44	0.3	0.01	1.21	-0.05	47
PCS 1020	1	90	5.2		0.06		6.6	31	28500	0.01	302	0.27	3	16	200	0.23	0.3	0.01	1.08	-0.05	37
PCS 1021	1	90	2.5		0.02		10.9	30	31800	0.01	820	0.13	3	13	200	0.19	0.3	0.01	1.16	-0.05	75
PCS 1022	1	90	6.6		0.09		7.2	30	22600	0.02	509	0.15	3	14	200	0.3	0.5	0.01	1.08	-0.05	50
PCS 1023	1	90	90		0.05		15	80	42900	0.04	656	1.14	4	11	300	0.72	0.5	0.01	0.92	-0.05	56
PCS 1024	1	90	8.4		0.04		15.5	51	39600	0.02	784	0.41	3	10	200	0.23	0.5	0.01	1.32	-0.05	58
PCS 1025	1	90	9.7		0.07		18.6	67	47800	0.04	1015	0.22	12	11	200	0.27	0.6	0.03	1.59	0.11	82
PCS 1026	1	90	4.1		0.08		24.9	72	51600	0.02	1305	0.24	15	8	200	0.16	0.6	0.02	0.96	-0.05	84
PCS 1027	1	90	6.8		0.06		20.6	56	46500	0.01	989	0.36	8	9	200	0.26	0.5	0.02	0.84	-0.05	68
PCS 1028	1	90	9.3		0.07		23.2	67	47500	0.02	786	0.33	9	10	300	0.22	0.6	0.02	0.84	-0.05	59
PCS 1029	1	90	8.5		0.08		23.5	63	50200	0.02	989	0.35	9	10	200	0.22	0.5	0.02	0.79	-0.05	60
PCS 1030	1	90	20.4		1.16		22.2	86	60700	0.04	731	1	10	13	1000	0.24	1.9	0.49	0.53	-0.05	47
PCS 1031	1	90	22.7		1.06		27.2	70	69100	0.03	838	1.97	8	16	900	0.46	3.1	0.71	0.43	-0.05	43
PCS 1032	1	90	24.6		0.72		28.7	91	57100	0.04	930	1.53	8	14	700	0.29	2.2	0.48	0.55	-0.05	51
PCS 1033	1	90	20.5		0.78		21.3	75	51700	0.06	892	0.61	13	9	800	0.3	1.8	0.23	0.66	-0.05	74
PCS 1034	1	90	26.5		2.43		4.2	40	42800	0.02	183	30.3	2	33	2000	0.54	3.4	0.91	0.39	-0.05	9
PCS 1035	1	90	29.1		10.4		7.3	35	37100	0.06	233	20.4	4	25	2800	0.41	2.9	0.79	0.3	-0.05	14
PCS 1036	1	90	24.7		1.12		29	86	58500	0.05	635	1.67	9	14	1200	0.4	3	0.71	0.58	-0.05	46
PCS 1037	1	90	29.4		1.16		6.6	65	59000	0.03	292	1.59	4	12	1800	0.38	6.9	1.14	0.33	-0.05	25
PCS 1038	1	90	24.8		1.47		12	45	52800	0.03	516	1.03	5	11	2000	0.47	2.6	1.11	0.3	-0.05	26
PCS 1039	1	90	24.3		0.96		11.5	88	59000	0.04	133	0.84	5	8	3600	0.25	4	0.74	0.3	-0.05	25
PCS 1040	1	90	42.9		1.01		4.3	64	72300	0.01	53	1.37	1	9	11200	0.24	8.5	1.21	0.19	-0.05	12
PCS 1041	1	90	38.4		1.04		10.8	67	66000	0.05	138	1.73	5	13	1200	1.11	7	1.87	0.29	-0.05	30
PCS 1042	1	90	36.1		1.51		3.3	23	68900	0.03	119	2.19	2	11	1900	2.16	3.5	0.98	0.34	-0.05	19
PCS 1043	1	90	61.6		1.32		2.8	26	73200	0.03	84	3.49	1	12	2200	1.19	7.7	2.12	0.19	-0.05	7

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1044	1	90	84.4		1.98		1.5	16	73300	0.02	64	3.16	1	16	1500	2.33	9	3.77	0.14	-0.05	6
PCS 1045	1	90	97.8		1.81		9.9	27	77500	0.04	269	4.39	5	22	1600	2.32	6.7	2.98	0.19	-0.05	15
PCS 1046	1	90	91.5		4.41		4.8	26	90400	0.14	187	3.38	2	27	7000	2.71	7.9	6.35	0.14	-0.05	6
PCS 1047	1	90	51.5		7.07		6.1	23	44400	0.03	245	2.98	3	21	800	1.32	5.5	1.26	0.11	-0.05	9
PCS 1048	1	90	63.5		1.79		4	25	64200	0.04	191	5.68	2	15	1000	1.02	6.3	1.58	0.18	-0.05	11
PCS 1049	1	90	19.1		0.31		28.1	122	74200	0.03	1160	3.74	19	10	200	0.33	2	0.4	0.48	-0.05	96
PCS 1050	1	90	64.7		3.01		6.4	114	69500	0.02	96	18.85	5	13	1000	0.39	20.6	1.3	0.96	-0.05	56
PCS 1051	1	90	43.9		3.21		9.1	67	63700	0.02	209	7.41	3	19	4700	0.39	14.5	0.91	0.45	-0.05	38
PCS 1052	1	90	77.7		5.97		6.9	86	88000	0.02	152	11.4	2	34	1200	1.06	25.5	1.46	0.24	0.16	17
PCS 1053	1	90	46.4		3.43		26.5	45	64500	0.02	778	5.72	5	35	1000	0.66	4.5	0.96	0.51	-0.05	31
PCS 1054	1	90	35.4		5.65		8.3	43	50400	0.02	348	7.54	2	46	1400	0.36	6.9	0.43	0.37	-0.05	28
PCS 1055	1	90	91.1		6.29		1.2	38	50500	0.01	67	4.09	-1	25	3300	0.65	16.3	0.66	0.28	-0.05	6
PCS 1056	1	90	38.4		6.91		1.8	18	33200	0.01	81	3.01	1	26	1300	0.36	7	0.35	0.17	-0.05	6
PCS 1057	1	90	12.8		1.59		23.5	92	53400	0.02	881	1.01	8	11	700	0.32	1.5	0.86	0.5	-0.05	50
PCS 1058	1	90	6.8		0.16		26	80	45200	0.02	1130	0.54	9	8	300	0.2	0.6	0.28	0.5	-0.05	66
PCS 1059	1	90	20.1		0.53		12	38	48100	0.01	435	0.53	6	9	500	0.39	1.9	0.29	0.51	-0.05	44
PCS 1060	1	90	14.7		0.59		20.4	34	42400	0.02	504	0.57	5	12	300	0.15	0.9	0.31	0.68	-0.05	28
PCS 1061	2	90	15.8		0.5		24.5	38	46100	0.02	508	0.52	5	14	500	0.19	1	0.2	1.17	-0.05	30
PCS 1062	1	90	14.3		0.36		31.6	47	43800	0.02	872	0.42	6	13	400	0.09	0.7	0.13	1.15	-0.05	36
PCS 1063	1	90	24.4		0.87		12.8	61	51000	0.02	411	0.75	5	12	500	0.23	1.6	0.54	0.73	-0.05	31
PCS 1064	1	90	26.1		0.48		20	83	58800	0.02	714	1.51	7	10	500	0.21	1.1	0.5	1.08	-0.05	48
PCS 1065	1	90	20.7		0.27		25.2	76	53600	0.02	873	0.93	8	9	400	0.25	0.9	0.33	0.77	-0.05	51
PCS 1066	1	90	43.3		0.15		13.8	54	42000	0.04	575	1.35	7	13	300	0.53	0.5	0.05	0.91	-0.05	44
PCS 1067	1	90	19.7		0.07		6.9	29	28200	0.01	409	0.28	3	15	200	0.4	0.4	0.02	0.74	-0.05	43
PCS 1068	1	90	7.2		0.04		10.7	29	40700	0.01	441	0.39	3	13	200	0.31	0.3	0.02	0.7	-0.05	44
PCS 1069	1	90	8.3		0.05		13.5	42	37800	0.02	687	0.39	6	13	200	0.24	0.4	0.03	0.78	-0.05	54
PCS 1070	1	90	7.9		0.04		6.6	20	38000	0.01	376	0.47	2	14	300	0.33	0.4	0.03	0.89	-0.05	25
PCS 1071	1	90	4.2		0.02		7.6	26	31700	0.01	649	0.21	3	10	200	0.35	0.3	0.02	0.79	-0.05	51
PCS 1072	1	90	4.5		0.04		25.7	54	59400	0.01	951	0.26	20	6	200	0.09	0.5	0.03	0.61	-0.05	68
PCS 1073	1	90	4.2		0.05		20.1	59	38200	0.01	642	0.19	26	8	200	0.11	0.4	0.02	0.85	-0.05	51
PCS 1074	1	90	3.7		0.05		7.8	26	26300	0.01	452	0.18	4	9	200	0.21	0.3	0.02	1.15	-0.05	56
PCS 1075	1	90	8.7		0.1		10.7	27	29700	0.02	518	0.52	6	14	200	0.19	0.4	0.02	0.9	-0.05	47
PCS 1076	1	90	8		0.07		23.1	39	40500	0.02	712	0.32	40	9	200	0.2	0.4	0.02	0.91	-0.05	56
PCS 1077	1	90	4		0.12		11.7	67	30000	0.01	859	0.12	6	16	200	0.16	0.3	0.02	1.09	-0.05	61
PCS 1078	1	90	2.1		0.07		20.4	77	46000	0.02	893	0.53	5	12	300	0.14	0.5	0.03	1.32	-0.05	54
PCS 1079	1	90	2.7		0.05		21.4	55	40800	0.02	957	0.24	5	9	200	0.12	0.4	0.02	1.16	-0.05	59
PCS 1080	1	90	1.8		0.06		18.4	58	40900	0.02	894	0.3	6	9	200	0.11	0.4	0.02	1.05	-0.05	59
PCS 1081	1	90	1.5		0.06		24.1	66	47900	0.01	1000	0.26	11	8	200	0.09	0.4	0.02	0.81	-0.05	65
PCS 1082	1	90	5		0.04		37.2	64	63800	0.02	1265	0.43	33	6	200	0.08	0.4	0.03	0.75	0.09	82
PCS 1083	1	90	4.8		0.06		19.2	52	39400	0.02	1090	0.28	10	8	300	0.18	0.5	0.03	1.03	-0.05	69
PCS 1084	1	90	2.2		0.03		25.8	61	49200	0.02	860	0.8	61	6	200	0.09	0.4	0.03	0.99	-0.05	85
PCS 1085	1	90	3		0.06		23.1	56	46500	0.02	1000	0.28	10	8	200	0.14	0.4	0.03	1	-0.05	68
PCS 1086	1	90	7.3		0.07		13.9	46	31800	0.01	870	0.33	4	9	200	0.19	0.4	0.02	0.96	-0.05	58

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1087	1	90	4		0.05		22.8	59	49000	0.02	1205	0.25	11	8	300	0.14	0.5	0.03	0.72	-0.05	66
PCS 1088	1	90	4.8		0.04		34.3	86	58400	0.02	1220	0.28	33	8	300	0.08	0.4	0.03	0.48	-0.05	70
PCS 1089	1	90	9		0.13		19.8	54	41500	0.02	732	0.32	11	16	300	0.17	0.7	0.08	0.74	-0.05	39
PCS 1090	1	90	6.7		0.1		22.8	50	40100	0.02	1135	0.4	10	13	300	0.22	0.5	0.03	0.82	-0.05	50
PCS 1091	1	90	7.9		0.11		16.2	39	36300	0.02	755	0.37	9	14	300	0.23	0.5	0.03	0.88	-0.05	51
PCS 1092	1	90	13.2		0.18		18.5	49	42100	0.03	934	0.75	8	13	300	0.25	0.6	0.05	0.91	-0.05	67
PCS 1093	1	90	9.8		0.16		16.8	47	38100	0.02	947	0.83	8	11	300	0.19	0.6	0.05	0.85	-0.05	69
PCS 1094	1	90	9.8		0.16		17.6	43	35600	0.03	934	0.79	8	11	300	0.23	0.5	0.05	0.81	-0.05	58
PCS 1095	1	90	3.9		0.09		11.5	47	34200	0.03	524	0.38	5	12	200	0.21	0.5	0.04	0.72	-0.05	41
PCS 1096	1	90	4.6		0.05		24.2	120	62900	0.01	1055	0.3	12	7	300	0.21	0.6	0.03	0.69	0.09	75
PCS 1097	1	90	5.7		0.05		17.2	66	41100	0.01	721	0.3	7	8	300	0.27	0.4	0.03	0.81	-0.05	48
PCS 1098	1	90	2		0.06		23.6	61	49100	0.02	1090	0.36	12	7	300	0.15	0.4	0.04	0.54	-0.05	59
PCS 1099	1	90	3.2		0.1		20.2	67	48500	0.03	819	0.38	14	7	200	0.15	0.5	0.05	0.81	-0.05	61
PCS 1100	1	90	1.7		0.05		12.2	47	34600	0.02	695	0.29	6	8	200	0.14	0.4	0.02	1.05	-0.05	50
PCS 1101	1	90	2.8		0.08		12.3	39	35300	0.02	792	0.4	6	11	300	0.2	0.4	0.02	1.26	-0.05	53
PCS 1102	1	90	4.6		0.03		20	62	40400	0.01	851	0.22	10	6	200	0.17	0.3	0.02	1.01	-0.05	60
PCS 1103	1	90	5.6		0.04		25.9	130	60300	0.04	1050	0.26	11	7	200	0.17	0.5	0.03	0.78	0.07	75
PCS 1104	1	90	6		0.06		24	91	51600	0.02	972	0.26	13	7	200	0.26	0.4	0.04	0.92	0.18	74
PCS 1105	1	90	8.5		0.15		22.8	105	58000	0.06	942	0.31	10	7	300	0.23	0.5	0.12	0.64	-0.05	65
PCS 1106	1	90	5.8		0.1		24.9	113	59800	0.04	1180	0.32	9	8	200	0.35	0.5	0.07	0.7	0.05	71
PCS 1107	1	90	6.1		0.02		27.5	191	68400	0.03	1255	0.34	7	6	200	0.26	0.6	0.03	0.65	0.06	89
PCS 1108	1	90	7.5		0.06		23.6	108	61500	0.02	1170	0.38	8	7	300	0.33	0.5	0.06	0.79	0.05	70
PCS 1109	1	90	15.6		0.06		11.6	48	62800	0.04	460	1.07	4	11	400	0.59	1.5	0.28	0.66	-0.05	41
PCS 1110	1	90	11.4		0.17		23.2	112	58500	0.03	1310	0.22	11	8	300	0.2	0.6	0.07	0.63	-0.05	72
PCS 1111	1	90	5.6		0.11		37.9	74	52900	0.03	1365	0.73	8	13	300	0.32	0.7	0.14	1.18	-0.05	61
PCS 1112	1	90	18.9		0.19		15.5	38	53700	0.15	434	1.53	5	10	600	1.93	1.9	0.52	0.73	-0.05	31
PCS 1113	1	90	8.7		0.11		22.2	177	56700	0.03	1195	0.27	9	5	200	0.49	0.8	0.16	0.55	-0.05	70
PCS 1114	1	90	59.4		0.79		5.1	92	78800	0.02	94	1.84	2	12	5100	0.4	10.3	1.18	0.39	-0.05	24
PCS 1115	1	90	70.1		1.56		12.1	76	93600	0.05	142	1.54	3	12	9000	0.94	6.8	1.7	0.4	-0.05	33
PCS 1116	1	90	67.6		0.8		25	56	98200	0.06	285	2.09	4	15	4300	1.25	6.9	1.94	0.69	-0.05	24
PCS 1117	1	90	38.3		0.25		20.2	37	54300	0.08	806	1.33	5	11	5000	0.9	2.8	1.41	0.75	-0.05	22
PCS 1118	1	90	1.5		0.08		5.9	10	19200	0.01	570	0.36	4	6	200	0.19	0.4	0.04	0.78	-0.05	18
PCS 1119	1	90	31.5		1.05		14.2	61	59600	0.01	451	2.85	5	12	1700	0.34	7.3	0.9	2.8	-0.05	36
PCS 1120	1	90	3		0.1		20.2	22	33900	0.01	953	0.63	8	8	200	0.21	0.5	0.04	1.24	-0.05	50
PCS 1121	1	90	2.2		0.2		8.6	11	17800	0.01	1115	0.76	6	6	300	1.09	0.5	0.07	0.94	0.07	16
PCS 1122	1	90	1.1		0.08		5	6	13800	0.01	933	0.44	6	5	300	1.09	0.3	0.03	0.67	0.07	17
PCS 1123	1	90	1.2		0.08		4.3	5	13500	0.01	383	0.39	4	5	300	1.15	0.2	0.03	0.99	0.07	10
PCS 1124	1	90	2.5		0.22		7.2	10	20200	0.01	603	0.68	5	7	300	1.13	0.5	0.05	1.82	0.09	18
PCS 1125	1	90	60.6		5.58		14.2	30	57100	0.07	658	6.79	3	38	6900	1.48	10.3	1.12	0.36	-0.05	23
PCS 1126	1	90	19		0.33		7.5	53	38400	0.01	184	0.46	4	7	1200	0.88	1.4	0.09	0.85	-0.05	47
PCS 1127	1	90	72.6		3.04		5.1	34	154000	0.02	98	3.58	2	17	600	1.46	4.9	0.83	0.78	-0.05	23
PCS 1128	1	90	86.3		1.6		6.6	40	200100	0.05	120	2.52	-1	12	900	1.05	3	0.5	0.45	-0.05	26
PCS 1129	1	90	64.1		1.19		2.7	23	63000	0.04	88	2.82	1	11	600	1.27	6.5	1.75	0.27	-0.05	6

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1130	1	90	40.4		2.72		4.9	21	47600	0.02	244	4.2	2	14	900	1.29	4.5	1.06	0.21	-0.05	9
PCS 1131	1	90	45.9		2.98		10	37	43400	0.06	500	4.69	5	12	1600	1.11	4.1	1.19	0.25	0.11	23
PCS 1132	1	90	57.5		3.66		2.8	41	48900	0.02	58	2.15	2	15	800	1.21	6.2	0.88	0.32	-0.05	15
PCS 1133	1	90	48.2		4.07		10.7	27	65000	0.07	345	3.45	4	26	2800	4.95	8	2.01	0.2	-0.05	16
PCS 1135	1	90	59.3		2.59		2.3	35	111500	0.02	50	2.4	-1	13	13000	0.78	9.1	1	0.18	-0.05	14
PCS 1136	1	90	34.8		0.69		11.9	55	57900	0.05	355	2.22	3	11	1900	0.9	1.7	0.19	0.78	-0.05	53
PCS 1137	1	90	13.7		0.32		15.3	66	50200	0.03	811	0.87	5	10	700	1.08	0.9	0.12	0.84	-0.05	100
PCS 1138	1	90	23.1		3.13		1.8	38	51800	0.04	84	1.53	2	9	1000	1.25	3.1	0.41	0.23	-0.05	8
PCS 1139	1	90	13.7		1.67		9.4	14	30900	0.11	637	1.48	5	19	6300	1.72	1.4	0.44	0.17	-0.05	14
PCS 1141	1	90	60.9		2.59		1.3	8	47500	0.06	117	3.98	2	18	6800	2.47	5.4	1.06	0.19	-0.05	5
PCS 1142	1	90	39.1		2.1		6.2	40	47500	0.07	284	3.03	5	24	4300	1.44	4.6	1.02	0.36	-0.05	24
PCS 1143	1	90	22.7		1.45		6.9	26	40700	0.03	301	2.45	3	25	3300	0.51	3.5	0.85	0.26	-0.05	22
PCS 1144	1	90	16.4		0.13		23	71	44800	0.02	828	0.43	12	8	300	0.56	1	0.05	1.08	0.2	94
PCS 1145	1	90	42.3		0.14		6.8	74	55700	0.03	215	0.87	4	9	300	0.76	1.3	1.52	0.62	-0.05	72
PCS 1146	1	90	11.7		1.14		8.7	17	33600	0.03	305	0.9	5	19	1600	0.75	0.9	0.19	0.77	-0.05	30
PCS 1147	1	90	9.9		0.26		18.9	40	43200	0.02	807	0.66	9	12	400	0.6	0.9	0.08	1.07	-0.05	79
PCS 1148	1	90	4.7		0.15		8.8	21	23600	0.01	912	0.86	5	13	300	0.2	0.5	0.03	0.66	-0.05	64
PCS 1149	1	90	23.3		11.75		5.3	31	36400	0.03	601	2.41	6	13	3600	0.58	4.6	0.49	1.14	-0.05	39
PCS 1150	1	90	1.8		0.15		6	11	18300	0.01	543	0.41	4	6	300	0.12	0.5	0.03	0.97	0.06	20
PCS 1151	1	90	2.1		0.19		3.3	8	14200	0.01	309	0.31	5	6	300	0.08	0.4	0.03	1.22	-0.05	18
PCS 1152	1	90	1		0.1		4.6	8	12600	0.01	932	0.54	6	5	300	0.08	0.4	0.02	0.86	-0.05	15
PCS 1153	1	90	0.9		0.1		4.7	9	13500	0.01	1010	0.6	7	6	300	0.08	0.4	0.01	1.18	-0.05	17
PCS 1154	1	90	0.8		0.09		4	7	12300	0.01	832	0.34	7	5	300	0.07	0.3	0.01	0.89	0.06	17
PCS 1155	1	90	1.5		0.18		3.4	7	13500	0.01	694	0.7	6	5	300	0.08	0.4	0.01	0.92	-0.05	16
PCS 1156	1	90	1		0.08		1.8	4	12700	-0.01	209	0.34	3	5	300	0.08	-0.2	-0.01	0.85	-0.05	9
PCS 1157	1	90	7.6		0.2		30.5	38	32500	0.01	839	0.73	10	9	400	0.21	0.9	0.07	1.7	0.05	70
PCS 1158	1	90	62.8		3.34		15.3	74	82800	0.04	245	3.97	4	12	3000	1.12	5.8	1.38	1.63	-0.05	37
PCS 1159	1	90	129		7.94		16.4	71	119500	0.24	373	3.36	4	30	2600	2.06	9.8	1.88	1.7	-0.05	42
PCS 1161	1	90	25.5		0.29		14.6	42	50900	0.33	320	2.27	5	10	1300	0.92	2.5	0.31	0.76	-0.05	32
PCS 1162	1	90	24.2		0.63		25.7	49	45000	0.18	371	2.36	4	12	800	0.8	3.1	0.39	1.73	-0.05	31
PCS 1163	1	90	50.6		3.06		8.7	44	63500	0.06	90	4.63	3	16	900	0.8	5.8	1.31	1.32	-0.05	16
PCS 1164	1	90	20.7		0.83		6.6	35	50100	0.05	120	1.76	3	11	400	0.64	1.3	0.49	1.68	-0.05	20
PCS 1165	1	90	14.6		0.66		13	64	48700	0.02	162	1.09	4	11	500	0.29	1.8	0.34	1.61	-0.05	43
PCS 1166	1	90	9.8		0.36		25.2	70	45500	0.03	614	0.8	9	9	400	0.17	1	0.17	1.84	-0.05	55
PCS 1167	1	90	26.1		0.73		7.5	37	49200	0.02	112	2.08	2	9	600	0.53	4.1	0.59	1.3	-0.05	21
PCS 1168	1	90	7		0.27		17.6	66	37500	0.01	711	0.56	10	6	300	0.11	0.6	0.07	0.84	-0.05	53
PCS 1169	1	90	6.5		0.23		20.5	93	48400	0.02	1215	0.61	8	9	300	0.16	0.7	0.14	0.73	-0.05	86
PCS 1170	1	90	4.3		0.04		11	52	29400	0.01	714	0.4	3	7	300	0.23	0.6	0.04	1.14	-0.05	56
PCS 1171	1	90	5.5		0.21		21.6	91	46600	0.03	1065	0.69	8	9	500	0.12	1	0.16	0.96	-0.05	79
PCS 1172	1	90	7.1		0.86		20.7	65	42400	0.01	964	0.69	6	12	300	0.18	0.8	0.15	0.77	-0.05	55
PCS 1173	1	90	9		1.62		24.4	105	61400	0.01	870	0.65	9	9	300	0.16	1.1	0.13	0.84	-0.05	72
PCS 1174	1	90	8.1		1.34		20.8	85	52600	0.01	799	0.54	9	9	300	0.18	0.8	0.1	1	-0.05	55
PCS 1175	1	90	2.7		0.06		15.8	60	33900	0.01	748	0.31	6	8	300	0.13	0.4	0.02	0.96	-0.05	56

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1176	1	90	3.2		0.13		17.3	51	36600	0.01	722	0.63	7	9	300	0.15	0.5	0.02	1.17	-0.05	50
PCS 1177	1	90	2.7		0.09		15.6	54	32700	0.01	561	0.36	6	10	300	0.14	0.6	0.01	0.85	-0.05	53
PCS 1178	1	90	2.5		0.07		17.5	48	34500	0.01	818	0.5	7	10	300	0.14	0.7	0.02	0.67	-0.05	45
PCS 1179	1	90	4.5		0.15		22.1	53	35000	0.02	1120	0.47	8	7	400	0.14	0.6	0.07	0.59	-0.05	51
PCS 1180	1	90	1.7		0.06		16.2	32	25200	0.01	749	0.31	7	6	300	0.09	0.5	0.02	0.64	-0.05	37
PCS 1181	1	90	2.2		0.07		24.8	61	40400	0.02	848	0.3	9	7	300	0.09	0.7	0.02	0.69	-0.05	58
PCS 1182	1	90	1.5		0.05		28.3	72	53200	0.01	1175	0.23	9	7	300	0.06	0.6	0.02	0.63	-0.05	69
PCS 1183	1	90	2		0.04		28.8	84	61100	0.02	1135	0.24	11	6	300	0.05	0.7	0.01	0.79	-0.05	81
PCS 1184	1	90	3		0.05		27.9	109	57800	0.01	882	0.24	21	5	300	0.08	0.7	0.04	0.67	-0.05	71
PCS 1185	1	90	2.7		0.06		30	91	60400	0.01	1100	0.22	12	7	300	0.08	0.6	0.02	0.66	-0.05	73
PCS 1186	1	90	3.3		0.1		14.6	53	29600	0.02	646	0.29	8	10	300	0.18	0.6	0.03	0.84	-0.05	56
PCS 1187	1	90	3.7		0.06		36.3	135	69600	0.02	1105	0.31	26	8	400	0.09	0.8	0.03	0.86	-0.05	86
PCS 1188	1	90	3.3		0.18		14.9	39	34300	0.01	616	0.34	5	12	400	0.27	0.5	0.04	0.91	-0.05	54
PCS 1189	1	90	4.1		0.08		13.3	68	33700	0.01	583	0.2	7	9	200	0.12	0.5	0.03	0.84	-0.05	63
PCS 1190	1	90	11.1		0.1		16.6	55	33400	0.01	769	0.33	8	7	200	0.34	0.6	0.02	1.33	0.1	68
PCS 1191	1	90	11.4		0.11		11.1	40	28200	0.01	449	0.21	4	14	300	0.5	0.4	0.01	0.99	-0.05	47
PCS 1192	1	90	13.8		0.51		26.4	100	55200	0.03	1200	0.69	11	10	300	0.29	1.1	0.34	0.7	-0.05	89
PCS 1193	1	90	12.9		0.47		23.3	94	49500	0.03	1175	0.62	12	9	300	0.28	1.1	0.35	0.66	-0.05	83
PCS 1194	1	90	14.4		0.32		28.5	116	59200	0.08	1165	0.61	12	9	300	0.21	1	0.31	0.7	-0.05	87
PCS 1195	1	90	3.2		0.13		8.7	19	17700	0.01	582	0.4	5	5	200	0.15	0.3	0.03	0.49	-0.05	27
PCS 1196	1	90	0.7		0.03		24.5	51	41300	-0.01	862	0.17	74	5	200	0.09	0.4	0.01	0.39	0.3	74
PCS 1197	1	90	4.7		0.39		15.1	40	57000	-0.01	1100	0.77	1	9	200	0.09	0.6	0.02	0.69	0.13	76
PCS 1198	1	90	2.1		0.1		12.3	22	40500	0.01	893	0.38	3	7	300	0.09	0.5	0.02	0.61	0.08	63
PCS 1199	1	90	1.7		0.13		11.6	22	33700	0.01	542	0.38	7	5	300	0.12	0.5	0.02	0.47	0.06	46
PCS 1200	1	90	1.5		0.06		8.2	16	23200	0.01	772	0.55	5	5	300	0.12	0.6	0.02	0.52	0.08	45
PCS 1201	1	90	2.1		0.08		13.3	22	41500	0.01	734	0.28	11	7	300	0.09	0.6	0.02	0.46	0.05	58
PCS 1202	1	90	1		0.03		19.2	30	38200	0.01	699	0.25	33	4	300	0.06	0.5	0.01	0.41	-0.05	54
PCS 1203	1	90	38.8		0.89		7.8	69	64500	0.03	220	2.45	1	12	7700	0.23	7.5	0.71	0.44	-0.05	26
PCS 1204	1	90	24.3		0.23		15.4	56	47200	0.04	797	1.44	7	10	1200	0.38	2.2	0.37	0.82	-0.05	65
PCS 1205	1	90	20.7		0.07		20.8	54	44800	0.05	940	0.51	9	10	400	0.18	1	0.14	1.15	-0.05	75
PCS 1206	1	90	18.7		0.05		20.8	50	48500	0.04	911	0.38	9	11	300	0.25	0.8	0.03	1.44	-0.05	78
PCS 1207	1	90	25.9		0.06		24.3	53	46100	0.03	1070	0.49	11	9	300	0.26	0.7	0.02	1.23	-0.05	76
PCS 1208	1	90	32		0.16		21	44	43800	0.05	964	0.51	9	13	300	0.42	0.9	0.07	1.12	-0.05	73
PCS 1209	1	90	49		0.18		21.1	42	43900	0.09	902	1.14	12	13	400	0.71	1.1	0.28	0.93	0.05	77
PCS 1210	1	90	13.8		0.17		21.2	45	47900	0.03	1080	2.4	12	13	300	0.29	0.6	0.08	0.84	-0.05	85
PCS 1211	1	90	16.4		0.22		22.1	42	37400	0.02	1165	0.98	10	16	400	0.29	0.7	0.08	0.96	-0.05	76
PCS 1212	1	90	24.5		0.19		21.6	36	39200	0.02	913	1.12	8	15	400	0.41	0.7	0.09	1.04	-0.05	61
PCS 1213	1	90	12.4		0.17		22.3	53	41300	0.02	1035	0.91	8	13	400	0.26	0.8	0.06	0.85	-0.05	62
PCS 1214	1	90	11		0.17		17.9	50	36900	0.02	889	0.67	8	11	300	0.37	0.7	0.03	0.92	-0.05	67
PCS 1215	1	90	13.8		0.19		20.4	53	40800	0.03	1020	0.87	9	13	400	0.36	0.8	0.04	0.96	-0.05	77
PCS 1216	1	90	21.3		0.71		24.9	64	52600	0.02	1135	1.06	9	15	500	0.45	1.3	0.24	0.92	-0.05	73
PCS 1217	1	90	8.1		0.08		22.9	47	56200	0.02	1060	0.43	11	10	300	0.31	0.8	0.02	1.38	-0.05	79
PCS 1218	1	90	7.1		0.07		25.8	49	55700	0.02	1250	0.44	10	11	300	0.31	0.8	0.02	1.5	-0.05	88

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1219	1	90	23		0.13		23.7	44	52300	0.03	1295	1.19	9	10	300	0.4	0.7	0.03	0.99	-0.05	99
PCS 1220	1	90	43.3		0.22		15.5	30	32000	0.06	1180	1.16	6	20	300	0.67	0.5	0.04	1.43	-0.05	60
PCS 1221	1	90	37.7		0.11		21.8	52	53700	0.03	1135	0.91	8	12	300	0.46	0.7	0.02	1.54	0.09	82
PCS 1222	1	90	35.3		0.11		21.2	52	57400	0.07	978	1.74	9	12	300	0.41	0.9	0.02	1.47	0.07	84
PCS 1223	1	90	8.3		0.05		24.2	53	58900	0.03	1230	0.33	10	7	200	0.3	0.7	0.01	1.42	0.1	88
PCS 1224	1	90	18.5		0.05		23.6	51	54100	0.07	1235	1.19	9	8	200	0.31	0.6	0.02	1.14	0.07	90
PCS 1225	1	90	84.9		0.11		25.3	61	57700	0.08	1170	1.69	8	14	300	0.41	0.7	0.02	1.27	0.08	91
PCS 1226	1	90	4.8		0.06		23.5	47	56500	0.02	992	0.34	13	10	200	0.26	0.6	0.02	1.45	-0.05	91
PCS 1227	1	90	12.6		0.25		14.5	34	40300	0.03	823	0.54	7	18	300	0.3	0.6	0.03	1.48	-0.05	69
PCS 1228	1	90	8.3		0.12		21.2	44	42900	0.02	845	0.51	7	11	200	0.23	0.7	0.02	1.24	-0.05	69
PCS 1229	1	90	11.1		0.11		19.7	43	45100	0.02	1105	0.68	8	10	300	0.23	0.7	0.02	1.14	-0.05	91
PCS 1230	1	90	12.1		0.17		20.7	44	40800	0.02	915	1.03	9	12	300	0.32	0.6	0.03	1.03	-0.05	73
PCS 1231	1	90	15.8		0.15		20.1	51	46900	0.03	894	1.03	10	13	400	0.29	0.7	0.03	1.35	0.05	78
PCS 1232	1	90	16.5		0.12		31.1	65	47000	0.01	1280	1.16	11	11	300	0.29	0.6	0.03	0.87	-0.05	64
PCS 1233	1	90	16.4		0.14		26.5	77	48800	0.03	1080	0.93	14	9	400	0.26	0.6	0.05	0.8	-0.05	70
PCS 1234	1	90	7.5		0.06		19.7	76	43100	0.02	1045	0.48	8	10	300	0.21	0.6	0.02	0.92	-0.05	70
PCS 1235	1	90	6.3		0.03		24.2	88	46900	0.01	1075	0.31	8	8	300	0.24	0.5	0.01	1.11	-0.05	64
PCS 1236	1	90	5.8		0.04		21.8	81	42400	0.01	882	0.34	7	9	300	0.2	0.5	0.01	1.03	-0.05	55
PCS 1237	1	90	12.3		0.07		20.3	76	42500	0.02	659	0.81	6	9	400	0.2	0.6	0.01	0.86	-0.05	45
PCS 1238	1	90	4		0.06		18.9	77	43900	0.01	744	0.56	8	9	300	0.18	0.6	0.01	1.26	-0.05	56
PCS 1239	1	90	4.3		0.06		20.9	73	44100	0.02	882	0.59	9	9	300	0.17	0.7	0.02	1.45	-0.05	70
PCS 1240	1	90	5.8		0.09		17.8	73	38900	0.02	614	0.65	7	10	400	0.14	0.9	0.03	0.96	-0.05	57
PCS 1241	1	90	15.8		0.77		22	90	47000	0.03	659	1.97	5	10	900	0.33	2.4	0.36	1.19	-0.05	48
PCS 1242	1	90	23.2		2.61		33.1	95	70400	0.02	794	2.04	8	14	4700	0.42	4.8	0.68	0.77	-0.05	51
PCS 1243	1	90	34.7		2.6		7.8	114	78800	0.02	190	2.09	3	13	3300	0.4	9.7	1.1	0.86	-0.05	40
PCS 1244	1	90	31.8		1.85		10.3	78	72500	0.05	269	1.8	3	10	700	0.48	8.1	0.99	0.8	-0.05	39
PCS 1245	1	90	19.6		1.91		9.6	81	57700	0.02	346	1.87	3	12	700	0.38	4.6	1.03	0.73	-0.05	27
PCS 1246	1	90	33.4		4.01		3.3	17	38600	0.01	164	4.8	1	26	2600	0.34	10.5	0.47	0.17	-0.05	6
PCS 1247	1	90	27.2		3.61		2.3	54	48100	0.02	96	5.27	1	14	1900	0.36	10.9	0.66	0.28	-0.05	11
PCS 1248	1	90	31.9		6.4		20.9	47	44400	0.04	662	3.96	5	23	700	0.49	3.2	0.51	0.61	-0.05	25
PCS 1249	1	90	18.9		1.69		5.5	18	39900	0.01	242	10.45	2	30	400	0.56	3.8	0.47	0.21	-0.05	11
PCS 1250	1	90	51.7		4.85		5.5	34	58300	0.02	346	20.5	2	70	1900	0.38	8.1	0.69	0.27	-0.05	19
PCS 1251	1	90	27.9		2.3		5.7	51	65400	0.02	386	34.5	2	120	4100	0.19	9.6	0.37	0.36	-0.05	28
PCS 1252	1	90	18.3		0.76		18.1	89	47500	0.02	546	7.04	5	61	500	0.22	2.4	0.3	0.78	-0.05	107
PCS 1253	1	90	41		4.65		3.1	52	51200	0.01	99	9.73	2	125	2100	0.35	8.6	0.37	0.51	-0.05	28
PCS 1254	1	90	41.6		2.71		17.6	62	54700	0.02	661	4.22	6	26	800	0.46	4.2	0.68	0.46	-0.05	42
PCS 1255	1	90	49.9		3.32		17.3	42	51500	0.02	455	6.8	4	28	900	0.65	5.1	0.84	0.45	-0.05	24
PCS 1256	1	90	44.4		3.06		21.7	42	50500	0.02	552	5.56	4	28	900	0.55	3.8	0.84	0.49	-0.05	26
PCS 1257	1	90	32.8		3.11		12.2	57	42900	0.01	336	9.04	4	37	800	0.32	5	0.49	0.46	-0.05	41
PCS 1258	1	90	14.4		1.43		26	68	46400	0.03	1080	1.96	6	16	600	0.23	1.2	0.38	0.57	-0.05	56
PCS 1259	1	90	67.9		8.45		6.1	47	77600	0.01	161	26.4	3	61	5300	0.95	18.8	1.44	0.41	-0.05	27
PCS 1260	1	90	41.5		2.95		29.4	103	45000	0.02	853	6.56	9	19	600	0.38	6.5	1.06	1.05	-0.05	80
PCS 1261	1	90	19.2		0.94		23.3	86	46400	0.02	768	0.71	7	12	500	0.18	1.2	0.35	0.5	-0.05	48

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1262	1	90	19.3		1.18		22.2	76	52100	0.02	616	0.89	7	13	400	0.14	1.4	0.33	0.85	-0.05	53
PCS 1263	1	90	27.2		0.84		14.2	63	44600	0.02	421	0.95	5	10	600	0.29	1.6	0.59	0.84	-0.05	33
PCS 1264	1	90	16.7		0.23		20	83	50400	0.01	657	0.41	8	9	500	0.13	0.7	0.39	0.9	-0.05	51
PCS 1265	1	90	20.4		0.34		22.6	53	44200	0.02	508	1.1	5	10	500	0.2	1.1	1.03	1.33	-0.05	28
PCS 1266	1	90	22.2		0.33		21.2	42	56300	0.05	805	1.3	14	16	300	0.39	0.5	0.07	0.79	-0.05	97
PCS 1267	1	90	41.3		0.21		15	47	42200	0.08	722	0.51	8	13	300	0.26	0.4	0.04	0.45	-0.05	64
PCS 1268	1	90	27.3		0.22		19.3	42	39900	0.03	718	0.54	9	15	300	0.23	0.5	0.06	0.47	-0.05	63
PCS 1269	1	90	22.8		0.22		20	54	42700	0.02	705	0.89	10	14	400	0.2	0.6	0.05	0.97	-0.05	62
PCS 1270	1	90	13.6		0.15		22.7	60	40100	0.02	1120	0.75	11	12	400	0.17	0.5	0.04	0.77	-0.05	62
PCS 1271	1	90	14.7		0.44		23.4	74	46500	0.02	835	0.91	10	13	1000	0.25	1.1	0.28	0.69	-0.05	55
PCS 1272	1	90	11.8		0.39		18.9	68	38100	0.02	657	0.99	7	11	900	0.16	1.4	0.2	0.66	-0.05	45
PCS 1273	1	90	20.4		0.07		22	49	39100	0.02	1155	0.51	7	12	300	0.3	0.4	0.02	0.65	-0.05	44
PCS 1274	1	90	15		0.08		19	66	38300	0.02	970	0.36	9	9	300	0.27	0.4	0.02	0.82	-0.05	53
PCS 1275	1	90	12.9		0.07		22.2	73	43400	0.02	1125	0.41	10	10	200	0.26	0.4	0.02	0.97	-0.05	66
PCS 1276	1	90	11.8		0.09		19.1	71	41400	0.02	860	0.36	9	11	300	0.25	0.4	0.02	1.04	-0.05	62
PCS 1277	1	90	55		0.08		25.9	90	44100	0.07	1050	0.49	20	8	400	0.55	0.5	0.02	0.78	-0.05	66
PCS 1278	1	90	17.8		0.05		26.2	128	56200	0.02	1140	0.29	16	5	300	0.31	0.5	0.02	0.98	0.05	70
PCS 1279	1	90	19.1		0.11		22.7	80	42300	0.03	1055	0.3	13	11	300	0.33	0.4	0.02	0.87	-0.05	67
PCS 1280	1	90	19.5		0.09		24.2	96	48700	0.03	1105	0.31	19	10	300	0.34	0.5	0.02	0.68	-0.05	66
PCS 1281	1	90	17.5		0.15		16.9	53	35600	0.02	935	0.55	10	14	300	0.3	0.4	0.02	0.83	-0.05	63
PCS 1282	1	90	25.2		10.3		22.6	75	51000	0.02	879	6.13	9	17	600	0.53	2.7	0.49	0.75	-0.05	51
PCS 1283	1	90	16.9		0.98		20.4	81	41900	0.03	798	1.72	9	13	500	0.23	1.3	0.23	0.8	-0.05	64
PCS 1284	1	90	20.1		0.29		13.7	41	31200	0.02	793	0.83	5	15	400	0.28	0.6	0.08	0.73	-0.05	44
PCS 1285	1	90	26.7		0.08		6.4	29	21600	0.03	532	0.25	4	11	300	0.28	0.4	0.01	0.88	-0.05	44
PCS 1286	1	90	7.3		0.08		5.9	25	19600	0.02	498	0.19	4	12	300	0.2	0.3	0.01	1.07	-0.05	42
PCS 1287	1	90	9.1		0.11		12.8	39	27700	0.02	992	0.36	5	15	300	0.22	0.4	0.02	0.94	-0.05	56
PCS 1288	1	90	11.1		0.22		13.8	48	30000	0.02	948	0.52	5	13	300	0.21	0.4	0.03	0.87	-0.05	60
PCS 1289	1	90	7.3		0.07		21.5	70	49300	0.01	1050	0.36	7	9	300	0.2	0.5	0.02	0.85	-0.05	69
PCS 1290	1	90	13.5		0.07		22.7	86	45000	0.02	937	0.37	10	9	300	0.23	0.5	0.02	0.85	-0.05	60
PCS 1291	1	90	6.9		0.06		17.3	77	41600	0.02	795	0.33	7	9	300	0.16	0.5	0.01	0.93	-0.05	55
PCS 1292	1	90	7.7		0.13		17.9	92	45900	0.02	869	0.35	8	15	300	0.21	0.4	0.03	1.14	-0.05	64
PCS 1293	1	90	11.1		0.08		18.5	68	43800	0.02	914	0.4	7	12	300	0.27	0.4	0.02	1.1	-0.05	64
PCS 1294	1	90	11.6		0.08		21.3	73	45400	0.02	1065	0.36	8	11	300	0.29	0.4	0.01	1.16	-0.05	70
PCS 1295	1	90	19.5		0.08		20.1	65	40500	0.04	1050	1.46	8	11	300	0.33	0.5	0.02	1.06	-0.05	66
PCS 1296	1	90	10.9		0.09		17.5	63	38600	0.02	900	0.4	5	10	300	0.29	0.4	0.03	0.96	-0.05	58
PCS 1297	1	90	31.7		0.02		24.8	108	52700	0.05	1030	0.5	7	7	200	0.33	0.4	0.01	0.87	0.05	68
PCS 1298	1	90	15.6		0.05		19.3	72	44500	0.03	867	0.36	6	8	300	0.33	0.4	0.02	0.89	-0.05	66
PCS 1299	1	90	22		0.07		24.3	99	47900	0.05	991	0.44	6	8	200	0.36	0.4	0.03	1.11	-0.05	70
PCS 1300	1	90	16.8		0.04		26.2	84	47400	0.03	1175	0.29	8	8	200	0.31	0.4	0.03	1.03	-0.05	73
PCS 1301	1	90	23		0.58		29.3	103	63300	0.16	1015	1.1	17	11	500	0.41	1.8	0.55	0.66	-0.05	78
PCS 1302	1	90	24.6		0.4		25.8	102	59800	0.13	537	0.7	11	12	500	0.3	2.5	1.08	0.58	-0.05	45
PCS 1303	1	90	10.7		0.22		24.7	88	45800	0.03	1310	0.52	12	7	300	0.27	0.6	0.26	0.61	-0.05	80
PCS 1304	1	90	10.9		0.33		26.6	113	56100	0.08	1165	0.47	17	8	300	0.19	0.7	0.31	0.54	-0.05	77

Sample Number	Number of readings	Average Duration	Assay value																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1305	1	90	87.6		6.13		15.6	167	82400	0.21	533	2.7	8	24	1000	1.26	14.8	1.12	0.97	-0.05	55
PCS 1306	1	90	12.3		0.45		11.2	30	21900	0.03	1215	1.21	7	10	300	0.32	1.5	0.13	1.29	-0.05	46
PCS 1307	1	90	1.2		0.07		3.7	8	14500	0.01	469	0.45	4	6	200	0.1	0.2	0.01	0.73	-0.05	17
PCS 1308	1	90	1.4		0.12		11.4	18	20300	0.02	1005	0.75	8	12	300	0.12	0.5	0.02	2.31	-0.05	36
PCS 1309	1	90	4.3		0.04		9.8	31	23900	0.01	676	0.32	4	9	300	0.22	0.3	0.02	0.83	-0.05	38
PCS 1310	1	90	4.8		0.03		3.5	16	17000	0.01	210	0.39	2	12	300	0.28	0.3	0.03	0.66	-0.05	20
PCS 1311	1	90	4.6		0.07		21.1	58	44900	0.02	979	0.31	3	7	200	0.19	0.4	0.02	0.73	-0.05	69
PCS 1312	1	90	3.5		0.05		26.7	113	54800	0.02	874	0.25	15	7	300	0.13	0.4	0.02	0.51	-0.05	64
PCS 1313	1	90	6.4		0.08		22.9	91	43700	0.03	860	0.56	9	11	400	0.3	0.4	0.02	0.83	-0.05	55
PCS 1314	1	90	2.4		0.08		29.7	127	56800	0.06	1015	0.29	17	5	200	0.08	0.4	0.02	0.69	-0.05	77
PCS 1315	1	90	4.5		0.43		13.5	59	34600	0.02	532	0.48	5	8	400	0.14	0.4	0.05	0.85	-0.05	46
PCS 1316	1	90	4.2		0.52		16.1	50	35000	0.08	675	0.62	6	10	300	0.17	0.4	0.18	0.85	-0.05	50
PCS 1317	1	90	7.8		0.89		18.6	80	48100	0.02	735	0.47	7	10	400	0.15	0.6	0.1	0.74	-0.05	43
PCS 1318	1	90	3.6		0.12		17.1	47	33700	0.01	539	0.41	5	12	300	0.15	0.3	0.04	0.77	-0.05	44
PCS 1319	1	90	1.8		0.06		17.3	70	33800	0.01	785	0.27	8	10	200	0.16	0.3	0.01	0.91	-0.05	52
PCS 1320	1	90	2.7		0.09		17.2	64	38900	0.02	1055	0.41	7	10	300	0.09	0.3	0.03	0.72	-0.05	65
PCS 1321	1	90	3.9		0.1		15	62	38500	0.02	800	0.48	7	7	300	0.11	0.4	0.06	0.82	-0.05	65

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1001	1	90	LOD	465.94	LOD	17829.7	465.24	65.7	39709.2	LOD	686.95	LOD	LOD	LOD	LOD	32.19	LOD	122.08	LOD	LOD	52.1
PCS 1002	1	90	14.21	347.14	LOD	14136.1	LOD	70.93	39539.7	LOD	734.58	LOD	LOD	LOD	LOD	LOD	LOD	81.52	LOD	LOD	66.06
PCS 1003	1	90	LOD	506.05	LOD	2098.34	336.82	86.17	33590.1	LOD	675.64	11.71	LOD	24.82	LOD	LOD	LOD	LOD	LOD	LOD	52.06
PCS 1004	1	90	LOD	415.05	LOD	2805.99	307	62.04	35745	LOD	657.57	LOD	LOD	18.85	LOD	LOD	LOD	90.49	LOD	LOD	44.09
PCS 1005	1	90	LOD	433.77	LOD	17301.4	408.18	103.29	42891.2	LOD	865.3	LOD	LOD	17.19	LOD	34.41	LOD	112.32	LOD	LOD	49.63
PCS 1006	1	90	LOD	583.5	LOD	7922.53	LOD	65.56	29029.6	LOD	628.08	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	67.79
PCS 1007	1	90	LOD	435.02	LOD	16908.5	LOD	84.84	48149.6	LOD	971.77	LOD	LOD	15.06	LOD	LOD	LOD	LOD	LOD	LOD	73.57
PCS 1008	1	90	LOD	340.88	LOD	3134.95	LOD	65.33	51891.9	LOD	798.65	LOD	LOD	18.05	LOD	LOD	LOD	91.46	LOD	LOD	82.34
PCS 1009	1	90	12.39	382.34	LOD	10022.4	LOD	73.19	41331	LOD	845.71	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	71.65
PCS 1010	1	90	LOD	361.47	LOD	12322.6	LOD	81.01	46931	LOD	751.46	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	60.14
PCS 1011	1	90	LOD	366.58	LOD	11116.5	576.47	92.48	44359.7	LOD	668.76	LOD	LOD	LOD	LOD	30.34	LOD	107.49	LOD	LOD	76.38
PCS 1012	1	90	LOD	331.25	LOD	3617.78	506.2	69.68	54182.3	LOD	811.05	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	69.34
PCS 1013	1	90	LOD	459.11	LOD	8932.82	LOD	79.68	42804.9	LOD	660.51	LOD	LOD	28.33	LOD	LOD	LOD	86.64	LOD	LOD	61.86
PCS 1014	1	90	LOD	464.78	LOD	9437.1	303.75	66.72	38776.3	LOD	661.07	12.54	LOD	16.71	LOD	LOD	LOD	LOD	LOD	LOD	57.57
PCS 1015	1	90	22.36	434.31	LOD	8044.57	334.33	90.57	34654.3	LOD	817.57	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	38
PCS 1016	1	90	15.12	586.07	LOD	10537.2	LOD	56.03	29874.7	LOD	543.47	LOD	LOD	17.29	LOD	LOD	LOD	82.47	LOD	LOD	43.17
PCS 1017	1	90	13.37	444.99	LOD	1710.55	278.87	48.11	28891.5	LOD	452.17	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	57.09
PCS 1018	1	90	LOD	457.53	LOD	1426.06	LOD	77.96	36440.6	LOD	757.75	10.3	LOD	LOD	LOD	LOD	LOD	99.67	LOD	LOD	63.02
PCS 1019	1	90	LOD	566.76	LOD	5864.08	284.76	50.56	22159.5	LOD	390.82	9.69	LOD	32.16	LOD	LOD	LOD	LOD	LOD	LOD	33.72
PCS 1020	1	90	LOD	381.9	LOD	2182.22	LOD	LOD	20073.2	LOD	256.77	LOD	LOD	31.61	LOD	39.15	LOD	124.98	LOD	LOD	46.24
PCS 1021	1	90	LOD	544.57	LOD	924.93	LOD	53.45	21207.6	LOD	671.64	LOD	LOD	19.76	LOD	28.61	LOD	LOD	LOD	LOD	72.36
PCS 1022	1	90	LOD	621.16	LOD	8274.89	262.13	LOD	19362.5	LOD	427.39	LOD	LOD	28.17	19958.8	LOD	LOD	LOD	LOD	LOD	50.96
PCS 1023	1	90	108.11	391.58	LOD	1980.32	344.41	106.26	31594.8	LOD	516.38	LOD	LOD	17.55	LOD	LOD	LOD	LOD	LOD	LOD	45.27
PCS 1024	1	90	21.77	473.96	LOD	12552.9	LOD	LOD	30496.9	LOD	614.74	LOD	LOD	14.52	19114.9	35.97	LOD	129	LOD	LOD	69.41
PCS 1025	1	90	LOD	445.4	LOD	11149.6	285.81	80.89	36096	LOD	640.36	LOD	LOD	16.18	LOD	LOD	LOD	LOD	LOD	LOD	61.63
PCS 1026	1	90	LOD	467.29	LOD	3728.65	398.53	52.91	45933.2	LOD	1069.51	LOD	LOD	15.31	LOD	36.27	LOD	LOD	LOD	LOD	98.57
PCS 1027	1	90	17.89	519.44	LOD	12764.5	LOD	81.99	39265.4	LOD	794.57	10.98	LOD	26.33	LOD	36.69	LOD	130.99	LOD	LOD	44.73
PCS 1028	1	90	LOD	435.37	LOD	12645	376.63	94.88	42876.7	LOD	714.55	LOD	LOD	21.05	LOD	LOD	LOD	116.6	LOD	LOD	64.94
PCS 1029	1	90	18.03	433.99	LOD	2722.89	LOD	58.58	42691.7	LOD	768.22	LOD	LOD	15.96	LOD	35.57	LOD	84.76	LOD	LOD	56.68
PCS 1030	1	90	32.65	356.06	LOD	11688.7	362.8	82.05	43699.4	LOD	503.44	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	38.4
PCS 1031	1	90	25.29	356.19	LOD	1077.86	366.74	65.01	52257.3	LOD	636.31	LOD	LOD	20.66	LOD	LOD	LOD	LOD	LOD	LOD	42.5
PCS 1032	1	90	33.15	329.24	LOD	1541.99	372.07	105.52	46006.6	LOD	663.59	LOD	LOD	15.67	LOD	28.42	LOD	LOD	LOD	LOD	53.01
PCS 1033	1	90	31.11	368.02	LOD	6444.1	LOD	55.8	38645.9	LOD	688.59	LOD	LOD	16.37	LOD	LOD	LOD	LOD	LOD	LOD	57.97
PCS 1034	1	90	33.57	245.5	LOD	3261.96	LOD	57.18	28611.5	LOD	196.39	31.22	LOD	50.3	LOD	LOD	LOD	87.49	LOD	LOD	LOD
PCS 1035	1	90	34.99	195.08	LOD	1015.01	261.76	49.5	22406	LOD	182.49	20.92	LOD	34.8	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1036	1	90	33.1	269.62	LOD	813.47	404.73	91.63	44498.6	LOD	613.04	LOD	LOD	14.59	LOD	LOD	LOD	84.86	LOD	LOD	41.01
PCS 1037	1	90	34.35	208.31	LOD	2930.79	521.39	65.24	47599.7	LOD	411.77	LOD	LOD	LOD	LOD	LOD	9.46	LOD	LOD	LOD	28.71
PCS 1038	1	90	43.21	281.81	LOD	3737.77	LOD	LOD	39905	LOD	362.48	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	43.48
PCS 1039	1	90	30.52	201.21	LOD	665.72	361.55	101.88	45910.9	LOD	LOD	9.95	LOD	16	LOD	LOD	LOD	LOD	LOD	LOD	27.08
PCS 1040	1	90	48.89	314.33	LOD	652.56	535.48	107.72	59394.5	LOD	LOD	LOD	LOD	LOD	LOD	LOD	9.96	LOD	LOD	LOD	LOD
PCS 1041	1	90	38.9	323.63	LOD	1937.8	398.53	66.39	53807.5	LOD	216.38	LOD	LOD	20.92	LOD	LOD	7.76	78.19	LOD	LOD	36.44
PCS 1042	1	90	45.65	333.68	LOD	2023.02	LOD	47.37	52691.9	LOD	LOD	9.77	LOD	LOD	LOD	45	LOD	100.65	LOD	LOD	LOD
PCS 1043	1	90	63.98	311.43	LOD	1957.96	LOD	47.15	55939.6	LOD	LOD	LOD	LOD	18.36	LOD	LOD	LOD	LOD	LOD	LOD	LOD

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1044	1	90	85.87	365.98	LOD	212.55	LOD	45.07	57802.1	LOD	LOD	10.3	LOD	27.28	LOD	36.61	LOD	LOD	LOD	LOD	LOD
PCS 1045	1	90	112.72	402.07	LOD	540.26	LOD	51.02	64851.2	LOD	282.33	12.42	LOD	22.9	15703.8	LOD	10.38	100.36	LOD	LOD	LOD
PCS 1046	1	90	95.21	508.19	LOD	1799.49	504.61	56.39	69837.6	LOD	LOD	LOD	LOD	27.32	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1047	1	90	51.68	243.09	66.67	579.2	LOD	LOD	30554.7	LOD	174.9	13.9	LOD	27.78	LOD	LOD	LOD	87.4	LOD	LOD	LOD
PCS 1048	1	90	56.94	263.97	LOD	2894.38	LOD	LOD	48150.9	LOD	191.69	LOD	LOD	23.72	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1049	1	90	31.62	246.74	LOD	1527.24	LOD	126.47	62959.9	LOD	963.1	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	103.3
PCS 1050	1	90	67.78	329.97	LOD	2205.19	476.97	122.22	57793.8	LOD	231.31	21.23	LOD	LOD	LOD	LOD	24.71	LOD	LOD	LOD	54.69
PCS 1051	1	90	42.97	386.79	LOD	2871.32	349.49	89.92	46215.1	LOD	LOD	LOD	LOD	31.9	LOD	LOD	16.18	LOD	LOD	LOD	33.24
PCS 1052	1	90	90.5	288.4	LOD	1373.34	434.72	86.62	73910.4	LOD	LOD	18.17	LOD	40.77	LOD	LOD	29.8	84.72	LOD	LOD	26.1
PCS 1053	1	90	56.22	340.03	LOD	619.35	465.65	84.01	48807.7	LOD	658.26	LOD	LOD	34.92	LOD	LOD	LOD	73.22	LOD	LOD	28.37
PCS 1054	1	90	45.06	201.64	LOD	3344.12	LOD	LOD	32559	LOD	251.76	12.31	LOD	46.16	LOD	LOD	8.14	LOD	LOD	LOD	31.05
PCS 1055	1	90	84.59	328.63	LOD	1863.17	LOD	LOD	35054.9	LOD	LOD	LOD	LOD	20.19	LOD	LOD	17.97	LOD	LOD	LOD	LOD
PCS 1056	1	90	29.32	268.89	65.93	2983.43	LOD	LOD	20598.7	LOD	131.06	11.03	LOD	32.63	LOD	LOD	9.95	LOD	LOD	LOD	LOD
PCS 1057	1	90	29.78	224.28	LOD	1201.28	LOD	98.49	37752.7	LOD	680.12	9.49	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	52.75
PCS 1058	1	90	13.35	347.22	LOD	7527.96	339.17	116.34	38130.4	LOD	787.31	LOD	LOD	17.61	LOD	LOD	LOD	LOD	LOD	LOD	63.7
PCS 1059	1	90	21.17	344.28	LOD	3093.01	273.28	47.36	33462.6	LOD	426.6	LOD	LOD	20.08	LOD	LOD	LOD	LOD	LOD	LOD	48.92
PCS 1060	1	90	22.03	282.44	LOD	14583.9	312.06	57.85	37941.9	LOD	472.98	LOD	LOD	20.9	LOD	LOD	LOD	LOD	LOD	LOD	33.98
PCS 1061	2	90	21.05	220.15	LOD	6717.72	365.94	59.125	37579.3	LOD	337.93	LOD	LOD	19.355	LOD	LOD	LOD	LOD	LOD	LOD	34.075
PCS 1062	1	90	14.62	261.9	LOD	6804.69	309.56	61.53	35951.8	LOD	745.83	LOD	LOD	16.44	LOD	LOD	LOD	LOD	LOD	LOD	36
PCS 1063	1	90	27.21	303.29	LOD	2264.55	LOD	77.78	44577.9	LOD	378.36	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	27.76
PCS 1064	1	90	29.51	359.27	LOD	5265.2	345.5	102.4	46740.2	LOD	648.63	9.89	LOD	LOD	31708.5	LOD	LOD	LOD	LOD	LOD	39.77
PCS 1065	1	90	37.03	301.68	LOD	5515.62	315.1	90.33	44360.1	LOD	758.63	LOD	LOD	LOD	LOD	31.48	LOD	79.33	LOD	LOD	43.87
PCS 1066	1	90	42.9	394.92	LOD	1196.07	LOD	92.19	30932.6	LOD	417.56	LOD	LOD	17.68	LOD	LOD	LOD	LOD	LOD	LOD	45.84
PCS 1067	1	90	23.86	509.86	LOD	932.82	LOD	LOD	18966.3	LOD	331.09	LOD	LOD	16.64	LOD	LOD	LOD	LOD	LOD	LOD	23.82
PCS 1068	1	90	LOD	614.04	LOD	4234.33	LOD	48.22	29151.5	LOD	445.71	LOD	LOD	17.7	LOD	LOD	LOD	LOD	LOD	LOD	26.33
PCS 1069	1	90	15.7	568.22	LOD	5705.18	LOD	63.12	28139.7	LOD	511.66	LOD	LOD	LOD	LOD	LOD	LOD	94.59	LOD	LOD	57.41
PCS 1070	1	90	LOD	505.59	LOD	4317.25	284.63	LOD	26882.9	LOD	359.65	LOD	LOD	20.96	LOD	31.77	LOD	LOD	LOD	LOD	23.95
PCS 1071	1	90	13.5	486.21	LOD	1056.31	LOD	46.52	21620.1	LOD	449.52	11.7	LOD	LOD	LOD	LOD	LOD	102.12	LOD	LOD	49.33
PCS 1072	1	90	LOD	263	LOD	14158	345.32	87.13	46635.9	LOD	690.5	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	70.08
PCS 1073	1	90	LOD	432.13	LOD	2820.66	LOD	93.13	35901.4	LOD	588.92	LOD	LOD	13.48	LOD	LOD	LOD	LOD	LOD	LOD	46.72
PCS 1074	1	90	LOD	572	LOD	1680.93	LOD	LOD	20553.7	LOD	406.6	LOD	LOD	21.84	LOD	LOD	LOD	113.52	LOD	LOD	41.92
PCS 1075	1	90	LOD	586.36	LOD	1333.24	LOD	71.74	24096.4	LOD	402.33	LOD	LOD	15.11	LOD	34.08	LOD	77.02	LOD	LOD	34.44
PCS 1076	1	90	14.59	493.72	LOD	6465.91	292.69	53.37	31692.9	LOD	532.58	LOD	LOD	14.71	LOD	LOD	LOD	LOD	LOD	LOD	52.68
PCS 1077	1	90	LOD	719.44	LOD	1327.29	LOD	90.02	23138	LOD	644.01	LOD	LOD	14.69	LOD	LOD	LOD	119.79	LOD	LOD	48.94
PCS 1078	1	90	LOD	418.89	LOD	2157.58	LOD	92.97	36005.7	LOD	579.85	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	60.68
PCS 1079	1	90	LOD	489.57	LOD	15019.4	LOD	60.81	33950.7	LOD	762.93	LOD	LOD	LOD	LOD	LOD	LOD	86.11	LOD	LOD	39.1
PCS 1080	1	90	LOD	503.34	LOD	11531.2	LOD	79.83	32560.1	LOD	701.96	LOD	LOD	16.72	LOD	LOD	LOD	93.08	LOD	LOD	53.74
PCS 1081	1	90	LOD	441.73	LOD	11892.5	384.37	84.64	45345.3	LOD	911.49	LOD	LOD	LOD	LOD	37.02	LOD	128.2	LOD	LOD	67.14
PCS 1082	1	90	LOD	321.06	LOD	16413.4	409.14	65.36	55421.7	LOD	1031.22	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	64.53
PCS 1083	1	90	17.76	479.35	LOD	11079.7	LOD	61.46	34113.5	LOD	826.39	LOD	LOD	LOD	LOD	31.41	LOD	125.22	LOD	LOD	55.7
PCS 1084	1	90	LOD	428.52	LOD	3072.12	547.32	65.43	50264.7	LOD	956.63	13.96	LOD	21.69	LOD	35.72	LOD	75.76	LOD	LOD	85.81
PCS 1085	1	90	LOD	414.11	LOD	9263.38	386.2	70.92	40246.1	LOD	941.24	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	70.8
PCS 1086	1	90	20.5	514.58	LOD	10520.1	LOD	LOD	28411.7	LOD	798.73	LOD	LOD	LOD	LOD	25.55	LOD	119.44	LOD	LOD	78.44

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1087	1	90	13.55	395.02	LOD	2819.47	513.7	68.72	48176.8	LOD	1055.2	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	68.48
PCS 1088	1	90	17	326.95	LOD	3642.29	LOD	96.98	54226.1	LOD	1104.13	LOD	LOD	15.25	LOD	LOD	LOD	107.27	LOD	LOD	74.69
PCS 1089	1	90	LOD	411.32	LOD	1994.31	344.24	95.52	37890.3	LOD	655.12	LOD	LOD	27.63	LOD	LOD	LOD	LOD	LOD	LOD	39.69
PCS 1090	1	90	LOD	421.02	LOD	2592.91	LOD	78.06	34294.1	LOD	735.3	LOD	LOD	25.44	LOD	LOD	LOD	LOD	LOD	LOD	49.73
PCS 1091	1	90	LOD	463.23	LOD	9212.41	309.02	72.54	28711.3	LOD	605.43	LOD	LOD	25.73	LOD	LOD	LOD	LOD	LOD	LOD	58.32
PCS 1092	1	90	19.92	381.05	LOD	1396.46	360.69	43.54	33071.6	LOD	800.37	10.05	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	52.24
PCS 1093	1	90	12.45	431.82	LOD	5945.29	LOD	58.45	29753.8	LOD	625.42	LOD	LOD	14.92	LOD	LOD	LOD	LOD	LOD	LOD	60.49
PCS 1094	1	90	17.94	396.08	LOD	5736.61	351.07	66.1	29701.2	LOD	810.38	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	54.65
PCS 1095	1	90	18.14	525.28	LOD	1089.36	LOD	50.73	25488.3	LOD	467.79	LOD	LOD	15.7	LOD	LOD	LOD	86.12	LOD	LOD	57.89
PCS 1096	1	90	LOD	450.57	LOD	1935.94	353.06	140.32	50832.2	LOD	803.83	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	71.35
PCS 1097	1	90	LOD	401.25	LOD	6404.37	LOD	81.98	38887	LOD	684.47	9.72	LOD	16.33	LOD	LOD	LOD	LOD	LOD	LOD	78.9
PCS 1098	1	90	LOD	455.85	LOD	10126.7	537.24	88.54	46804	LOD	902.94	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	69.48
PCS 1099	1	90	LOD	583.38	LOD	7503.44	LOD	85.16	40059.3	LOD	709.27	LOD	LOD	18.58	LOD	38.84	LOD	118.7	LOD	LOD	61.85
PCS 1100	1	90	LOD	646.41	LOD	7272.9	LOD	59.98	27710.3	LOD	482.45	LOD	LOD	29.11	LOD	LOD	LOD	LOD	LOD	LOD	62.71
PCS 1101	1	90	LOD	548.25	LOD	6540.49	LOD	LOD	24730.9	LOD	642.93	LOD	LOD	19.24	LOD	LOD	LOD	LOD	LOD	LOD	50.17
PCS 1102	1	90	14.45	602.74	LOD	10526.6	362.15	89.06	36759.8	LOD	749.65	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	77.09
PCS 1103	1	90	LOD	506.41	LOD	9810.44	LOD	112.89	52219.9	LOD	923.28	LOD	LOD	LOD	LOD	33.07	LOD	76.35	LOD	LOD	59.75
PCS 1104	1	90	LOD	1051.02	LOD	1909.11	432.17	84.82	39153.9	LOD	710.18	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	71.33
PCS 1105	1	90	22.36	937.72	LOD	6576.33	439.91	107.67	49348.3	LOD	787.79	LOD	LOD	LOD	LOD	41.77	LOD	106.47	LOD	LOD	58.96
PCS 1106	1	90	LOD	796.67	LOD	1831.78	364.7	134.76	46384	LOD	948.15	9.21	LOD	LOD	LOD	36.58	LOD	LOD	LOD	LOD	64.21
PCS 1107	1	90	16.72	310.15	LOD	2075.37	518.85	171.37	53644.2	LOD	932.04	LOD	LOD	LOD	LOD	LOD	LOD	71.01	LOD	LOD	63.57
PCS 1108	1	90	LOD	727	LOD	1376.29	398.45	108.18	49932.7	LOD	1019.41	11.76	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	49.94
PCS 1109	1	90	13.84	290.7	LOD	3774.74	566.76	87.64	48620.9	LOD	406.33	14.25	LOD	16.87	LOD	LOD	LOD	123.18	LOD	LOD	48.79
PCS 1110	1	90	16.73	338.4	LOD	7556.27	342.77	108.84	50035.1	LOD	1088.82	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	65.94
PCS 1111	1	90	LOD	282.25	LOD	1228.64	467.74	77.93	40181.4	LOD	869.07	LOD	LOD	17.37	LOD	LOD	LOD	LOD	LOD	LOD	60.27
PCS 1112	1	90	28.72	365.44	LOD	680.15	334.57	75.52	41960.3	LOD	352.92	LOD	LOD	LOD	LOD	37.91	LOD	116.37	LOD	LOD	LOD
PCS 1113	1	90	16.51	324.24	LOD	6121.74	LOD	184.04	48908.5	LOD	953.33	LOD	LOD	LOD	LOD	LOD	LOD	77.36	LOD	LOD	55.76
PCS 1114	1	90	62.27	258.81	LOD	577.31	639.34	104.9	62332.6	LOD	LOD	LOD	LOD	25.96	LOD	LOD	LOD	LOD	LOD	LOD	22.97
PCS 1115	1	90	75.32	387.21	LOD	454.48	471.11	83.9	80972.6	LOD	LOD	12.16	LOD	22.49	LOD	48.58	LOD	111.13	LOD	LOD	50.85
PCS 1116	1	90	89.9	354.58	LOD	2090.57	495.73	89.89	87169.7	LOD	365.2	LOD	LOD	LOD	LOD	LOD	10.16	LOD	LOD	LOD	31.59
PCS 1117	1	90	44.28	358.82	LOD	3888.33	377.74	79.02	40269.5	LOD	637.29	LOD	LOD	17.37	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1118	1	90	LOD	397.41	LOD	1224.19	LOD	LOD	13093.6	LOD	442.62	8.2	LOD	17.08	LOD	LOD	LOD	74.43	LOD	LOD	LOD
PCS 1119	1	90	34.64	378.48	LOD	3275.05	361.26	89.2	45057.6	LOD	280.06	9.81	LOD	18.82	LOD	LOD	LOD	71.77	LOD	LOD	60.32
PCS 1120	1	90	LOD	547.86	LOD	1309.51	274.41	LOD	24594.7	LOD	670.37	LOD	LOD	15.71	LOD	LOD	LOD	LOD	LOD	LOD	55.51
PCS 1121	1	90	LOD	402.96	LOD	5314.34	LOD	LOD	10078.3	LOD	545.61	LOD	LOD	LOD	15820.5	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1122	1	90	LOD	377.73	LOD	1057.13	LOD	LOD	8047.58	LOD	504.9	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	25.84
PCS 1123	1	90	LOD	457.56	LOD	1197.94	LOD	LOD	7615.47	LOD	240.15	LOD	LOD	13.87	LOD	LOD	LOD	82.7	LOD	LOD	LOD
PCS 1124	1	90	LOD	312.71	LOD	6296.83	LOD	LOD	13540.5	LOD	478.25	LOD	LOD	18.92	16027.7	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1125	1	90	64.48	430.01	LOD	2306.2	LOD	LOD	39744.5	LOD	555.75	LOD	LOD	40.95	LOD	27.48	10.44	LOD	LOD	LOD	26.25
PCS 1126	1	90	26.63	605.76	LOD	633.42	248.21	51.08	28964.4	LOD	LOD	LOD	LOD	13.31	LOD	LOD	LOD	LOD	LOD	LOD	39.95
PCS 1127	1	90	74.58	463.07	LOD	LOD	1477.02	72.51	163211	LOD	LOD	LOD	LOD	26.39	LOD	LOD	LOD	156.59	LOD	LOD	44.43
PCS 1128	1	90	94.66	418.72	LOD	LOD	2872.56	LOD	421796	LOD	LOD	13.84	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1129	1	90	75.62	331.43	LOD	360.09	490.96	LOD	48139.9	LOD	LOD	LOD	LOD	21.67	LOD	27.65	LOD	83.85	LOD	LOD	LOD

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1130	1	90	48.52	334.34	LOD	2404.16	LOD	LOD	32483	LOD	221.4	LOD	LOD	34.96	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1131	1	90	48.47	155.11	LOD	6362.67	LOD	56.23	33603.8	LOD	410.89	8.33	LOD	26.3	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1132	1	90	56.22	428.33	LOD	2366.5	344.98	53.45	38547.6	LOD	LOD	LOD	LOD	31.39	LOD	LOD	LOD	LOD	LOD	LOD	23
PCS 1133	1	90	58.37	429.49	LOD	2246.99	397.71	LOD	54830.1	LOD	275.59	LOD	LOD	38.27	LOD	LOD	8.96	LOD	LOD	LOD	LOD
PCS 1135	1	90	72.62	354.44	LOD	1561.19	572.52	LOD	101265	LOD	LOD	16.48	LOD	LOD	27898	LOD	11.29	LOD	LOD	LOD	37.27
PCS 1136	1	90	51.22	262.63	LOD	652.03	LOD	77.53	42796.7	LOD	154.84	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	28.86
PCS 1137	1	90	24.84	432.39	LOD	11147.3	299.2	59.54	39007.6	LOD	634.59	LOD	LOD	15.04	LOD	LOD	LOD	125.18	LOD	LOD	83.92
PCS 1138	1	90	27.08	342.71	LOD	561.44	LOD	44.29	36517.4	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	21.36
PCS 1139	1	90	22.41	294.27	LOD	1302.73	LOD	37.88	18515.1	LOD	409.51	LOD	LOD	27.45	LOD	LOD	LOD	LOD	LOD	LOD	22.27
PCS 1141	1	90	69.15	351.79	LOD	2362.7	LOD	LOD	31725.6	LOD	LOD	9.69	LOD	26.56	18851	LOD	8.05	LOD	LOD	LOD	LOD
PCS 1142	1	90	46.4	289.02	LOD	3774.24	324.29	44.1	34094.9	LOD	273.02	LOD	LOD	35.33	LOD	LOD	LOD	LOD	LOD	LOD	29.49
PCS 1143	1	90	28.3	435.58	LOD	728.35	LOD	LOD	30112.4	LOD	253.65	LOD	LOD	32.88	LOD	LOD	LOD	96.95	LOD	LOD	LOD
PCS 1144	1	90	25.15	653.68	LOD	10958	327.49	104.76	44334.4	LOD	839.12	LOD	LOD	LOD	LOD	41.11	LOD	132.2	LOD	LOD	103.16
PCS 1145	1	90	56.11	626.21	LOD	3784.79	LOD	76.5	40540.5	LOD	206.25	LOD	LOD	LOD	LOD	LOD	LOD	76.87	LOD	LOD	62.94
PCS 1146	1	90	17.4	494.95	LOD	1042.6	LOD	LOD	24495.5	LOD	225.49	LOD	LOD	33.94	LOD	LOD	LOD	LOD	LOD	LOD	30.77
PCS 1147	1	90	LOD	425.46	LOD	7632.99	LOD	57.13	38103.7	LOD	545.39	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	73.83
PCS 1148	1	90	LOD	407.93	LOD	4374.98	LOD	LOD	17287.6	LOD	608.35	12.34	LOD	13.45	16423.8	LOD	LOD	LOD	LOD	LOD	59.06
PCS 1149	1	90	21.24	289.84	76.12	6489.03	292.23	LOD	25612.3	LOD	514.55	8.99	LOD	47.88	18199.5	LOD	LOD	LOD	LOD	LOD	28.68
PCS 1150	1	90	LOD	369.64	LOD	1668.96	LOD	LOD	14436.2	LOD	467.76	LOD	LOD	14.47	LOD	LOD	LOD	LOD	LOD	LOD	35.41
PCS 1151	1	90	LOD	401.59	LOD	4946.56	LOD	LOD	9051.86	LOD	210.22	LOD	LOD	13.32	20059.4	LOD	LOD	LOD	LOD	LOD	17.87
PCS 1152	1	90	LOD	396.98	LOD	5542.71	LOD	LOD	9009.84	LOD	652.44	8.31	LOD	LOD	LOD	LOD	LOD	105.42	LOD	LOD	24.64
PCS 1153	1	90	LOD	415.96	LOD	7877.96	LOD	LOD	8946.43	LOD	491.87	LOD	LOD	13.69	15926.7	LOD	LOD	82.47	LOD	LOD	26.91
PCS 1154	1	90	LOD	329.02	LOD	5260.06	LOD	LOD	7865.89	LOD	508.71	LOD	LOD	14.34	LOD	LOD	LOD	LOD	LOD	LOD	24.5
PCS 1155	1	90	LOD	370.83	LOD	5167.3	LOD	LOD	8626.87	LOD	430.41	9.12	LOD	15.24	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1156	1	90	LOD	407.72	LOD	4571.42	LOD	LOD	7967.98	LOD	175.27	LOD	LOD	LOD	17741.6	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1157	1	90	LOD	542.19	LOD	1686.66	LOD	LOD	24805.6	LOD	631.76	LOD	LOD	15.91	9310.21	LOD	LOD	LOD	LOD	LOD	60.62
PCS 1158	1	90	69.28	313.53	LOD	2342.81	518.76	84.61	74205.3	LOD	258.5	LOD	LOD	16.18	21575.6	LOD	9.21	110.4	LOD	LOD	37.23
PCS 1159	1	90	125.63	299.12	LOD	3477.28	LOD	110.55	129401	LOD	488.68	LOD	LOD	25.88	LOD	LOD	LOD	LOD	LOD	LOD	47.75
PCS 1161	1	90	37.42	217.82	LOD	668.26	412.92	48.76	45209.3	LOD	224.04	LOD	LOD	13.25	LOD	LOD	LOD	LOD	LOD	LOD	41.75
PCS 1162	1	90	23.78	294.49	LOD	3633.24	LOD	75.7	33359.1	LOD	292.45	LOD	LOD	15.27	LOD	LOD	LOD	LOD	LOD	LOD	40.18
PCS 1163	1	90	35.66	307.9	LOD	498.26	LOD	73.16	55186.9	LOD	LOD	11.17	LOD	29.49	LOD	LOD	8.94	123.29	LOD	LOD	26.04
PCS 1164	1	90	24.19	320.78	LOD	586.2	LOD	55.65	40738.5	LOD	LOD	LOD	LOD	15.74	LOD	29.48	LOD	71.56	LOD	LOD	25.66
PCS 1165	1	90	16.72	289.23	LOD	4577.59	LOD	73.94	42840.7	LOD	LOD	LOD	LOD	18.42	LOD	LOD	LOD	LOD	LOD	LOD	49.68
PCS 1166	1	90	17.38	313.03	LOD	1464.88	322.07	77.59	40174.9	LOD	556	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	58.04
PCS 1167	1	90	31.75	333.93	LOD	3410.51	400.69	53.95	41682	LOD	LOD	LOD	LOD	LOD	LOD	26.81	LOD	85.87	LOD	LOD	33.35
PCS 1168	1	90	15.11	809.41	LOD	1820.84	LOD	71.23	31894.6	LOD	559.92	LOD	LOD	LOD	LOD	LOD	LOD	83.87	LOD	LOD	52.55
PCS 1169	1	90	15.68	284.6	LOD	7687.91	LOD	66.95	45074.3	LOD	893.92	LOD	LOD	LOD	21467.7	LOD	LOD	LOD	LOD	LOD	96.29
PCS 1170	1	90	LOD	565.15	LOD	8814.57	LOD	LOD	26106.3	LOD	566.67	LOD	LOD	16.8	18704.2	LOD	LOD	94.86	LOD	LOD	56.1
PCS 1171	1	90	LOD	301.92	LOD	1978.48	332.86	77.96	40685.9	LOD	900.38	LOD	LOD	16.21	LOD	LOD	LOD	LOD	LOD	LOD	57.25
PCS 1172	1	90	LOD	376.59	LOD	1576.39	LOD	66.25	37888.9	LOD	774.12	LOD	LOD	26.64	LOD	LOD	LOD	LOD	LOD	LOD	63.59
PCS 1173	1	90	18.42	402.2	LOD	2085.41	LOD	103.67	52620.2	LOD	735.15	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	83.84
PCS 1174	1	90	20.59	469.79	LOD	7947.57	364.36	99.29	46579.2	LOD	928.35	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	43.51
PCS 1175	1	90	LOD	519.78	LOD	6823.87	LOD	63.04	25968.7	LOD	595.79	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	42.91

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1176	1	90	LOD	510.02	LOD	6851.4	LOD	56.86	27556.1	LOD	528.11	LOD	LOD	15.32	19984.7	LOD	LOD	77.91	LOD	LOD	44.2
PCS 1177	1	90	LOD	514.89	LOD	1618.99	LOD	73.64	27986.9	LOD	548.59	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	39.34
PCS 1178	1	90	LOD	444.07	LOD	8887.37	LOD	47.14	30328.4	LOD	685.79	LOD	LOD	16.44	LOD	LOD	LOD	LOD	LOD	LOD	44.97
PCS 1179	1	90	LOD	354.25	LOD	8449.3	296.34	71.24	28974.8	LOD	900.46	9.42	LOD	14.93	LOD	LOD	LOD	LOD	LOD	LOD	48.55
PCS 1180	1	90	LOD	475.5	LOD	2169.33	LOD	LOD	21819.4	LOD	603.71	LOD	LOD	LOD	LOD	29.3	LOD	81.18	LOD	LOD	46.03
PCS 1181	1	90	LOD	432.92	LOD	8521.05	LOD	77.22	37185.1	LOD	716.99	LOD	LOD	LOD	LOD	LOD	LOD	91.96	LOD	LOD	50.12
PCS 1182	1	90	LOD	403.39	LOD	9345.84	LOD	63.63	46037.9	LOD	1027.65	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	65.31
PCS 1183	1	90	LOD	390.47	LOD	13383.8	413.66	94.94	53398.1	LOD	1159.91	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	66.87
PCS 1184	1	90	LOD	439.73	LOD	3383.99	LOD	121.66	54421.8	LOD	829.1	LOD	LOD	20.15	LOD	LOD	LOD	LOD	LOD	LOD	74.84
PCS 1185	1	90	LOD	516.97	LOD	12997.8	474.95	94.83	55991	LOD	1068.5	LOD	LOD	LOD	LOD	33.83	LOD	92.5	LOD	LOD	67.55
PCS 1186	1	90	LOD	582.18	LOD	2519.13	LOD	69.95	29777.9	LOD	650.46	LOD	LOD	LOD	LOD	36.27	LOD	130.02	LOD	LOD	52.96
PCS 1187	1	90	LOD	465.75	LOD	13609	497.51	90.76	51720	LOD	844.46	LOD	LOD	LOD	LOD	LOD	LOD	78.44	LOD	LOD	74.09
PCS 1188	1	90	LOD	417.79	LOD	11311.3	325.31	LOD	30153.6	LOD	425.48	LOD	LOD	21.82	LOD	LOD	LOD	105.83	LOD	LOD	49.4
PCS 1189	1	90	LOD	410.45	LOD	9731.76	LOD	63.18	31649.2	LOD	577.8	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	38.28
PCS 1190	1	90	16.62	680.75	LOD	12724.4	LOD	48.61	32017.5	LOD	590.36	LOD	LOD	15.9	LOD	35.36	LOD	106.05	LOD	LOD	69.11
PCS 1191	1	90	21.07	437.8	LOD	7020.81	LOD	44.79	23466.4	LOD	442.54	LOD	LOD	21.71	LOD	LOD	LOD	LOD	LOD	LOD	54.86
PCS 1192	1	90	21.19	334.93	LOD	6284.77	371.72	109.02	44273.9	LOD	930.93	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	65.88
PCS 1193	1	90	18.19	422.53	LOD	1278.71	LOD	100.44	42468.8	LOD	874.38	LOD	LOD	LOD	LOD	30.98	LOD	103.21	LOD	LOD	93.1
PCS 1194	1	90	19.89	460.87	LOD	1702.41	373.21	82.81	48782.3	LOD	989.83	LOD	LOD	LOD	LOD	38.61	LOD	88.25	LOD	LOD	79.35
PCS 1195	1	90	LOD	284.96	LOD	4431.18	LOD	LOD	12367.9	LOD	314.38	9.49	LOD	LOD	15495.9	LOD	LOD	LOD	LOD	LOD	30.43
PCS 1196	1	90	LOD	690.62	LOD	7615.84	LOD	62.54	34525.6	LOD	648.49	LOD	LOD	LOD	LOD	LOD	LOD	101.6	LOD	LOD	54.63
PCS 1197	1	90	LOD	440.59	LOD	8127.87	LOD	49.15	45244.8	LOD	932.35	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	74.25
PCS 1198	1	90	LOD	519.35	LOD	10511.1	LOD	52	34603	LOD	666.38	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	65.95
PCS 1199	1	90	LOD	431.74	LOD	10046.6	LOD	LOD	31593.7	LOD	499.33	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	47.18
PCS 1200	1	90	LOD	408.68	LOD	2252.44	LOD	LOD	17815.4	LOD	591.59	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	42.74
PCS 1201	1	90	LOD	433.34	LOD	2462.54	LOD	50.59	35892.2	LOD	663.6	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	58.55
PCS 1202	1	90	LOD	370.46	LOD	2180.88	LOD	LOD	37472.3	LOD	619.62	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	64.01
PCS 1203	1	90	42	285.74	LOD	3059.1	LOD	70.68	53442.6	LOD	231.8	15.15	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	25.02
PCS 1204	1	90	33.96	387.93	LOD	5835.49	LOD	62.42	40088.3	LOD	578.27	LOD	LOD	14.85	LOD	LOD	LOD	79.1	LOD	LOD	61.83
PCS 1205	1	90	26.91	397.29	LOD	2072.84	382.41	45.09	38187.5	LOD	801.75	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	68.47
PCS 1206	1	90	33.01	564.96	LOD	7453.7	LOD	57	38720.6	LOD	817.92	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	49.65
PCS 1207	1	90	46.27	529.04	LOD	5871.7	312.98	51.6	38454.6	LOD	944.74	LOD	LOD	LOD	LOD	41.39	LOD	155.18	LOD	LOD	56.34
PCS 1208	1	90	47.86	615.3	LOD	6592.95	LOD	LOD	38065.4	LOD	766.27	LOD	LOD	17.99	LOD	LOD	LOD	LOD	LOD	LOD	64.34
PCS 1209	1	90	55.87	522.24	LOD	1145.34	LOD	51.07	35325	LOD	740.85	LOD	LOD	21.33	LOD	27.69	LOD	91.64	LOD	LOD	67.93
PCS 1210	1	90	26.24	593.02	LOD	4602.1	LOD	61.25	36562.9	LOD	780.66	9.05	LOD	LOD	LOD	42.92	LOD	107.8	LOD	LOD	67.79
PCS 1211	1	90	33.02	426.17	LOD	5477.67	401.99	67.94	29463.5	LOD	784.26	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	80.11
PCS 1212	1	90	32.69	453	LOD	1155.31	LOD	LOD	28214.8	LOD	571.55	LOD	LOD	19	LOD	LOD	LOD	LOD	LOD	LOD	54.96
PCS 1213	1	90	18.44	514.69	LOD	6412.5	LOD	70.63	34753.3	LOD	845.84	9.22	LOD	17.19	LOD	LOD	LOD	LOD	LOD	LOD	55.4
PCS 1214	1	90	22.07	415.01	LOD	1201.58	351.91	65.76	30391.4	LOD	690.03	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	47.83
PCS 1215	1	90	17.7	406.94	LOD	1462.22	LOD	84.52	33126.2	LOD	786.99	LOD	LOD	17.2	LOD	LOD	LOD	LOD	LOD	LOD	73.39
PCS 1216	1	90	41.3	400.81	LOD	5903.96	LOD	83.52	40986.9	LOD	836.01	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	67.13
PCS 1217	1	90	18.26	456.19	LOD	8898.34	372.08	LOD	47280.3	LOD	870.23	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	60.96
PCS 1218	1	90	19.31	502.13	LOD	2281.78	483.35	53.19	43691.7	LOD	911.95	LOD	LOD	LOD	LOD	LOD	LOD	114.98	LOD	LOD	70.53

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1219	1	90	32.51	480.59	LOD	1858.46	LOD	47.17	41540.5	LOD	982.57	LOD	LOD	27.58	LOD	LOD	LOD	LOD	LOD	LOD	94.51
PCS 1220	1	90	43.9	1094.2	LOD	1362.99	LOD	LOD	22650.1	LOD	780.08	LOD	LOD	17.85	LOD	35.29	LOD	151.5	LOD	LOD	56.94
PCS 1221	1	90	45.03	710.84	LOD	7863.79	LOD	53.73	38485.8	LOD	820.57	11.76	LOD	LOD	LOD	50.53	LOD	130.89	LOD	LOD	52.61
PCS 1222	1	90	48.56	523.4	LOD	7784.82	361.73	67.55	44260.2	LOD	796.06	LOD	LOD	LOD	LOD	LOD	LOD	95.2	LOD	LOD	55.32
PCS 1223	1	90	13.12	451.62	LOD	1805.05	338.7	60.97	44981.1	LOD	1082.98	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	54.41
PCS 1224	1	90	18.23	614.54	LOD	7757.28	374.36	45.23	41671.1	LOD	906.69	9.66	LOD	16.96	LOD	LOD	LOD	LOD	LOD	LOD	60.73
PCS 1225	1	90	95.96	546.19	LOD	9254.53	365.23	LOD	46548.9	LOD	964.39	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	68.35
PCS 1226	1	90	LOD	473.2	LOD	7881.27	LOD	55.62	42548	LOD	785.86	LOD	LOD	18.53	LOD	LOD	LOD	LOD	LOD	LOD	72.17
PCS 1227	1	90	17.84	517.65	LOD	6562.17	LOD	52.83	32619.2	LOD	725.4	10.8	LOD	22.74	LOD	LOD	LOD	97.18	LOD	LOD	58.18
PCS 1228	1	90	15.35	513.57	LOD	6932.49	LOD	61.21	36517.1	LOD	707.93	LOD	LOD	21.03	LOD	LOD	LOD	LOD	LOD	LOD	57.09
PCS 1229	1	90	17.29	524.65	LOD	7281.05	327.79	46.11	38872.6	LOD	883.92	13.48	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	68.13
PCS 1230	1	90	LOD	507.02	LOD	6268.88	LOD	57.07	32779.2	LOD	753.11	LOD	LOD	19.11	LOD	LOD	LOD	LOD	LOD	LOD	65.6
PCS 1231	1	90	22.05	433.67	LOD	1951.72	LOD	52.05	37761.2	LOD	705.3	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	61.52
PCS 1232	1	90	26.88	427.03	LOD	10027.4	LOD	81.18	43528.1	LOD	1167.92	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	70.84
PCS 1233	1	90	18.04	447.49	LOD	9399.91	481.28	80.56	47645.3	LOD	870.5	LOD	LOD	20.05	23816.4	LOD	LOD	114.85	LOD	LOD	77.39
PCS 1234	1	90	22.34	513.13	LOD	9324.47	328.71	92.88	39419.8	LOD	812.14	LOD	LOD	LOD	LOD	LOD	LOD	124.78	LOD	LOD	44.01
PCS 1235	1	90	LOD	424.76	LOD	7978.32	352.42	87.77	41674.5	LOD	1009.61	LOD	LOD	19.33	LOD	LOD	LOD	LOD	LOD	LOD	51.84
PCS 1236	1	90	15.63	463.64	LOD	14883.2	324.24	97.03	40332.3	LOD	967.94	LOD	LOD	20.65	LOD	LOD	LOD	LOD	LOD	LOD	41.91
PCS 1237	1	90	15.81	338.81	LOD	9320.93	395.03	82.55	41103.3	LOD	536.36	LOD	LOD	15.95	LOD	LOD	LOD	LOD	LOD	LOD	30.48
PCS 1238	1	90	LOD	417.32	LOD	17667.1	LOD	68.94	40466.9	LOD	734.86	LOD	LOD	17.86	20700.8	LOD	LOD	LOD	LOD	LOD	50.84
PCS 1239	1	90	13.33	405.11	LOD	15006.6	LOD	57.19	39715.9	LOD	782.65	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	49.32
PCS 1240	1	90	LOD	397.06	LOD	10389	LOD	87.48	33149.3	LOD	495.29	LOD	LOD	28.85	LOD	LOD	LOD	LOD	LOD	LOD	41.68
PCS 1241	1	90	LOD	149.82	LOD	1376.41	375.93	117.5	41094.2	LOD	581.22	LOD	LOD	19.03	LOD	LOD	LOD	LOD	LOD	LOD	62.74
PCS 1242	1	90	35.35	341.79	LOD	6323.74	LOD	90.76	61800	LOD	808.23	LOD	LOD	18.07	LOD	LOD	LOD	LOD	LOD	LOD	LOD
PCS 1243	1	90	44	342	LOD	552.81	764.75	116.01	77758.7	LOD	185.75	LOD	LOD	17.54	LOD	LOD	11.82	74.29	LOD	LOD	44
PCS 1244	1	90	45.9	346.2	LOD	3227.11	421.23	86.29	60363.7	LOD	271.16	9.69	LOD	18.06	LOD	LOD	9.98	LOD	LOD	LOD	45.35
PCS 1245	1	90	18.15	294.82	LOD	4295.22	453.99	66.44	43816.9	LOD	303.82	LOD	LOD	17.89	LOD	56.81	LOD	LOD	LOD	LOD	21.47
PCS 1246	1	90	32.2	249.23	LOD	3168.32	227.56	LOD	24275.6	LOD	LOD	8.96	LOD	20.88	LOD	LOD	8.33	108.3	LOD	LOD	LOD
PCS 1247	1	90	37.17	344.93	LOD	587.71	LOD	60.33	35147.8	LOD	LOD	LOD	LOD	LOD	LOD	LOD	8.17	95.83	LOD	LOD	LOD
PCS 1248	1	90	36.48	352.74	75.72	3079.03	LOD	67.69	35181.2	LOD	559.02	10.07	LOD	28.27	LOD	35.9	8.21	132.56	LOD	LOD	36.98
PCS 1249	1	90	21.5	283.22	LOD	525.14	291.16	LOD	28290.1	LOD	182.64	16.12	LOD	47.89	LOD	45.37	LOD	122.13	LOD	LOD	LOD
PCS 1250	1	90	63.94	318.24	LOD	4805.02	520.77	74.76	48299.1	LOD	302.81	21.15	LOD	62.04	LOD	LOD	LOD	LOD	LOD	LOD	21.97
PCS 1251	1	90	32.63	331.65	LOD	3369.71	562.45	97.2	54481.4	LOD	354.66	23.41	LOD	126.64	LOD	36.01	10.66	LOD	LOD	LOD	43.56
PCS 1252	1	90	LOD	362.03	LOD	3101.18	LOD	99.28	42413.6	LOD	507.51	19.92	LOD	69.62	LOD	LOD	LOD	LOD	LOD	LOD	111.13
PCS 1253	1	90	54.26	363.35	LOD	580.63	343.16	66.05	38473.7	LOD	LOD	12.56	LOD	127.67	LOD	LOD	13.62	87.21	LOD	LOD	31.79
PCS 1254	1	90	47.44	373.69	LOD	4149.77	508.34	93.77	46889.6	LOD	493.75	LOD	LOD	39.66	LOD	LOD	LOD	LOD	LOD	LOD	33.22
PCS 1255	1	90	45.63	344.27	LOD	2311.23	LOD	91.75	42330.3	LOD	295.36	10.78	LOD	36.08	LOD	LOD	LOD	75.26	LOD	LOD	24.87
PCS 1256	1	90	51.27	348.53	LOD	3372.77	318.87	67.7	40787.4	LOD	496.34	10.64	LOD	40.87	LOD	LOD	LOD	86.82	LOD	LOD	29.94
PCS 1257	1	90	40.44	291.25	LOD	1154.05	325	82.67	35871.4	LOD	312.15	18.34	LOD	36.75	LOD	LOD	LOD	LOD	LOD	LOD	57.33
PCS 1258	1	90	30.75	262.76	LOD	7007.06	411.5	102.59	39434.8	LOD	889.92	LOD	LOD	14.3	LOD	LOD	LOD	LOD	LOD	LOD	71.41
PCS 1259	1	90	78.06	385.46	LOD	364.88	936.01	76.23	72770.3	LOD	223.39	21.05	LOD	60.36	LOD	27.54	28.48	95.05	LOD	LOD	33.49
PCS 1260	1	90	54.25	272.52	LOD	4829.18	355.13	87.3	39638.9	LOD	745.81	LOD	LOD	23.78	LOD	LOD	LOD	89.58	LOD	LOD	67.55
PCS 1261	1	90	27.84	329.17	LOD	6313	416.97	86.8	46796.1	LOD	751.9	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	42.5

Sample Number	Number of readings	Average Duration	Niton value - average of readings																		
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1262	1	90	27.43	351.04	LOD	6300.34	LOD	74.01	46964.3	LOD	474.26	LOD	LOD	16.27	LOD	LOD	LOD	LOD	LOD	LOD	50.04
PCS 1263	1	90	29.2	283.33	LOD	2034.03	LOD	60.33	38799.6	LOD	344.9	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	26.2
PCS 1264	1	90	16.96	319.75	LOD	1910.41	407.11	82.96	43317.3	LOD	576.31	LOD	LOD	16.93	LOD	LOD	LOD	LOD	LOD	LOD	49.05
PCS 1265	1	90	25.23	338.94	LOD	1803.25	LOD	LOD	38239.2	LOD	519.38	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	41.5
PCS 1266	1	90	25.13	409.12	LOD	1780.35	415.74	52.57	46266.5	LOD	808.13	10.14	LOD	22.58	LOD	LOD	LOD	88.92	LOD	LOD	59.02
PCS 1267	1	90	47.68	339.44	LOD	5694.86	418.48	50.02	38353.1	LOD	548.39	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	49.25
PCS 1268	1	90	36.58	392.96	LOD	4638.55	LOD	47.65	34790.3	LOD	589.87	LOD	LOD	14.38	LOD	LOD	LOD	LOD	LOD	LOD	46.07
PCS 1269	1	90	32.93	330.14	LOD	6128.13	LOD	63.98	38396	LOD	641.25	10.17	LOD	20.66	LOD	LOD	LOD	LOD	LOD	LOD	67.77
PCS 1270	1	90	19.77	331.25	LOD	9303.98	LOD	82.34	39378.4	LOD	1004.6	9.75	LOD	14.05	21527.2	LOD	LOD	LOD	LOD	LOD	54.9
PCS 1271	1	90	17.85	327.04	LOD	1549.05	LOD	73.73	40346.2	LOD	729.84	LOD	LOD	27.88	LOD	LOD	LOD	LOD	LOD	LOD	64.35
PCS 1272	1	90	14.6	329.45	LOD	5992.48	LOD	120.91	33978.7	LOD	583.02	LOD	LOD	14.96	LOD	LOD	LOD	74.67	LOD	LOD	59.97
PCS 1273	1	90	31.37	412.28	LOD	1599.82	LOD	LOD	35341.1	LOD	931.43	LOD	LOD	20.32	LOD	LOD	LOD	88.04	LOD	LOD	46.19
PCS 1274	1	90	21.71	423.65	LOD	8905.64	LOD	49.42	35614.2	LOD	881.69	LOD	LOD	18.03	LOD	LOD	LOD	LOD	LOD	LOD	56.19
PCS 1275	1	90	26.05	474.66	LOD	7849.06	LOD	88.01	34564.2	LOD	701.75	LOD	LOD	LOD	LOD	LOD	LOD	100.63	LOD	LOD	69.61
PCS 1276	1	90	18.4	445.76	LOD	1885.47	LOD	100.57	35323.6	LOD	848.75	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	50.95
PCS 1277	1	90	71.07	426.5	LOD	1596.78	383.29	109.22	40474.3	LOD	983.62	LOD	LOD	LOD	LOD	28.6	LOD	88.6	LOD	LOD	59.44
PCS 1278	1	90	25.23	401.58	LOD	11581.2	LOD	123.41	47219.3	LOD	898.12	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	60.12
PCS 1279	1	90	32.31	518.92	LOD	1783.73	315.81	52.01	38251.5	LOD	775.04	LOD	LOD	LOD	LOD	LOD	LOD	88.84	LOD	LOD	59.37
PCS 1280	1	90	26.81	539.7	LOD	7609.39	LOD	97.83	45164.8	LOD	869.39	LOD	LOD	22.57	LOD	LOD	LOD	126.07	LOD	LOD	56.22
PCS 1281	1	90	20.99	529.87	LOD	6106.88	285.62	66.59	30557.4	LOD	589.34	LOD	LOD	20.1	LOD	LOD	LOD	LOD	LOD	LOD	62.7
PCS 1282	1	90	42.97	346.42	LOD	2113.54	349.52	78.93	43461	LOD	806.47	LOD	LOD	20.66	LOD	LOD	LOD	LOD	LOD	LOD	61.61
PCS 1283	1	90	22.84	312.41	LOD	1768.71	398.44	73.62	37565.7	LOD	668.51	LOD	LOD	16.36	LOD	LOD	LOD	LOD	LOD	LOD	62.53
PCS 1284	1	90	30.82	519.73	LOD	7176.57	LOD	56.38	26676.9	LOD	590.34	LOD	LOD	24.03	LOD	LOD	LOD	73.48	LOD	LOD	61.09
PCS 1285	1	90	35.3	692.78	LOD	1573.53	LOD	43.16	18643.3	LOD	426	LOD	LOD	LOD	LOD	LOD	LOD	121.89	LOD	LOD	34.85
PCS 1286	1	90	LOD	664.62	LOD	7113.37	LOD	54.95	17386.4	LOD	425.85	LOD	LOD	17.31	LOD	LOD	LOD	LOD	LOD	LOD	32.62
PCS 1287	1	90	17.58	536.44	LOD	8999.28	LOD	LOD	24229	LOD	741.39	LOD	LOD	15.53	LOD	LOD	LOD	LOD	LOD	LOD	61.2
PCS 1288	1	90	21.49	554.66	LOD	2387.4	277.65	49.24	28163.3	LOD	658.31	LOD	LOD	22.69	LOD	37.55	LOD	84.77	LOD	LOD	61.16
PCS 1289	1	90	13.32	432.07	LOD	14610.9	392.66	96.38	45310.1	LOD	815.58	LOD	LOD	15.7	LOD	LOD	LOD	85.28	LOD	LOD	63.82
PCS 1290	1	90	21.99	395.76	LOD	2885.45	LOD	119.71	44151.3	LOD	765.88	LOD	LOD	LOD	LOD	28.07	LOD	101.66	LOD	LOD	58.2
PCS 1291	1	90	18.13	407.61	LOD	2020.11	330.01	103.05	39540.8	LOD	696.65	LOD	LOD	19.25	LOD	30.3	LOD	99.91	LOD	LOD	32.19
PCS 1292	1	90	LOD	523.08	LOD	10163.8	349.55	113.27	39750.2	LOD	892.36	LOD	LOD	21.37	LOD	LOD	LOD	LOD	LOD	LOD	64.56
PCS 1293	1	90	15.38	489.29	LOD	7667.93	LOD	72.62	36164.7	LOD	711.62	LOD	LOD	20.47	LOD	LOD	LOD	93.44	LOD	LOD	57.05
PCS 1294	1	90	29.04	428.95	LOD	9000.32	LOD	56.03	40416.6	LOD	793.98	9.33	LOD	15.83	LOD	LOD	LOD	LOD	LOD	LOD	53.74
PCS 1295	1	90	30.86	416.06	LOD	1362.87	LOD	58.17	38059.7	LOD	864.35	9.77	LOD	19.03	LOD	LOD	LOD	LOD	LOD	LOD	53.32
PCS 1296	1	90	26.21	433.5	LOD	2289	LOD	LOD	34257.2	LOD	772.31	LOD	LOD	17.52	LOD	LOD	LOD	94.03	LOD	LOD	55.36
PCS 1297	1	90	43.38	573.84	LOD	7105.09	349.51	101.02	43996.9	LOD	895.79	LOD	LOD	LOD	LOD	26.72	LOD	120.34	LOD	LOD	64.37
PCS 1298	1	90	22.36	431.99	LOD	1461.68	345.01	108.08	36829.3	LOD	663.12	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	59.61
PCS 1299	1	90	53.01	505.04	LOD	7366.25	LOD	126.67	43711.8	LOD	866.73	LOD	LOD	LOD	LOD	28.76	LOD	112.17	LOD	LOD	65.51
PCS 1300	1	90	28.12	449.81	LOD	8421.1	379.94	84.73	42711.2	LOD	804.27	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	48.15
PCS 1301	1	90	31.34	259.33	LOD	5480.18	568.09	99.95	54133.9	LOD	883.09	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	62.74
PCS 1302	1	90	38.42	336.84	LOD	1266.31	544.73	120.63	56939.3	LOD	482.28	LOD	LOD	LOD	LOD	LOD	LOD	95.98	LOD	LOD	48.6
PCS 1303	1	90	26.94	370.43	LOD	2284.13	LOD	100.8	46071.4	LOD	1099.25	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	74.7
PCS 1304	1	90	22.68	380.01	LOD	2332.15	LOD	94.48	50920.6	LOD	999.66	LOD	LOD	16.78	LOD	LOD	LOD	LOD	LOD	LOD	59.3

Sample Number	Number of readings	Average Duration	Niton value - average of readings																	
			As ppm	Ba ppm	Bi ppm	Ca ppm	Co ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	U ppm	W ppm	Zn ppm
PCS 1305	1	90	71.81	256.52	LOD	1508.52	LOD	113.05	70178.6	LOD	425.47	LOD	LOD	36.72	LOD	LOD	15.1	LOD	LOD	LOD	51.76
PCS 1306	1	90	16.39	383.65	LOD	1340.33	LOD	45.78	15876.2	LOD	808.74	8.55	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	30.14
PCS 1307	1	90	LOD	368.75	LOD	5809.73	LOD	LOD	11509.3	LOD	340.32	LOD	LOD	LOD	LOD	28.81	LOD	72.37	LOD	LOD	27.46
PCS 1308	1	90	LOD	356.21	LOD	1529.14	LOD	LOD	15750.2	LOD	797.54	LOD	LOD	14.57	LOD	LOD	LOD	LOD	LOD	LOD	46.96
PCS 1309	1	90	LOD	542.39	LOD	1143.77	LOD	52.7	17322.3	LOD	505.2	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	34.54
PCS 1310	1	90	LOD	617.01	LOD	3998.3	LOD	LOD	11418.8	LOD	137.15	LOD	LOD	LOD	LOD	LOD	LOD	69.44	LOD	LOD	LOD
PCS 1311	1	90	15.71	390.39	LOD	2240.69	395.65	62.28	43369.5	LOD	889.41	LOD	LOD	LOD	LOD	LOD	LOD	109.65	LOD	LOD	66.56
PCS 1312	1	90	LOD	469.77	LOD	3526.7	LOD	108.68	50065	LOD	680.55	LOD	LOD	19.71	LOD	LOD	LOD	109.28	LOD	LOD	49.29
PCS 1313	1	90	14.21	232.31	LOD	1826.26	LOD	106.17	38844.6	LOD	713.54	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	65.92
PCS 1314	1	90	LOD	343.59	LOD	12505	LOD	148.45	49419.5	LOD	1004.55	LOD	LOD	LOD	LOD	26.72	LOD	76.86	LOD	LOD	38.51
PCS 1315	1	90	14.57	423.86	LOD	7140.02	LOD	99.46	32079.4	LOD	519.2	LOD	LOD	18.68	LOD	LOD	LOD	75.12	LOD	LOD	52.02
PCS 1316	1	90	LOD	423.54	LOD	8170.39	389.35	91.41	31859.7	LOD	524.29	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	53.94
PCS 1317	1	90	LOD	312.24	LOD	7437.66	409.27	98.83	47093.4	LOD	674.48	LOD	LOD	27.56	LOD	LOD	LOD	LOD	LOD	LOD	62.31
PCS 1318	1	90	13.55	430.21	LOD	6377.94	LOD	80.23	29915.2	LOD	414.41	LOD	LOD	16.86	LOD	LOD	LOD	96.78	LOD	LOD	56.65
PCS 1319	1	90	LOD	459.56	LOD	10284.1	LOD	66.22	32455.8	LOD	627.25	LOD	LOD	16.18	LOD	LOD	LOD	LOD	LOD	LOD	42.04
PCS 1320	1	90	LOD	362.94	LOD	9225.53	LOD	98.7	38055.2	LOD	984.53	LOD	LOD	21.06	LOD	LOD	LOD	LOD	LOD	LOD	50.37
PCS 1321	1	90	LOD	421.97	LOD	1944.06	515.49	67.48	34467.7	LOD	606.08	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	LOD	71.71

Sample Number	Number of readings	Average Duration	Niton error - average of readings																		
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCS 1001	1	90	12.09	40.76	44.31	705.24	205.55	30.83	696.19	16.19	139.15	9.01	93.92	13.53	17420	17.64	6.64	49.1	17.44	107.09	18.04
PCS 1002	1	90	8.1	38.71	45.59	635.23	302.63	31.19	695.19	16.64	142.96	8.91	89.09	13.09	18646.6	25.03	6.93	47.36	17.92	109.05	19.5
PCS 1003	1	90	12.12	49.42	45.13	220.14	181.87	30.68	619.7	15.53	132.3	6	81.42	10.34	6788.72	31.45	5.54	86.42	17.42	96.87	17.21
PCS 1004	1	90	12.78	39.21	47.68	245.41	190.3	29.76	652.19	15.8	134.93	8.84	84.44	9.85	7199.25	25.49	5.85	47.36	17.26	104.83	17.02
PCS 1005	1	90	11.91	40.31	35.21	705.77	211.65	33.48	723.34	15.71	152.61	8.86	90.53	9.77	19717.2	17.62	6.41	48.77	17.05	98.15	17.52
PCS 1006	1	90	11.19	48.65	37.3	502.29	248.94	29.65	580.68	15.29	128.66	8.99	85.41	13.08	16809	30.65	5.95	84.06	18.5	99.75	18.75
PCS 1007	1	90	12.03	50.41	46.01	684.06	346.64	34.4	805.52	17.03	168.76	9.39	90.78	9.94	19663.7	32.58	5.71	90.51	21.49	110.46	21.26
PCS 1008	1	90	12.61	40.12	43.05	264.15	351.32	31.96	820.52	15.44	155.72	9.19	93.49	10.29	8113.15	26.58	6.51	49.29	20.21	95.33	20.97
PCS 1009	1	90	8.04	38.35	43.96	563.91	308.85	31.39	710.23	16.1	150.55	8.96	92.68	13.06	18882.6	24.84	5.19	68.21	17.93	106.88	19.82
PCS 1010	1	90	11.12	38.38	42.58	614.08	329.71	32.33	764.74	15.78	149.67	9.09	90.95	12.93	19199.8	24.81	6.36	68.99	16.63	103.07	18.83
PCS 1011	1	90	12.21	42.47	59.14	555.81	235.27	36.5	793.11	17.58	151.02	9.65	102.83	14.11	17746	18.77	6.8	52.11	17.73	112.88	21.93
PCS 1012	1	90	11.81	46.21	45.13	282.69	239.74	31.33	820.34	16.96	153.96	8.64	91.87	13.82	8238.77	30.53	6.34	84.18	16.51	111.52	20.06
PCS 1013	1	90	13.68	39.46	39.48	546.29	309.04	31.48	720.6	16.31	139.14	9.08	84.62	11.26	17407.4	25.3	6.65	47.13	19.94	96.83	18.65
PCS 1014	1	90	12.77	48.27	42.72	557.37	195.44	29.8	671.99	15.3	134.8	6.11	88.32	9.6	17105.8	30.87	5.15	85.37	20.39	100.69	18.02
PCS 1015	1	90	9.12	47.5	46.45	511.4	189.04	32.35	645.21	16.36	145.35	8.98	91	14	17554.7	30.65	7.09	84.52	21.1	98.81	16.29
PCS 1016	1	90	8.9	40.7	37.16	556.89	251.68	29.01	591.01	15.77	123.8	8.75	84.95	9.97	15821.6	25.53	6.77	47.26	22.45	96.64	16.49
PCS 1017	1	90	8.12	38.55	39.52	207.16	168.81	27.71	575.46	14.81	115.02	8.93	79.08	13.49	5058.54	24.84	5.85	68.92	19.27	97.46	17.6
PCS 1018	1	90	11.88	47.45	47.39	197.89	284.24	30.92	658.36	15.65	140.91	6.17	83.93	13.44	7073.35	30.49	6.04	56.88	18.79	95.88	18.41
PCS 1019	1	90	12.73	46.94	44.9	437.99	147.86	27.4	497.14	15.22	105.14	6.03	78.86	11.09	15237	28.87	6.06	81.27	18.87	93.12	14.86
PCS 1020	1	90	13.26	46.66	37.47	222.32	203.54	38.05	461.5	13.78	91.05	8.67	78.52	10.66	6295.37	20.75	5.63	57.32	16.11	92.57	15.7
PCS 1021	1	90	12.4	39.09	46	170.05	217.33	28.32	494.63	13.96	127.97	9.15	81.13	9.94	6097.3	16.57	5.75	68.28	19.16	91.92	18.72
PCS 1022	1	90	13.91	50.36	38.65	494.06	139.96	40.05	468.85	14.08	107.96	8.88	82.66	11.16	11810.1	31.25	5.83	86.67	25.55	91.3	16.89
PCS 1023	1	90	14.72	37.94	51.98	221.25	178.63	32.77	606.26	15.7	121.49	8.84	87.56	9.64	7009.73	24.72	6.07	67.96	20.39	102.42	17
PCS 1024	1	90	9.3	39.73	49.99	595.91	263.37	41.51	602.98	15.61	129.49	8.93	86.57	9.58	12589.8	17.26	6.34	47.86	21.01	107.27	19.42
PCS 1025	1	90	12.5	38.24	40.52	590.87	189.92	30.89	652.64	15.54	132.93	9.11	81.48	9.54	19536.1	24.45	5.91	68.02	19.61	97.03	18.32
PCS 1026	1	90	12.94	49.43	43.24	284.78	222.33	30.54	762.63	16.21	168.43	8.97	95.5	10.02	6881.58	21.49	7.22	88.01	20.26	105.46	22.44
PCS 1027	1	90	10.08	51.79	44.7	617.28	302.83	32.31	697.61	16	147.83	6.21	90.61	11.11	16564.3	22.28	6.6	61.8	20.44	103.59	17.37
PCS 1028	1	90	14.04	40.09	53.31	619.22	213.16	33.31	730.43	16.11	143.5	8.97	89.46	10.44	19245.4	25.81	6.38	48.54	19.64	105.28	19.48
PCS 1029	1	90	9.28	40.65	47.96	244.79	316.17	30.71	729.52	15.82	148.51	9.14	94.26	9.84	5589.18	17.8	6.11	48.81	19.45	103.54	18.51
PCS 1030	1	90	9.5	47.14	40.44	610.39	204.57	29.99	702.28	14.8	122.86	8.46	80.13	13.02	19842	30.93	6.85	85.7	14.53	92.75	15.55
PCS 1031	1	90	9.95	49.44	45.85	184.9	227.82	29.81	786.59	15.16	138.01	8.93	87.52	10.07	7463.81	32.78	7.02	90.56	15.68	97.73	16.43
PCS 1032	1	90	10.11	37.78	39.75	204.37	213.67	32.76	734.37	15.95	137.7	8.7	87.23	9.45	6031.87	16.82	6.74	69.3	15.65	102.92	17.77
PCS 1033	1	90	9.95	37.65	50.24	486.15	287.36	28.55	665.89	15.07	135.21	8.9	86.66	9.49	18676.2	24.49	6.11	67.78	16.33	93.37	17.46
PCS 1034	1	90	12.06	36.29	43.53	367.3	244.54	27.98	564.62	14.19	90.39	6.46	78.16	12.65	15785.1	24.31	6.45	45.57	13.89	89.6	19.37
PCS 1035	1	90	10.77	33.32	50.25	168.14	142.02	25.7	479.5	13.81	83.18	5.91	75.17	10.72	7981.27	22.29	5.5	62.47	12.75	89.49	18.48
PCS 1036	1	90	9.96	44.54	46.96	164.6	208.53	31.04	713.79	15.43	132.15	8.73	82.1	9.27	4709.67	29.74	6.74	55.57	14.16	94.18	15.99
PCS 1037	1	90	10.19	36.16	55.2	390.7	224.66	30.7	763.36	15.5	122.82	8.93	93.81	13.93	16912	23.98	5.19	67.81	16.23	95.62	14.95
PCS 1038	1	90	10.21	44.79	46.58	405.06	286.51	40.22	673.5	13.97	111.01	8.67	82.24	12.64	18431	30.11	6.88	82.8	13.74	94.98	15.99
PCS 1039	1	90	10.06	36.45	45.56	162.85	214.38	32.6	736.94	15.8	139.52	5.91	85.45	9.66	7288.93	24.5	6.73	68.05	15.53	91.07	14.6
PCS 1040	1	90	11.19	57.22	40.03	167.63	247.82	33.54	848.7	16.74	145.43	8.53	86.48	14	7893.6	37.85	5.55	103.81	15.9	107.7	21.2
PCS 1041	1	90	11.2	39.05	45.8	375.05	233.86	30.24	805.89	15.17	109.24	8.82	84.92	10.62	16019.6	25.9	5.11	48.02	18.53	95.52	16.04
PCS 1042	1	90	11.15	39.38	47.2	371.31	348.02	29.1	803.22	16.81	135.2	6.12	86.65	14.03	18788.7	17.8	7.15	48.62	13.73	106.97	20.49
PCS 1043	1	90	12.68	38.19	47.03	378.02	356.78	28.9	824.69	15.69	136.62	8.93	88.45	10.2	18257.9	24.95	7.87	69.63	15.54	96.03	18.79

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCS 1044	1	90	14.66	51.02	51.89	136.54	364.83	29.59	851.07	15.12	144.72	6.23	93.81	11.3	7137.99	22.74	7.58	93.42	17.24	99.25	20.21
PCS 1045	1	90	16.12	48.77	50.73	160.2	393.58	30.54	912.4	17.22	122.78	6.45	92.99	11.3	7705.7	31.85	5.77	59.28	18.09	107.79	22.37
PCS 1046	1	90	15.85	51.6	54.55	385.34	282.24	32.61	973.82	16.64	176.62	9.59	104.98	11.98	18975.6	32.92	8.39	91.46	18.63	113.26	21.45
PCS 1047	1	90	11.59	35.17	37.3	141.18	247.24	37.23	568.49	14.23	88.06	5.75	80.28	10.31	5361.63	23.91	6.45	44.21	12.07	92.99	18.81
PCS 1048	1	90	12.43	37.51	49.01	392.39	325.31	39.89	756.11	15.45	103.42	9.01	81.54	10.73	17179.9	24.89	7.55	68.54	17.38	96.3	19.21
PCS 1049	1	90	10.31	39	44.12	204.2	389.27	36.53	900.13	16.49	169.89	9.13	95.77	14.45	7176.54	26.12	7.77	72.52	14.37	103.44	23.04
PCS 1050	1	90	12.98	38.52	53.39	391.02	246.08	35.07	845.34	16.88	113.06	6.46	89.37	15.86	20262.7	25.2	7.11	70.19	17.05	100.36	18.26
PCS 1051	1	90	11.95	46.42	44.53	405.56	212.72	31.33	732.24	14.72	145.04	8.82	87.08	11.7	19050.8	30.4	5.92	84.45	15.18	92.61	15.06
PCS 1052	1	90	16.17	40	58.56	379.33	284.18	33.9	986.06	17.35	177.31	6.62	92.39	13.74	19206.3	26.64	8.02	49.68	15.67	118.1	16.46
PCS 1053	1	90	13.01	38.24	47.48	162.42	223.51	31.5	763.92	15.88	139.09	9.05	86	11.76	6475.71	25.24	7.29	46.77	15.29	104.59	15.36
PCS 1054	1	90	12.86	42.17	50.56	379.75	268.7	40.1	615.47	15.36	99.97	6.14	82.02	12.77	14893	27.62	4.93	77.32	15.14	89.7	14.54
PCS 1055	1	90	13.81	37.25	58.85	341.38	277.04	38.19	639	15.14	127.19	8.93	79.21	10.67	16450.3	24.54	6.18	68.38	16.54	94.64	18.34
PCS 1056	1	90	10.6	35.01	36.98	349.15	199.48	36.17	468.05	14.62	79.48	5.82	77.7	11.09	15238.3	23.43	4.97	64.67	13.26	92.5	17.64
PCS 1057	1	90	9.41	58.69	46.66	179.03	285.21	31.65	657.94	14.15	134.92	5.93	82.84	13.02	7422.68	38.64	5.88	109.71	15.39	91.27	16.99
PCS 1058	1	90	8.65	45.76	42.18	504.68	195.12	33.34	668.17	14.85	143.51	8.68	81.9	9.55	16570.9	29.92	5.49	83	19.32	94.19	18.53
PCS 1059	1	90	9.42	47.72	45.62	257.51	180.52	27.59	619.38	14.39	113.98	8.83	79.28	9.84	7111.41	31.04	6.2	86.69	15.85	91.57	16.57
PCS 1060	1	90	9.34	35.51	42.64	648.99	188.88	27.79	648.29	14.31	117.79	8.6	80.45	9.65	18844.7	23.34	5.69	64.72	15.45	89.79	14.72
PCS 1061	2	90	9.1	38.935	42.035	479.22	188.41	27.83	642.69	13.525	107.11	8.6	82.465	9.415	15495.9	26.01	5.695	72.92	14.685	90.095	14.67
PCS 1062	1	90	8.24	42.07	33.77	480.66	181.18	27.36	621.09	13.2	132.75	8.41	78.04	9.02	17543.8	27.81	5.72	77.16	14.21	80.35	14.27
PCS 1063	1	90	9.06	36.64	50.77	234.12	306.9	29.88	708.4	14.22	114.04	8.74	87.78	12.84	7437.66	23.85	6.24	66.79	15.51	88.75	13.99
PCS 1064	1	90	9.24	45.17	38.67	464.13	212.91	32.09	733.82	14.26	135.76	5.89	87.3	12.63	14727.9	29.54	5.78	81.85	14.95	91.83	15.7
PCS 1065	1	90	9.63	37.11	46.5	463.31	207.07	31.07	714.5	16.32	141.16	8.57	80.8	12.12	18013.3	16.66	6.09	45.86	16.3	99.11	16.59
PCS 1066	1	90	10.57	36.82	40.13	189.69	254.62	30.46	583.84	14.95	112.15	8.76	80.53	9.29	7916.98	23.84	5.59	65.67	18.1	99.92	16.45
PCS 1067	1	90	9.09	45.3	42.02	170.45	197.05	38.75	452.86	13.95	97.38	8.7	76.4	9.28	5861.96	28.74	6.46	79.4	18.23	96.14	13.59
PCS 1068	1	90	12.52	50.83	38.46	408.48	250.28	27.58	575.32	16	114.06	8.98	79.49	9.45	13674.8	31.77	6.22	87.63	17.33	98.81	14.42
PCS 1069	1	90	8.25	45.2	44.44	448.74	244.83	28.38	560.72	14.42	117.69	8.86	77.18	13.32	16595.5	28.12	6.17	52.82	18.87	95.89	17.37
PCS 1070	1	90	12.52	47.02	39.73	411.06	161.71	37.56	549.01	14.09	105.22	8.97	81.48	9.85	15318.9	20.19	6	82.72	17.65	100.9	13.97
PCS 1071	1	90	7.88	38.3	43.23	178.43	214.44	27.02	490.65	14.36	109.32	6.06	78.3	12.94	6206.74	24.29	5.76	45.65	16.7	92.05	16.29
PCS 1072	1	90	11.3	37.99	41.74	649.18	220.09	32.59	758.55	15.17	144.36	8.85	93.09	13.03	17082.2	25.28	6.04	70.81	14.39	99.58	19.49
PCS 1073	1	90	11.58	49.13	44.95	250.38	283.54	32.32	655.51	15.53	131.42	8.79	86.57	8.98	7257.73	31.43	5.25	88.17	15.99	101.14	17.16
PCS 1074	1	90	11.89	38.56	45.34	205.44	208.57	38.44	476.5	14.47	105.48	8.8	74.86	10.09	8294.43	23.98	5.57	45.27	19.92	92	15.59
PCS 1075	1	90	11.99	38.98	39.91	185.84	223.22	28.81	512.98	14.83	106.15	8.83	80.45	9.02	6708.07	16.48	5.55	45.17	18.07	100.46	15.21
PCS 1076	1	90	8.45	59.53	36.61	475.55	176.84	28.46	604.16	15.03	122.61	8.96	87.76	9.24	16052.7	38.18	5.97	105	18.39	92.31	16.94
PCS 1077	1	90	11.6	52.41	45.8	192.96	220.86	31.14	516.92	14.71	125.92	9.08	78.23	9.6	7126	32.15	6.9	59.77	20.85	94.24	16.76
PCS 1078	1	90	12.53	65.34	40.75	222.99	288.52	32.82	664.86	15.66	131.77	8.97	86.27	14.79	6472.73	42.13	6.22	119.04	21.16	93.73	18.55
PCS 1079	1	90	12.05	40.11	43.12	642.59	278.48	29.99	640.34	15.8	142.5	8.99	85.67	14.26	17809.6	25.74	7.15	47.59	19.62	101.68	16.48
PCS 1080	1	90	12.17	40.36	39.69	572.93	268.46	31.08	621.41	16.17	136.15	8.93	80.02	9.74	17487.8	25.65	6.11	47.83	19.02	103.19	17.99
PCS 1081	1	90	11.71	51.4	46.68	605.21	220.63	32.97	757.23	16.99	159.45	9.25	91.98	13.71	20001.4	22.46	6.14	62.32	19.48	107.76	19.93
PCS 1082	1	90	12.3	65.08	54.42	703.77	248.03	32.54	855.52	17.37	173.09	9.17	99.33	13.62	20806.2	43.41	6.21	120.57	17.55	110.88	20.07
PCS 1083	1	90	8.31	40.57	49.01	571.06	276.24	30.24	643.93	15.75	145.46	9.09	84.9	12.67	18591.5	17.51	6.53	48.77	17.42	110.45	18.52
PCS 1084	1	90	12.92	40.8	44.18	264.14	237.21	32.19	806.74	16.59	166.04	6.53	99.53	10.65	8214.02	17.86	6.5	48.93	17.38	104.5	21.52
PCS 1085	1	90	12.13	39.35	47.73	549.28	207	31.38	707.16	16.05	158.09	9.09	88.77	13.78	16589.8	25.65	7.14	70.69	19.32	103.58	19.86
PCS 1086	1	90	9.11	39.92	41.62	551.64	253.47	39.44	578.13	15.33	140.34	8.98	82.8	14.38	16846.4	17.02	6.27	47.53	21.32	98.1	19.82

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCS 1087	1	90	8.3	50.32	44.89	255.51	228.62	31.4	778.23	16.37	167.47	9.18	91.09	13.44	8781.13	33.03	6.32	91.26	19.28	95.35	19.47
PCS 1088	1	90	9.22	40.6	41.52	290.68	366.17	35.02	845.39	15.97	175.8	8.93	99.59	9.6	9271.9	27.08	6.1	50.28	16.32	112.49	21
PCS 1089	1	90	14.25	62.65	48.44	230.22	193.34	31.63	661.45	14.91	132.61	8.87	84.56	10.74	7557.17	40.64	6.07	114.09	18.46	94.47	16
PCS 1090	1	90	13.12	46.58	45.58	243.06	276.23	30.84	633.3	14.98	138.1	8.94	87.49	10.68	8451.93	30.04	6.63	83.56	20.04	97.77	17.19
PCS 1091	1	90	13.56	49.21	41.43	528.72	170.85	30.2	580	14.45	127.64	8.92	81.06	10.82	15730.4	31.43	6.03	87.73	21.93	101.6	18.23
PCS 1092	1	90	8.62	45.1	42.89	197.01	181.29	27.28	615.73	15.21	139.56	6.01	79.71	13.25	6373.65	29.13	5.95	81.42	19.87	94.55	17.07
PCS 1093	1	90	8.14	45.12	41.86	460.96	247.93	27.84	573.53	13.78	124.86	8.7	78.73	9.14	14212.3	29.13	5.61	80.58	18.7	89.77	17.34
PCS 1094	1	90	8.35	36.77	37.85	456.5	169.46	28.49	573.31	14.56	136.69	8.5	79.02	13.17	14775.4	23.71	5.71	66.18	19.88	100.41	17.3
PCS 1095	1	90	8.75	38.72	40.96	182.44	233.54	27.68	534.38	14.74	112.66	8.75	81.34	9.4	8124.84	24.35	6.29	45.54	20.96	101.66	17.58
PCS 1096	1	90	11.29	39.69	44.12	216.64	230.68	36.54	796.77	17.11	152.31	8.83	86.54	13.15	7406.11	25.41	7.04	70.34	18.74	107.21	20.28
PCS 1097	1	90	12.72	38.9	43.75	480.92	295.19	31.31	682.29	14.28	138.18	6.1	82.34	9.63	16427.4	25.31	5.61	69.71	20.07	96.93	19.9
PCS 1098	1	90	11.05	49.02	45.81	571.06	224.62	32.56	762.05	16.36	156.4	9.19	84.79	13.95	16537.4	31.63	7.14	87.81	19.51	104.97	19.86
PCS 1099	1	90	11.37	41.12	40.74	518.54	296.82	31.4	687.27	15.37	139.09	8.86	85.74	9.72	18086.5	17.49	6.11	48.24	20.06	103.75	18.58
PCS 1100	1	90	12.37	47.96	38.6	492.23	245.42	28.7	562.45	14.36	116.95	8.81	81.71	10.86	14676.2	29.37	6.11	81.22	21.83	96.86	18.03
PCS 1101	1	90	11.73	38.3	33.4	468.03	224.36	36.47	520.61	14.67	124.65	8.57	75.91	9.62	16508.8	23.94	5.79	66.88	20.04	94.58	16.4
PCS 1102	1	90	7.87	49.51	45.31	574.32	195.31	32.04	666.18	15.95	142.12	8.83	81.73	12.44	16627.9	30.45	5.77	85.1	22.59	94.21	19.94
PCS 1103	1	90	11.81	41.37	44.26	573.29	353.05	35.32	817.54	16.08	162.23	9.22	94.63	13.66	18409.2	17.79	5.49	48.77	18.85	97.76	18.84
PCS 1104	1	90	11.91	58.45	37.26	220.22	205.72	32.66	698.59	16.77	143.19	9.18	91.6	13.88	6855.56	33.59	6.42	92.82	23.32	105.47	19.99
PCS 1105	1	90	9.38	45.78	48.94	520.45	231.31	34.81	792.61	15.65	152.71	9.13	93.5	14.11	18463.5	18.17	6.57	49.95	23.94	101.74	18.85
PCS 1106	1	90	12.02	48.47	52.73	221.33	222.07	36.4	764.14	16.18	160.58	6.13	88.96	14.07	8468.47	19.65	6.01	80.61	22.07	106.39	19.55
PCS 1107	1	90	8.07	38.21	41.69	229.39	237.68	38.28	812.34	15.76	158.91	9.02	90.23	12.1	7300.82	24.89	6.64	47	14.65	106.8	19.34
PCS 1108	1	90	11.57	54.69	44.9	196.47	230.57	34.55	793.23	16.17	166.21	6.28	90.09	13.71	7170.46	33.41	6.66	92.69	21.16	109.99	18.29
PCS 1109	1	90	8.72	45.94	45.33	420.6	225.09	31.76	762.81	14.48	121.95	6.18	87.64	9.59	17162.7	30.72	6.69	57.62	15.3	99.04	17.17
PCS 1110	1	90	7.86	48.55	46.54	529.63	223.35	33.01	771.98	15.22	165.42	8.73	79.19	11.63	19479.4	32.23	5.69	89.07	16.52	99.54	18.94
PCS 1111	1	90	11.97	43.45	45.53	194.85	200.26	30.01	678.73	14.89	147.04	8.6	82.4	9.52	7864.09	28.62	6.04	80.14	15.08	91.62	17.69
PCS 1112	1	90	9.03	45.7	39.92	158.09	201.03	29.89	690.78	14.03	110.67	8.88	86.41	12.4	6899.92	20.4	6	56.24	15.4	96.09	20.33
PCS 1113	1	90	8.21	37.91	44.64	490.48	328.69	38.06	759.82	15.68	156.73	8.75	86.12	12.67	18161.5	25.18	6.1	46.58	15	98.02	17.97
PCS 1114	1	90	13.18	59.42	52.81	165.15	258.77	34.21	881.99	16.35	157.24	9.18	96.55	11.1	7921.24	38.84	7.87	106.87	16.22	106.63	15.16
PCS 1115	1	90	14.49	52.81	54.64	161.11	305.19	35.23	1059.38	15.22	179.31	6.64	107.1	11.18	8592.49	23.64	7.54	64.58	18.77	103.68	18.75
PCS 1116	1	90	14.84	41.66	46.47	422.87	318.94	35.76	1108.04	17.33	145.02	9.64	100.44	15.1	20129.6	27.34	5.95	75.73	17.73	106.46	17.07
PCS 1117	1	90	11.1	37.91	42.65	416.75	201.54	30.77	688.82	15.61	133.93	9.04	83.51	9.8	18090	24.68	7.03	69.07	18.53	96	20.62
PCS 1118	1	90	10.26	35.52	35.05	174.46	154.35	32.06	363.69	14.13	100.15	5.43	71.7	8.82	6336.2	23.11	4.85	42.86	18.34	89.8	17.83
PCS 1119	1	90	10.73	38.81	40.88	405.75	215.44	32.28	740.28	15.62	111.57	6.16	88.31	10.28	18738.8	25.05	7.37	47.01	18.97	91.05	18.21
PCS 1120	1	90	11.66	38.93	37.4	185.44	154.82	38.54	524.55	14.56	126.9	8.53	79.79	9.18	6791.25	24.57	5.77	67.8	18.88	91.87	16.93
PCS 1121	1	90	9.87	35.18	40.49	400.67	139.96	34.68	315.51	12.56	104.91	7.84	65.86	11.76	10166.8	22.93	5	63.28	18.35	83.94	16.48
PCS 1122	1	90	9.32	34.57	34.24	170.38	122.1	34.12	282.06	13.84	100.93	7.9	71.46	11.69	8188.35	22.64	5.16	62.55	18.32	88.67	12.84
PCS 1123	1	90	9.96	44.43	39.34	175.18	123.14	29.57	273.34	13.86	78.8	7.93	67.49	8.38	6287.33	28.59	5.23	52.98	17.36	84.05	16.55
PCS 1124	1	90	10.99	43.45	41.49	432.37	160.78	34.92	369.85	12.98	102.71	8.5	70.82	9.5	10570.3	28.81	5.95	78.96	19.88	83.36	17.54
PCS 1125	1	90	13.56	38.7	42.03	370.42	290.54	38.37	673.35	14.02	125.94	8.79	87.74	12.36	14233.7	16.8	5.2	69.38	17.15	86.17	13.7
PCS 1126	1	90	8.84	60.32	40.25	150.07	159.92	26.04	547.22	13.58	118.47	8.32	78.38	8.58	6842.55	36.28	6.11	101.32	14.6	86.61	14.69
PCS 1127	1	90	16.21	47.94	54.06	642.16	484.1	39.54	1660.45	21.15	259.18	10.87	136.99	12.68	26573.2	30.97	9.01	58.35	17.18	138.47	21.38
PCS 1128	1	90	21	56.26	71.47	233.39	939.68	78.88	3254.24	27.85	494.38	9.11	212.49	20.91	8851.27	36.23	12.22	102.11	19.31	185.57	35.69
PCS 1129	1	90	13.3	38.44	53.26	133	221.14	40.68	753.4	14.76	142.18	8.86	91.33	10.17	6071.01	17.11	7.14	47.24	13.45	98.59	19.87

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCS 1130	1	90	12.13	44.64	49.57	342.29	261.47	37.2	599	14.62	95.26	8.92	78.77	11.5	15623.9	29.54	7.08	82.16	16.19	94.76	19.67
PCS 1131	1	90	10.81	40.06	35.04	476.36	248.35	25.25	573.06	12.85	104.49	5.47	71.16	9.77	18503.5	26.81	6.08	74.29	14.11	84.38	18.02
PCS 1132	1	90	12.23	44.02	46.73	371.76	189.49	26.97	648.25	14.53	128.92	8.71	75.73	10.89	16500.2	28.22	6.8	78.6	15.19	88.88	13.36
PCS 1133	1	90	13.8	39.45	54.68	378.13	239.5	40.19	825.84	17.19	116.79	9.49	92.28	12.84	18916.8	25.26	5.51	70.11	19.84	105.08	21.31
PCS 1135	1	90	14.36	44.76	54.18	391.59	367.8	54.86	1278.11	18.65	224.44	7.27	118.07	14.81	15427.2	29.17	6.63	81.57	18.9	117.22	18.94
PCS 1136	1	90	10.98	43.93	51.38	151.03	302.45	29.79	695.76	14.99	94.95	8.59	81	13.28	6092.52	29.44	6.25	81.92	15.6	92.35	14.64
PCS 1137	1	90	9.47	47.04	53.77	584.63	196.6	29.34	676.43	15.84	132.9	8.9	86.38	9.32	16386.6	30.67	6.41	57.13	15.86	107.72	20.64
PCS 1138	1	90	8.85	46.54	48.89	150.21	277.21	26.65	636.07	13.8	134.79	8.5	77.49	12.17	7137.87	30.99	5.63	84.11	13.75	93.33	13.37
PCS 1139	1	90	9.25	33.96	38.86	179.92	185.08	24.02	428.46	12.92	98.54	8.29	70.78	9.73	6975.25	22.46	4.8	61.79	13.69	80.22	12.26
PCS 1141	1	90	12.88	46.46	47.6	353.56	257.35	39.28	594.02	14.79	128.04	5.93	83.93	10.71	11841.9	30.34	4.92	84.44	15.33	91.45	19.37
PCS 1142	1	90	11.89	35.72	41.1	396.63	179.21	26.64	611.56	14.46	100.26	8.57	80.4	11.31	17389.9	23.58	6.56	65.42	14.92	97.92	14.57
PCS 1143	1	90	10.44	47.81	42.85	160.57	246.56	37.94	565.23	13.86	94.97	8.46	76.85	10.87	7571.6	30.91	6.45	57.58	14.21	88.89	18.24
PCS 1144	1	90	8.96	49.49	51.05	597.23	217.35	34.56	749.01	15.86	153.89	9.25	92.9	12.62	19019.9	20.78	6.7	57.45	24.09	102.38	22.97
PCS 1145	1	90	11.74	42.2	48.61	438.39	309.68	32.52	720.75	16.61	105.21	9.32	86.94	13.45	17837.3	26.17	7.41	48.49	23.1	105.88	19.41
PCS 1146	1	90	10.07	44.51	47.23	172.48	229.07	40.28	524.07	14.41	94.26	8.93	85.08	11.23	6304.42	28.29	5.34	78.8	19.48	90.52	14.52
PCS 1147	1	90	11.72	47.16	39.37	510.48	294.11	29.6	676.04	16.33	129.01	9.19	85.11	13.02	18192.8	30.23	6.05	83.07	22.05	107.03	20.01
PCS 1148	1	90	11.2	44.17	47.46	387.11	188.98	37.56	431.27	13.51	116.89	5.82	77.1	8.73	10663.9	28.49	5.44	78.87	18.36	90.8	16.82
PCS 1149	1	90	11.06	35.18	38.61	455.11	154.99	37.9	524.58	14.28	114.07	5.76	76.24	12.37	11635.1	23.21	6.53	64.34	15.96	90.73	14.03
PCS 1150	1	90	9.95	57.01	39.82	199.78	166.66	33.14	386.26	13.28	104.37	8.43	73.06	8.9	6078.77	36.95	5.44	101.47	18.55	80.76	13.8
PCS 1151	1	90	9.25	34.76	35.99	390.72	131.5	32.83	298.52	13.05	77.09	7.93	68.52	8.23	10636.3	22.49	5	62.14	18.63	85.42	11.76
PCS 1152	1	90	9.69	44.78	35.75	403.97	131.93	32.25	299.79	13.46	112.56	5.39	68.68	11.94	14086.3	29.45	5.41	54.49	18.58	80.91	12.38
PCS 1153	1	90	10.28	42.33	44.38	461.44	132.53	33.18	298.09	12.66	100.44	8.1	68.33	8.47	10411.9	27.66	5.07	50.96	19.08	75.95	12.38
PCS 1154	1	90	9.69	55.05	38.04	391.76	116.93	33.15	280.02	12.27	101.51	7.89	64.68	8.62	12861.7	35.41	5.49	99.72	18.48	82.62	12.41
PCS 1155	1	90	9.72	44.05	36.05	396.33	124.31	34.32	294.43	12.92	96.2	5.48	68.08	8.7	14711	28.48	5.13	79.84	19.01	79.59	16.24
PCS 1156	1	90	9.48	42.74	41.02	373.93	124.37	32.84	281.81	12.1	72.34	8.11	65.2	12.41	10080.2	27.51	5.19	76.39	18.52	73.56	14.95
PCS 1157	1	90	11.14	38.49	42.18	206.68	226.06	38.47	516.93	14.22	121.68	8.58	79.45	9.23	6193.14	24.15	6.31	67.15	18.03	99.5	17.45
PCS 1158	1	90	13.79	41.62	59.25	389.82	292.99	35.18	1012.12	17.45	129.9	9.71	103.69	10.7	13748.2	27.47	5.89	51.74	17.71	113	17.83
PCS 1159	1	90	18.27	49.95	69.41	518.21	598.27	39.14	1392.81	18.53	174.46	10.13	113.79	12.18	22562.2	32.42	8.5	90.92	18.08	121.12	20.09
PCS 1161	1	90	9.9	34.72	44.16	163.58	205.49	26.75	702.98	13.55	99.6	8.57	79.23	8.8	7527.63	23.13	6.16	63.76	14.09	91.01	15.53
PCS 1162	1	90	9.03	41.53	46.45	394.09	254.07	28.82	601.29	13.21	100.1	8.46	78.11	9.1	15307.5	27.58	6.33	76.75	14.91	87.35	15.11
PCS 1163	1	90	11.68	46.72	47.74	152.87	357.33	31.66	827.83	15.61	154.13	6.28	93.03	11.61	6812.9	31.45	5.43	58.38	15.25	99.35	15
PCS 1164	1	90	9.33	37.25	44.38	146.29	294	28.2	681.93	14.9	130.64	8.63	79.01	9.38	6025.29	16.63	6.41	45.74	15.61	94.66	14.22
PCS 1165	1	90	8.84	36.12	45	437.76	299.58	29.43	695.55	13.76	135.19	8.81	79.86	9.48	19193.5	24.14	6.32	66.81	14.52	91.47	16.57
PCS 1166	1	90	7.95	36.6	48.09	198.38	195.59	29.63	672.1	14.84	125.04	8.66	80.98	12.23	7747.82	24.21	6.45	67.08	15.13	92.75	17.41
PCS 1167	1	90	9.42	37.44	35.41	403.24	200.65	27.86	684.71	14.85	117.21	8.71	82.63	13.07	18130.1	16.64	6.82	46.02	17.28	94.45	15.02
PCS 1168	1	90	8.15	42.33	45.94	212.1	264.53	29.8	605.18	15.88	123.82	8.72	84.93	13.29	8311.5	25.43	7.32	47	17.96	99.16	17.35
PCS 1169	1	90	8.31	59.38	37.43	521.14	312.86	29.79	726.96	14.59	150.78	8.9	85.7	13.19	13505.4	39.28	5.83	109.97	16.45	96.4	21.16
PCS 1170	1	90	12.15	39.99	46.76	515.88	239.67	40.27	547.81	14.36	122.53	9.06	78.85	9.79	12083	25.21	6.39	46.79	18.2	88.43	17.16
PCS 1171	1	90	12.3	46.87	49.04	221.4	201.32	30.64	691.61	15.45	150.59	8.86	83.33	9.6	6946.05	30.97	6.58	85.73	18.6	99.65	18.04
PCS 1172	1	90	13.57	38.32	40.88	196.88	288.97	29.86	666.34	16.76	141.8	8.81	86.23	10.94	5735.25	25.03	6.73	69.47	19.16	100.89	18.68
PCS 1173	1	90	9.21	40.38	44.95	229.03	351.66	34.68	815.17	16.99	150.77	9.34	99.87	14.6	8922.02	26.33	6.79	72.73	20.87	109.6	21.47
PCS 1174	1	90	9.18	40.87	47.59	527.43	221.25	33.67	761.4	16.14	158.96	9.25	91.34	14.13	17981.2	26.25	6.37	72.71	21.07	97.9	17.15
PCS 1175	1	90	10.92	45.93	44.85	465.67	235.34	28.26	537.79	14.61	122.18	8.92	75.62	12.97	14458.2	28.97	5.56	80.86	18.63	94.07	15.95

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCS 1176	1	90	11.42	39.69	43.33	471.35	241.99	28.44	560.75	14.87	120.14	8.81	78.88	9.57	12095.7	25.35	6.72	46.77	19.78	101.58	16.57
PCS 1177	1	90	11.53	49.4	49.5	200.49	248.36	29.88	568.05	14.38	122.07	8.92	80.43	13.67	8070.12	31.67	6.27	87.13	19.94	94.07	15.8
PCS 1178	1	90	12.1	43.7	41.88	528.52	251.95	27.42	586.68	14.69	131.69	8.81	79.34	9.41	16946.6	28.07	5.41	76.96	18.84	90.2	16.07
PCS 1179	1	90	12.42	44.33	49.79	509.7	168.43	29.34	573.33	14.66	143.78	5.92	78.48	9.47	15621.5	28.66	6.54	80.29	21.54	96.32	16.89
PCS 1180	1	90	9.82	37.83	34.35	223.68	209.73	35.44	486.57	14.35	120.33	8.55	75.84	12.39	8203.56	16.3	5.72	44.97	19.01	94.81	16
PCS 1181	1	90	10.43	46.15	41.3	529.68	280.98	30.44	656.02	14.74	136.75	8.79	84.62	12.2	18241.4	29.74	6.62	55.52	19.55	103.24	17.35
PCS 1182	1	90	11.13	49.79	46.1	548.02	331.48	32.07	774.36	16.73	168.81	9.11	93.62	14.73	15835.9	32.65	7.02	89.27	18.82	108.65	19.95
PCS 1183	1	90	11.29	40.04	48.22	650.37	239.55	33.86	825.09	16.11	177.24	8.99	93.55	13.9	20226.8	26	7.14	72.58	18.67	101.23	19.73
PCS 1184	1	90	11.31	65.64	39.48	276.89	358.06	35.47	826.03	15.17	156.47	9.01	93.5	10.44	8851.13	43.24	6.83	116.76	19.44	98.99	20.24
PCS 1185	1	90	12.19	41.97	48.44	653.54	248.47	34.4	853.31	16.4	174.68	9.34	96.74	14	19305.3	18	6.93	49.61	21.21	106.07	20.15
PCS 1186	1	90	12.21	41.22	49.68	240.38	259	30.46	594.58	14.78	132.15	8.96	85.3	13.92	5707.92	17.47	6.09	48.53	24.13	100.57	17.92
PCS 1187	1	90	10.71	41.02	50.72	651.19	239.12	34.02	817.21	16.76	159.17	9.18	97.92	13.73	17877.5	26.38	6.35	48.84	20.53	108	20.75
PCS 1188	1	90	13.07	46.04	41.96	570.14	174.69	38.21	592.8	16.29	115.02	9.1	83.74	10.57	17900.4	29.92	6.16	55.82	22.6	102.06	17.56
PCS 1189	1	90	12.32	38.58	40.72	531.13	268.95	30.31	617.22	14.96	128.34	9.1	87.95	14.05	16884.4	24.85	5.99	68.41	21.47	96.7	16.19
PCS 1190	1	90	9.49	43.99	51.28	593.1	280.72	30.46	640.52	16.81	133.84	9.3	90.12	10.42	16719.8	18.27	6.37	50.47	27.08	102.94	20.29
PCS 1191	1	90	9.75	38.33	43.27	462.63	227.45	27.58	520.28	14.28	111.46	9.14	76.11	10.57	14660.8	24.66	6.29	68.33	23.99	93.89	17.72
PCS 1192	1	90	8.87	37.43	42.23	492.91	210.78	33.12	723.67	15.27	155.66	8.81	85.18	13.46	19331.4	24.71	6.87	68.42	18.58	103.06	19.09
PCS 1193	1	90	8.92	39.56	47.57	187.73	309.16	33.09	715.3	14.98	151.23	9	90.31	14	9163.32	17.29	6.05	47.86	20.26	99.14	21.31
PCS 1194	1	90	9.01	40.22	41.08	212.27	223.27	31.75	769.07	15.55	161.81	8.96	88.09	13.74	6781.67	17.54	5.61	48.06	19.26	99.75	20.33
PCS 1195	1	90	9.42	40.89	42.72	375.2	150.86	34.2	351.11	12.52	87.73	5.41	72.57	11.6	10035.8	27.07	5.09	75.17	15.83	81.63	13.01
PCS 1196	1	90	9.32	41.26	43.07	497.63	278.92	30.07	639.75	16.06	134.33	8.99	93.29	12.11	16271.5	25.03	5.92	47.11	17.21	110.63	18.11
PCS 1197	1	90	10.09	39.36	40.31	531.27	312.72	28.6	730.87	15.67	154.21	8.69	87.2	12.67	18448.8	25.31	5.5	70.03	16.66	103.62	19.55
PCS 1198	1	90	9.47	48.95	41.22	567.23	267.24	27.84	626.64	14.87	131.76	8.64	79.53	11.23	18063.1	30.94	5.66	86.38	16.27	98.63	18.33
PCS 1199	1	90	10.47	47.57	44.88	537.87	260.56	41.47	605.38	15.12	120.39	8.99	88.35	13.61	14694	30.68	6.52	85.03	16.74	97.11	16.57
PCS 1200	1	90	8.25	43.51	38.29	221.76	187.41	34.67	432.49	14.42	115.06	8.3	72.89	11.3	6670.25	27.92	5.54	78.17	17.59	97.62	15.53
PCS 1201	1	90	10.05	44.95	43.26	237.86	276.26	27.84	637.84	14.8	130.76	8.59	82.84	13.21	6871.27	28.9	6.34	80.42	15.67	101.99	17.8
PCS 1202	1	90	9.77	60.17	37.99	226.9	278.34	38.52	647.78	15.44	128.01	8.48	83.01	12.7	7953.37	39.62	5.37	109.98	16.36	96.58	17.95
PCS 1203	1	90	10.57	47.72	54.86	396.82	356	32.7	831.46	16.42	114.96	6.47	98.57	12.8	16665	31.53	7.71	87.36	15.78	107.53	15.39
PCS 1204	1	90	10.08	38.34	40.7	474.43	295.24	29.08	680.88	13.28	128.58	8.83	83.71	9.46	16827.4	25.08	6.91	46.44	17.55	90.63	17.79
PCS 1205	1	90	9.4	45.03	46.99	225.84	194.81	27.84	664.24	14.38	143.28	8.93	88.5	13.78	7614.45	28.84	6.94	79.88	17.23	95.43	18.52
PCS 1206	1	90	9.92	49.46	42.06	510.75	295.86	29.48	682.89	16.32	147.75	9.29	81.4	13.34	16624.7	31.28	5.73	86.36	17.88	107.2	17.76
PCS 1207	1	90	10.56	48.72	45.34	471.53	196.82	28.85	676.18	15.59	153.7	9.17	85.14	12.68	19075.2	20.98	5.98	58.38	17.9	101.2	17.97
PCS 1208	1	90	11.61	49.13	38.23	495.21	294.13	41.99	679.62	16.28	143.43	9.36	86.93	10.3	15814.9	30.48	6.68	84.31	22.65	95.75	18.69
PCS 1209	1	90	12.07	40.16	54.84	186.67	279.62	28.58	642.53	16.19	138.23	9.07	85.52	10.15	7771.2	17.11	6.1	47.37	21.05	102.78	19
PCS 1210	1	90	9.27	40.93	50.62	437.67	279.13	29.1	650.29	15.78	140.96	5.96	83.73	13.39	18228.1	17.42	6.21	47.79	18.56	100.65	18.78
PCS 1211	1	90	9.49	37.15	42.64	446.27	170.97	28.78	574.37	14.66	135.51	8.81	79.38	13.18	17047.7	23.58	6.82	65.51	18.79	91.45	19.24
PCS 1212	1	90	10.07	37.61	48.2	185.39	240.57	36.47	559.01	13.88	121.45	8.92	78.83	9.68	5755.3	23.9	5.76	66.39	20.18	93.53	16.86
PCS 1213	1	90	9.01	49.27	42.5	484.75	269.72	29.63	630.15	15.64	143.19	5.99	84.95	9.63	18944.1	31.15	6.08	86.88	20.8	92.18	17.25
PCS 1214	1	90	8.68	37.85	50.49	180.64	174.08	29.24	589.39	14.65	131.63	8.92	84.16	13.02	6767.16	24.24	6.37	67.55	20.17	96.85	16.71
PCS 1215	1	90	8.93	37.45	37.56	199.66	268.88	30.5	615.7	14.7	139.4	9.04	80.39	9.62	7303.31	24.15	5.66	67.39	20.51	89.06	18.85
PCS 1216	1	90	10.34	45.91	48.01	481.18	301.46	31.18	692.98	13.98	146.32	8.77	90.11	13.41	18714.1	29.57	6.34	82.65	19.93	90.19	18.42
PCS 1217	1	90	9.01	40.3	41.99	552.56	222.69	43.03	766.17	16.82	155.14	9.3	91.41	14.31	18752.5	25.28	6.8	71.96	20.6	100.82	18.89
PCS 1218	1	90	9.34	40.99	50.45	236.26	217.66	30.22	739.4	16.14	156.68	9.51	91.57	14.75	9096.25	26.09	6.6	48.89	22.57	104.45	20.05

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCS 1219	1	90	11.6	49.38	43.4	219.61	316.29	30.88	737.4	17.06	165.22	9.65	92.58	11.57	8135.77	31.08	5.97	86.92	24.81	109.97	22.8
PCS 1220	1	90	10.86	44.62	38.15	207.04	216.59	39.76	505.94	14.61	135.64	8.99	78.75	9.82	7869.82	17.17	6.43	47.92	21.99	93.15	17.15
PCS 1221	1	90	11.11	54.01	49.76	527.07	294.54	30.02	686.54	17.25	148.97	6.32	92.05	14.37	19081	22.62	7.22	61.96	21.27	114.06	18.46
PCS 1222	1	90	11.2	50.08	45.4	525.8	216.2	31.18	742.79	14.73	149.57	9	90.68	13.73	17139.8	31.93	6.54	59.14	20.04	94.74	18
PCS 1223	1	90	7.81	40.12	49.48	212.93	218.7	31.25	753.57	16.99	168.93	9.19	95.17	12.37	8444.6	25.63	6.17	70.78	21.72	114.33	18.86
PCS 1224	1	90	9.22	51.52	46.66	529.47	207.65	28.83	711.14	16.3	154.24	6.16	89.88	9.72	17910.2	31.39	5.71	88.67	19.96	100.52	18.52
PCS 1225	1	90	14.29	50.27	47.23	562.78	221.12	43.19	760.93	16.28	160.76	9.08	89.38	13.76	19075.1	31.49	6.01	88.04	19.25	107.78	19.76
PCS 1226	1	90	12.99	48.63	48.02	520.25	321.85	31.3	744.14	17.03	152.48	9.72	91.53	10.65	18928.6	30.95	6.63	84.77	22.92	108.73	20.61
PCS 1227	1	90	9.69	48.02	51.95	475.89	271.26	28.84	622.38	14.73	137.21	6.44	81.85	10.7	16931.6	30.61	6.24	56.78	22.41	94.16	17.9
PCS 1228	1	90	9.22	39.52	34.78	503.86	286.83	29.53	657.41	14.71	138.1	9.17	86.25	10.3	16354.1	24.8	6.24	69.54	20.97	91.09	17.67
PCS 1229	1	90	8.66	49	48.78	515.53	201.02	29	689.73	14.54	152.84	6.33	86.09	13.83	17776.8	30.81	6.89	85.79	20.97	100.55	19.3
PCS 1230	1	90	13.03	38.91	44.69	475.82	267.82	29.23	620.66	15.8	138.72	8.82	85.89	10.01	14882.9	24.66	6.46	68.37	20.48	104.29	18.92
PCS 1231	1	90	8.9	39.26	42.31	223.36	291.42	29.21	674.37	14.79	138.77	9.01	86.12	13.42	8041.07	25.29	6.61	70.05	20.51	95.63	18.36
PCS 1232	1	90	9.56	48.08	50.34	574.06	314.07	32.14	734.6	16.61	171.26	9.13	85.32	13.67	15756.6	30.9	6.28	85.88	20.26	106.84	20.09
PCS 1233	1	90	9.45	40.02	46.41	572.02	223.17	31.63	761.19	14.98	153.68	9.06	88.85	10.09	14293.2	25.72	6.13	48.3	18.95	101.18	20.15
PCS 1234	1	90	8.94	40.36	43.01	553.59	199.9	32.28	686.15	16.25	145.95	8.92	87.61	13.3	15552.2	25.79	6.2	48.13	19.68	103.39	17.05
PCS 1235	1	90	13.27	64.61	44.12	528.49	207.22	32.22	711.23	14.67	160.11	9.15	89.53	10.21	17221.6	41.95	6.64	115.89	19.4	98.26	17.59
PCS 1236	1	90	9.53	45.13	49.72	651.16	207.31	33.89	712.56	16.61	159.04	9.26	93.02	10.48	17184.7	29	6.68	79.94	20.59	108.05	17.45
PCS 1237	1	90	8.8	37.98	45.33	551.62	205.34	31.55	701.14	15.77	128.29	9.01	88.91	9.36	18649.7	24.84	5.38	69.27	18.14	102.7	15.52
PCS 1238	1	90	13.02	48.19	45.34	697.18	308.99	31.39	710.22	17.29	144.32	9.11	87.96	9.85	13451.2	31.18	5.6	86.34	18.54	112.09	18.37
PCS 1239	1	90	8.44	40.59	54.37	641.28	310.76	31.37	717.75	16.47	151.03	9.48	92.64	13.71	17553.3	26.26	6.27	73.02	19.99	102.87	18.01
PCS 1240	1	90	13.68	44.92	44.43	566.57	265.59	30.59	612.42	14.68	118	8.72	81.36	10.78	17262.7	29.1	5.92	80.95	19.54	91.72	15.85
PCS 1241	1	90	12.59	51.28	49.58	194.35	199.32	32.84	681.91	14.11	127.54	8.55	86.34	9.68	6405.26	34.42	6.37	95.94	16.46	92.86	17.97
PCS 1242	1	90	10.91	47.38	48.31	518.8	383.78	33.85	890.7	17.06	159.1	9.31	96.66	9.94	19186	31.36	6.53	86.42	16.81	110.54	23.1
PCS 1243	1	90	11.84	39.63	49.36	132.87	296.46	36.31	1012.7	17.97	121.39	9.27	102.22	10.65	5808.16	26.28	6.16	48.46	16.56	113.53	18.26
PCS 1244	1	90	11.73	45.32	45.15	430.74	252.8	32.97	872.97	16.75	120.2	6.28	93.86	10.48	18684.3	29.92	5.51	83.18	17.95	100.22	17.36
PCS 1245	1	90	9.09	45.5	45.93	435.74	209.37	29.13	712.81	14.78	108.69	8.67	76.33	9.71	15771.9	20.97	6.71	84.45	14.8	89.79	13.64
PCS 1246	1	90	9.91	42.3	47.71	359.03	148.28	35.6	505.28	13.92	117.26	5.68	76.27	9.68	16347.6	28.47	4.87	53.4	12.37	92.18	17.89
PCS 1247	1	90	9.57	45.48	41.56	154.78	271.45	28.2	624.17	14.19	117.8	8.56	83.45	12.52	7220.31	30.21	4.91	55.91	15.1	94.7	19.09
PCS 1248	1	90	11.18	48.64	39.89	376.22	274.2	29.34	633.22	14.76	124.46	6.01	85.42	10.96	17392.5	21.74	5	60.3	14.52	93.98	15.36
PCS 1249	1	90	10.96	36.58	47.54	142.51	162.1	35.67	550.95	14.27	88.13	5.91	77.74	12.15	5405.7	16.74	6.53	46	11.79	87.66	15.99
PCS 1250	1	90	14.69	45.98	48.31	463.73	220.55	30.13	749.87	15	110.56	6.27	85.13	14.04	20007.2	30.62	7.01	84.27	15.73	91.28	13.69
PCS 1251	1	90	16.81	39.75	49.7	429.19	242.25	33.5	825.38	15.81	123.5	6.68	90.3	19.27	19496.2	17.8	5.74	72.77	17.93	100.72	17.1
PCS 1252	1	90	18.77	58.6	47.88	402.36	304.73	32.4	703.69	15.47	125.11	6.34	89.65	14.49	18750	38.01	6.03	105.83	18.06	103.74	22.52
PCS 1253	1	90	17.01	37.62	49.46	157.73	193.09	28.96	660.61	14.52	130.84	6.02	82.66	18.46	7501.61	24.56	5.55	45.92	14.49	88.11	14.46
PCS 1254	1	90	12.5	37.91	43.79	439.6	216.86	31.47	737.24	15.18	125.09	8.71	84.35	11.82	18710.7	24.75	5.86	68.58	15.71	96.09	15.31
PCS 1255	1	90	12.41	38.6	51.23	367.67	306.04	31.91	707.93	15.71	110.63	6.1	84.88	11.88	16036.2	25.47	7.33	47.19	15.95	98.47	14.56
PCS 1256	1	90	12.85	38.3	44.45	399.75	200.7	29.62	690.16	15.05	123.77	6.08	81.78	12	18054.9	25.25	6.22	46.93	14.67	92.84	14.72
PCS 1257	1	90	11.78	43.52	45.98	184.25	186.17	30.21	636.59	14.28	105.26	6.12	83.01	11.52	6877.68	29.1	6.7	80.89	15.24	92.78	17.29
PCS 1258	1	90	9.8	43.53	38.52	499.65	197.73	32.04	673.24	14.98	147.9	8.83	83.1	9.49	18482.6	28.86	7.5	80.89	18.67	102.38	19.27
PCS 1259	1	90	16.53	40.9	52.47	147.65	289.73	32.98	978.03	16.4	122.66	6.75	98.13	15.62	7703.48	17.94	7.76	49.8	16.45	101.92	16.42
PCS 1260	1	90	11.85	35.96	49.2	452.15	194.8	30.29	667.03	13.98	136.94	8.75	80.71	10.27	17818.2	24.13	7.16	44.89	16.11	94.04	18.23
PCS 1261	1	90	9.43	37.66	39.86	490.33	216.56	31.37	742.02	14.99	143.49	8.86	87.55	13.34	18335.7	24.6	6.13	68.99	15.91	94.34	16.27

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCS 1262	1	90	9.41	46.05	41.24	498.41	313.34	29.39	723.73	15.16	121.42	8.59	86.07	9.02	18403.1	30.22	5.76	83.47	14.56	98.12	16.74
PCS 1263	1	90	9.26	43.18	42.23	221.36	286.41	28.6	662.78	15.48	108.95	8.54	83.69	12.98	5829.22	28.78	6.42	79.21	14.42	98.24	14.37
PCS 1264	1	90	8.59	40.47	34.93	220.34	202.45	29.69	692.08	13.63	127.6	8.34	81.9	9.15	6538.81	26.88	5.84	73.59	14.54	89.46	16.24
PCS 1265	1	90	8.7	40.39	46.27	211.02	281.42	37.93	649.04	13.6	120.99	8.37	82.16	12.44	6665.6	26.6	6.21	72.65	14.85	81.66	14.96
PCS 1266	1	90	10.06	44.58	45.14	214.61	216.59	28.86	741.92	16	147.44	6.17	85.53	10.16	7206.62	29.2	6	53.87	15.94	99.14	18.13
PCS 1267	1	90	10.47	45.24	46.54	468.71	190.47	26.91	647.03	14.17	121.52	8.6	81.07	12.71	19221	29.23	5.73	81.8	15.78	96.08	16.36
PCS 1268	1	90	9.96	47.32	46	435.46	267.37	26.88	617.02	15.3	123.64	8.64	81.11	9.06	17963.1	30.86	6.02	85.49	16.97	95.68	16.11
PCS 1269	1	90	10.22	43.97	43.05	480.27	282.88	28.53	656	14.9	130.57	5.99	80.14	9.79	16012.6	29.09	5.85	80.74	17.61	91.6	18.15
PCS 1270	1	90	8.91	44.36	49.95	553.43	291.58	30.34	670.75	14.44	154.77	5.96	81.51	9.33	13448.3	29	6.63	81.52	17.23	96.23	17.39
PCS 1271	1	90	9.75	37.36	47.52	202.78	296.68	29.97	681.92	15.42	138.63	8.64	84.83	10.59	8058.15	24.57	5.73	68.35	17.03	94.31	18.26
PCS 1272	1	90	8.75	38.44	39.06	446.44	278.37	34.49	642.09	16.01	129.97	8.95	81.97	9.64	16328.4	25.36	6.75	47.14	17.87	97.62	18.53
PCS 1273	1	90	10.18	38.62	40.24	205.67	273.25	40.72	636.45	15.4	149.84	8.72	84.25	9.83	7256.9	25.17	5.81	46.65	18.69	96.5	16.47
PCS 1274	1	90	9.49	48.51	44.76	540.54	282.22	28.46	649.33	15.44	148.73	9.08	81.16	9.86	18568.7	31.08	6.71	86.32	20.01	99.06	17.88
PCS 1275	1	90	9.71	50.32	50.4	502.08	291.12	33.79	666.88	16.63	142.79	9.13	96.22	13.86	16423.6	32.09	5.38	60.15	19.89	104.27	20.01
PCS 1276	1	90	8.97	62.79	43.62	217.2	281.54	33.12	651.54	15.56	147.23	9.18	92.65	14.28	7003.48	40.75	6.23	111.49	21.23	97.27	17.46
PCS 1277	1	90	11.88	38.35	43.8	203.83	200.16	32.51	684.24	15.12	154	8.66	82.45	11.92	6730.96	16.7	6.35	46.16	17.43	91.35	17.79
PCS 1278	1	90	9.32	47.69	46.17	611.98	331.15	35.52	767.59	17.16	157.63	8.95	89.22	13.33	19997.3	30.93	5.83	85.43	19.21	112.48	19.55
PCS 1279	1	90	10.07	40.69	47.76	210.41	200.48	29.83	688.13	15.94	147.61	9.35	86.92	14.25	8682.24	25.84	6.67	48.02	26.87	102.87	18.96
PCS 1280	1	90	10.34	48.48	51.18	535.59	312.69	32.77	737.33	16.22	152.08	8.72	85.39	10.44	18148.3	30.71	6.25	57.51	21.22	103.84	18.36
PCS 1281	1	90	9.93	48.92	40.29	458.33	180.46	31.14	616.07	15.75	130.86	9.41	87.47	10.64	16392.8	30.86	6.6	85.66	26.22	98.56	19.05
PCS 1282	1	90	11.19	46.71	45.8	236.84	207.56	30.74	713.48	15.76	146.15	8.92	86.52	10.12	8564.08	30.36	5.55	84.76	20.09	98.64	18.41
PCS 1283	1	90	9.31	36.99	48.11	207.64	191.73	29.56	652.09	15.17	132.05	8.49	83.95	9.59	6886.72	24.35	6.64	68.13	17.65	91.96	17.89
PCS 1284	1	90	10.79	39.69	46.46	476.46	241.38	29.41	564.94	16.02	127.8	9.22	82.07	10.9	17190.3	24.95	6.2	46.61	24.43	93.8	18.44
PCS 1285	1	90	9.76	40.21	43.78	197.99	200.23	26.95	455.35	14.92	106.43	8.77	81.14	13.47	7478.12	24.56	6.14	46.16	23.91	100.4	15.5
PCS 1286	1	90	11.87	49.93	42.22	472.09	190.26	27.59	436.91	14.69	105.7	8.87	80.56	9.69	15140.7	30.96	5.87	85.19	23.17	91.01	14.73
PCS 1287	1	90	8.99	47.72	46.11	516.05	228.66	40.7	530.91	14.07	135.5	9.08	75.62	9.75	14726.3	30.21	5.91	82.73	24.48	94.26	18.24
PCS 1288	1	90	9.78	46.42	46.78	236.87	168	28.25	572.26	16.05	130.63	8.99	80.4	10.35	7264.97	19.81	5.76	54.31	24.38	107.19	18.79
PCS 1289	1	90	8.87	40.47	38.66	664.98	219.91	33.5	754.12	16.04	151.95	9.09	87.72	9.9	20040.5	26.26	6.77	48.63	20.67	99.72	19.32
PCS 1290	1	90	9.08	39.65	48.15	258.73	317.96	34.68	733.17	15.46	146.28	8.81	89.03	13.51	8082.12	17.38	6.03	48.24	19.51	104.85	18.68
PCS 1291	1	90	9.43	39.21	44.38	224.85	202.04	33.43	693.34	14.91	139.83	9.06	89.63	10.14	8958.85	17.16	5.75	47.54	20.74	99.25	15.69
PCS 1292	1	90	13.27	39.72	43.06	574.77	200.22	33.32	686.1	15.49	150.3	8.83	81.34	10.25	18033.6	25.1	5.78	69.61	20.72	96.63	18.74
PCS 1293	1	90	9.49	49.92	42.81	505.72	290.06	32.1	676.22	18.14	142.37	9.28	88.47	10.45	16721.5	32.05	5.34	59.36	22.23	110.47	19.15
PCS 1294	1	90	10.21	64.33	50.55	548.38	304.21	30.07	705	16.41	148.35	6.19	88.56	10.08	18935.1	41.44	6.56	116.01	21.54	106.11	18.32
PCS 1295	1	90	10.65	48.01	44.83	191.98	295.8	30.64	690.87	15.33	152.38	6.33	89.2	10.5	5946.93	30.71	6.49	85.35	24.02	94.28	17.86
PCS 1296	1	90	9.83	46.44	43.01	235.34	273.94	41.88	634.16	15.98	140.31	8.83	88.93	9.95	6514.99	29.86	5.75	55.89	22.26	98.37	17.74
PCS 1297	1	90	10.73	41.63	50.05	518.81	213.18	33.31	733.19	16.4	153.81	8.91	89.36	13.55	18439.8	17.5	6.74	48.95	20.01	98.94	18.96
PCS 1298	1	90	8.7	48.62	53.4	195.47	199.06	34.56	680.19	16.82	138.48	9.01	88.83	12.25	6672.82	31.59	6.19	86.83	19.61	111.55	19.3
PCS 1299	1	90	10.94	40.73	46.74	516.36	318.79	35.39	733.02	15.87	153.08	8.92	92.29	12.09	18149.8	17.41	6.7	48.49	19.07	98.86	19.14
PCS 1300	1	90	10.08	60.04	55.29	537.91	214.98	32.98	736.42	17.13	151.91	9.15	88.2	14.49	17748.7	38.8	6.31	105.8	19.61	110.39	18.34
PCS 1301	1	90	10	45.16	47.13	485.05	239.09	33.18	814.53	15.83	156.93	8.71	88.89	13.75	19813.2	29.92	6.15	83.87	17.69	98.32	18.81
PCS 1302	1	90	10.58	48.69	45.27	199.17	243.2	34.54	831.3	14.88	130.96	8.87	92.43	14.2	6550.85	32.27	7.29	59.97	17.69	92.28	17.13
PCS 1303	1	90	9.33	39.34	44.15	235.12	324.42	33.85	757.77	15.29	170	9.09	90.91	13.11	6481.11	25.4	6.49	71.43	19.11	101.42	20.19
PCS 1304	1	90	9.55	39.56	52.54	240.72	336.32	32.29	779.66	15.14	160.77	8.74	88.04	9.7	7225.84	25.93	6.41	71.85	18.47	94.03	18.18

Sample Number	Number of readings	Average Duration	Niton error - average of readings																	
			As Error	Ba Error	Bi Error	Ca Error	Co Error	Cu Error	Fe Error	Hg Error	Mn Error	Mo Error	Ni Error	Pb Error	S Error	Sb Error	Se Error	Te Error	U Error	W Error	Zn Error
PCS 1305	1	90	14.64	38.54	60.78	210.06	408.28	35.13	946.51	15.51	134.62	9.23	92.95	12.78	7939.9	25.56	6.19	71.84	16.27	94.92	17.99
PCS 1306	1	90	7.98	42.66	46.69	182.94	175.46	25.69	406.16	14.12	127.4	5.6	76.68	12.84	6528.02	27.64	5.96	76.9	19.21	96.03	14.06
PCS 1307	1	90	9.39	37.09	36.23	408.03	157.25	30.99	353.25	13.48	94.07	8.5	76.18	12.17	12320.9	16.39	5.35	45.03	19.38	93.95	13.69
PCS 1308	1	90	11.29	36.7	40.2	189.31	182.18	38.83	416.25	14.8	131.1	9.08	76.46	9.22	6217.83	24.19	5.84	66.23	20.07	95.61	16.15
PCS 1309	1	90	10.39	38.83	37.36	179.43	189.39	27.75	440.82	14.85	111.88	8.78	80.79	13.41	3843.35	24.5	6.45	67.81	19.64	88.82	14.66
PCS 1310	1	90	11.26	38.32	42.04	385.64	149.05	35.97	344.83	13.46	73.08	8.69	67.81	12.93	14503.8	23.79	4.7	44.01	21.92	80.87	17.8
PCS 1311	1	90	8.87	49.6	49.2	234.03	214.02	30.41	732.62	15.01	155.55	9.2	84.39	14.38	7542.25	32.2	6.61	60.53	20.17	97.15	19.17
PCS 1312	1	90	12.93	42.13	52.98	272.7	349.94	36.27	815.53	18.26	149.18	9.38	101.78	10.65	6209.2	27.07	7.01	50.52	21.24	114.43	18.89
PCS 1313	1	90	7.36	44.55	38.44	209.14	287.91	32.77	673.41	15.63	137.68	8.9	86.19	11.56	5555.04	29.8	5.76	83.47	19	95.14	18.69
PCS 1314	1	90	10.52	39.08	49.38	629.71	338.46	37.12	782.65	16.26	164.34	8.85	91.92	12.43	18608.7	17.3	6.69	47.82	16.72	111.3	17.23
PCS 1315	1	90	8.93	38.5	46.61	486.91	267.27	32.34	612.83	15.29	122.33	8.96	85.98	9.89	16306.7	25	5.28	46.2	21.21	97.36	17.42
PCS 1316	1	90	11.94	46.14	44.9	513.65	181.6	31.83	613.23	15.32	123.29	9.25	84.84	14.24	15002.1	29.66	6.82	82.63	21.55	98.27	17.71
PCS 1317	1	90	13.85	37.02	43.45	529.77	218.64	32.49	749.69	15.56	138.97	9.1	84.76	10.88	17452.1	24.47	5.78	68.19	18.32	97.88	18.6
PCS 1318	1	90	8.55	37.91	46.42	473.22	252.04	30.45	585.01	14.91	112.18	8.86	84.24	9.49	15406.4	24.36	5.3	45.67	20.19	99.22	17.66
PCS 1319	1	90	11.71	39.73	50.45	559.67	268.26	30.16	620.48	15.25	130.83	9.13	86.99	10.05	18419.5	25.32	6.96	70.49	23.3	98.13	16.52
PCS 1320	1	90	12.69	39.05	49.27	538.24	295.65	33.42	684.25	16.18	158.02	9.24	88.6	10.44	18473.6	25.48	6.1	71.06	21.01	102.62	17.93
PCS 1321	1	90	10.77	46.46	41.33	213.59	190.45	29.88	636.8	15.15	129.1	8.94	85.64	12.57	5231.22	30.04	6.13	83.55	18.87	95.26	19.18

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1001	1	90	NA	-465.94	NA	-17829.7	-441.44	29.3	6890.79	NA	149.05	NA	NA	NA	NA	-32.05	NA	-122.07	NA	NA	20.9
PCS 1002	1	90	-10.31	-347.14	NA	-14136.1	NA	2.07	8460.29	NA	57.42	NA	NA	NA	NA	NA	NA	-81.5	NA	NA	2.94
PCS 1003	1	90	NA	-506.05	NA	-2098.34	-315.42	-23.17	12109.9	NA	178.36	-11.37	NA	-9.82	NA	NA	NA	NA	NA	NA	8.94
PCS 1004	1	90	NA	-415.05	NA	-2805.99	-286.6	-11.04	10555	NA	130.43	NA	NA	-4.85	NA	NA	NA	-90.47	NA	NA	10.91
PCS 1005	1	90	NA	-433.77	NA	-17301.4	-387.08	-6.29	6608.79	NA	2.7	NA	NA	-8.19	NA	-34.28	NA	-112.3	NA	NA	23.37
PCS 1006	1	90	NA	-583.5	NA	-7922.53	NA	-34.56	13270.4	NA	260.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	-1.79
PCS 1007	1	90	NA	-435.02	NA	-16908.5	NA	-24.84	8950.43	NA	243.23	NA	NA	-5.06	NA	NA	NA	NA	NA	NA	3.43
PCS 1008	1	90	NA	-340.88	NA	-3134.95	NA	4.67	11008.1	NA	226.35	NA	NA	-8.05	NA	NA	NA	-91.44	NA	NA	-6.34
PCS 1009	1	90	-7.19	-382.34	NA	-10022.4	NA	-13.19	10369	NA	184.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.35
PCS 1010	1	90	NA	-361.47	NA	-12322.6	NA	8.99	11269	NA	338.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.86
PCS 1011	1	90	NA	-366.58	NA	-11116.5	-550.47	-1.48	13140.3	NA	223.24	NA	NA	NA	NA	-30.23	NA	-107.46	NA	NA	-6.38
PCS 1012	1	90	NA	-331.25	NA	-3617.78	-478.6	23.32	10417.7	NA	154.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	-6.34
PCS 1013	1	90	NA	-459.11	NA	-8932.82	NA	-0.68	8695.15	NA	232.49	NA	NA	-17.33	NA	NA	NA	-86.62	NA	NA	-6.86
PCS 1014	1	90	NA	-464.78	NA	-9437.1	-282.95	-5.72	4023.69	NA	-12.07	-12.22	NA	-4.71	NA	NA	NA	NA	NA	NA	-10.57
PCS 1015	1	90	-16.66	-434.31	NA	-8044.57	-312.33	-28.57	9845.72	NA	287.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	9
PCS 1016	1	90	-9.52	-586.07	NA	-10537.2	NA	-2.03	8925.31	NA	127.53	NA	NA	-5.29	NA	NA	NA	-82.45	NA	NA	9.83
PCS 1017	1	90	-9.77	-444.99	NA	-1710.55	-265.97	-13.11	7808.53	NA	223.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.91
PCS 1018	1	90	NA	-457.53	NA	-1426.06	NA	-24.96	9159.44	NA	95.25	-10.04	NA	NA	NA	NA	NA	-99.65	NA	NA	18.98
PCS 1019	1	90	NA	-566.76	NA	-5864.08	-270.86	-16.56	10040.5	NA	174.18	-9.53	NA	-16.16	NA	NA	NA	NA	NA	NA	13.28
PCS 1020	1	90	NA	-381.9	NA	-2182.22	NA	NA	8426.76	NA	45.23	NA	NA	-15.61	NA	-38.92	NA	-124.97	NA	NA	-9.24
PCS 1021	1	90	NA	-544.57	NA	-924.93	NA	-23.45	10592.4	NA	148.36	NA	NA	-6.76	NA	-28.42	NA	NA	NA	NA	2.64
PCS 1022	1	90	NA	-621.16	NA	-8274.89	-254.93	NA	3237.5	NA	81.61	NA	NA	-14.17	-19758.8	NA	NA	NA	NA	NA	-0.96
PCS 1023	1	90	-18.11	-391.58	NA	-1980.32	-329.41	-26.26	11305.2	NA	139.62	NA	NA	-6.55	NA	NA	NA	NA	NA	NA	10.73
PCS 1024	1	90	-13.37	-473.96	NA	-12552.9	NA	NA	9103.13	NA	169.26	NA	NA	-4.52	-18914.9	-35.74	NA	-128.99	NA	NA	-11.41
PCS 1025	1	90	NA	-445.4	NA	-11149.6	-267.21	-13.89	11704	NA	374.64	NA	NA	-5.18	NA	NA	NA	NA	NA	NA	20.37
PCS 1026	1	90	NA	-467.29	NA	-3728.65	-373.63	19.09	5666.78	NA	235.49	NA	NA	-7.31	NA	-36.11	NA	NA	NA	NA	-14.57
PCS 1027	1	90	-11.09	-519.44	NA	-12764.5	NA	-25.99	7234.63	NA	194.43	-10.62	NA	-17.33	NA	-36.43	NA	-130.97	NA	NA	23.27
PCS 1028	1	90	NA	-435.37	NA	-12645	-353.43	-27.88	4623.29	NA	71.45	NA	NA	-11.05	NA	NA	NA	-116.58	NA	NA	-5.94
PCS 1029	1	90	-9.53	-433.99	NA	-2722.89	NA	4.42	7508.27	NA	220.78	NA	NA	-5.96	NA	-35.35	NA	-84.74	NA	NA	3.32
PCS 1030	1	90	-12.25	-356.06	NA	-11688.7	-340.6	3.95	17000.6	NA	227.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.6
PCS 1031	1	90	-2.59	-356.19	NA	-1077.86	-339.54	4.99	16842.7	NA	201.69	NA	NA	-4.66	NA	NA	NA	NA	NA	NA	0.5
PCS 1032	1	90	-8.55	-329.24	NA	-1541.99	-343.37	-14.52	11093.4	NA	266.41	NA	NA	-1.67	NA	-28.13	NA	NA	NA	NA	-2.01
PCS 1033	1	90	-10.61	-368.02	NA	-6444.1	NA	19.2	13054.1	NA	203.41	NA	NA	-7.37	NA	NA	NA	NA	NA	NA	16.03
PCS 1034	1	90	-7.07	-245.5	NA	-3261.96	NA	-17.18	14188.5	NA	-13.39	-0.92	NA	-17.3	NA	NA	NA	-86.58	NA	NA	NA
PCS 1035	1	90	-5.89	-195.08	NA	-1015.01	-254.46	-14.5	14694	NA	50.51	-0.52	NA	-9.8	NA	NA	NA	NA	NA	NA	NA
PCS 1036	1	90	-8.4	-269.62	NA	-813.47	-375.73	-5.63	14001.4	NA	21.96	NA	NA	-0.59	NA	NA	NA	-84.15	NA	NA	4.99
PCS 1037	1	90	-4.95	-208.31	NA	-2930.79	-514.79	-0.24	11400.3	NA	-119.77	NA	NA	NA	NA	NA	-2.56	NA	NA	NA	-3.71
PCS 1038	1	90	-18.41	-281.81	NA	-3737.77	NA	NA	12895	NA	153.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	-17.48
PCS 1039	1	90	-6.22	-201.21	NA	-665.72	-350.05	-13.88	13089.1	NA	NA	-9.11	NA	-8	NA	NA	NA	NA	NA	NA	-2.08
PCS 1040	1	90	-5.99	-314.33	NA	-652.56	-531.18	-43.72	12905.5	NA	NA	NA	NA	NA	NA	NA	-1.46	NA	NA	NA	NA
PCS 1041	1	90	-0.5	-323.63	NA	-1937.8	-387.73	0.61	12192.5	NA	-78.38	NA	NA	-7.92	NA	NA	-0.76	-76.32	NA	NA	-6.44
PCS 1042	1	90	-9.55	-333.68	NA	-2023.02	NA	-24.37	16208.1	NA	NA	-7.58	NA	NA	NA	-42.84	NA	-99.67	NA	NA	NA
PCS 1043	1	90	-2.38	-311.43	NA	-1957.96	NA	-21.15	17260.5	NA	NA	NA	NA	-6.36	NA	NA	NA	NA	NA	NA	NA

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1044	1	90	-1.47	-365.98	NA	-212.55	NA	-29.07	15497.9	NA	NA	-7.14	NA	-11.28	NA	-34.28	NA	NA	NA	NA	NA
PCS 1045	1	90	-14.92	-402.07	NA	-540.26	NA	-24.02	12648.8	NA	-13.33	-8.03	NA	-0.9	-14103.8	NA	-3.68	-97.38	NA	NA	NA
PCS 1046	1	90	-3.71	-508.19	NA	-1799.49	-499.81	-30.39	20562.4	NA	NA	NA	NA	-0.32	NA	NA	NA	NA	NA	NA	NA
PCS 1047	1	90	-0.18	-243.09	-59.6	-579.2	NA	NA	13845.3	NA	70.1	-10.92	NA	-6.78	NA	NA	NA	-86.14	NA	NA	NA
PCS 1048	1	90	6.56	-263.97	NA	-2894.38	NA	NA	16049.1	NA	-0.69	NA	NA	-8.72	NA	NA	NA	NA	NA	NA	NA
PCS 1049	1	90	-12.52	-246.74	NA	-1527.24	NA	-4.47	11240.1	NA	196.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	-7.3
PCS 1050	1	90	-3.08	-329.97	NA	-2205.19	-470.57	-8.22	11706.2	NA	-135.31	-2.38	NA	NA	NA	NA	-4.11	NA	NA	NA	1.31
PCS 1051	1	90	0.93	-386.79	NA	-2871.32	-340.39	-22.92	17484.9	NA	NA	NA	NA	-12.9	NA	NA	-1.68	NA	NA	NA	4.76
PCS 1052	1	90	-12.8	-288.4	NA	-1373.34	-427.82	-0.62	14089.6	NA	NA	-6.77	NA	-6.77	NA	NA	-4.3	-83.26	NA	NA	-9.1
PCS 1053	1	90	-9.82	-340.03	NA	-619.35	-439.15	-39.01	15692.3	NA	119.74	NA	NA	0.08	NA	NA	NA	-72.26	NA	NA	2.63
PCS 1054	1	90	-9.66	-201.64	NA	-3344.12	NA	NA	17841	NA	96.24	-4.77	NA	-0.16	NA	NA	-1.24	NA	NA	NA	-3.05
PCS 1055	1	90	6.51	-328.63	NA	-1863.17	NA	NA	15445.1	NA	NA	NA	NA	4.81	NA	NA	-1.67	NA	NA	NA	NA
PCS 1056	1	90	9.08	-268.89	-59.02	-2983.43	NA	NA	12601.3	NA	-50.06	-8.02	NA	-6.63	NA	NA	-2.95	NA	NA	NA	NA
PCS 1057	1	90	-16.98	-224.28	NA	-1201.28	NA	-6.49	15647.3	NA	200.88	-8.48	NA	NA	NA	NA	NA	NA	NA	NA	-2.75
PCS 1058	1	90	-6.55	-347.22	NA	-7527.96	-313.17	-36.34	7069.62	NA	342.69	NA	NA	-9.61	NA	NA	NA	NA	NA	NA	2.3
PCS 1059	1	90	-1.07	-344.28	NA	-3093.01	-261.28	-9.36	14637.4	NA	8.4	NA	NA	-11.08	NA	NA	NA	NA	NA	NA	-4.92
PCS 1060	1	90	-7.33	-282.44	NA	-14583.9	-291.66	-23.85	4458.14	NA	31.02	NA	NA	-8.9	NA	NA	NA	NA	NA	NA	-5.98
PCS 1061	2	90	-5.25	-220.15	NA	-6717.72	-341.44	-21.125	8520.7	NA	170.07	NA	NA	-5.355	NA	NA	NA	NA	NA	NA	-4.075
PCS 1062	1	90	-0.32	-261.9	NA	-6804.69	-277.96	-14.53	7848.18	NA	126.17	NA	NA	-3.44	NA	NA	NA	NA	NA	NA	0
PCS 1063	1	90	-2.81	-303.29	NA	-2264.55	NA	-16.78	6422.14	NA	32.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.24
PCS 1064	1	90	-3.41	-359.27	NA	-5265.2	-325.5	-19.4	12059.8	NA	65.37	-8.38	NA	NA	-31208.5	NA	NA	NA	NA	NA	8.23
PCS 1065	1	90	-16.33	-301.68	NA	-5515.62	-289.9	-14.33	9239.95	NA	114.37	NA	NA	NA	NA	-31.23	NA	-79	NA	NA	7.13
PCS 1066	1	90	0.4	-394.92	NA	-1196.07	NA	-38.19	11067.4	NA	157.44	NA	NA	-4.68	NA	NA	NA	NA	NA	NA	-1.84
PCS 1067	1	90	-4.16	-509.86	NA	-932.82	NA	NA	9233.74	NA	77.91	NA	NA	-1.64	NA	NA	NA	NA	NA	NA	19.18
PCS 1068	1	90	NA	-614.04	NA	-4234.33	NA	-19.22	11548.5	NA	-4.71	NA	NA	-4.7	NA	NA	NA	NA	NA	NA	17.67
PCS 1069	1	90	-7.4	-568.22	NA	-5705.18	NA	-21.12	9660.28	NA	175.34	NA	NA	NA	NA	NA	NA	-94.56	NA	NA	-3.41
PCS 1070	1	90	NA	-505.59	NA	-4317.25	-278.03	NA	11117.1	NA	16.35	NA	NA	-6.96	NA	-31.44	NA	NA	NA	NA	1.05
PCS 1071	1	90	-9.3	-486.21	NA	-1056.31	NA	-20.52	10079.9	NA	199.48	-11.49	NA	NA	NA	NA	NA	-102.1	NA	NA	1.67
PCS 1072	1	90	NA	-263	NA	-14158	-319.62	-33.13	12764.1	NA	260.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	-2.08
PCS 1073	1	90	NA	-432.13	NA	-2820.66	NA	-34.13	2298.6	NA	53.08	NA	NA	-5.48	NA	NA	NA	NA	NA	NA	4.28
PCS 1074	1	90	NA	-572	NA	-1680.93	NA	NA	5746.29	NA	45.4	NA	NA	-12.84	NA	NA	NA	-113.5	NA	NA	14.08
PCS 1075	1	90	NA	-586.36	NA	-1333.24	NA	-44.74	5603.58	NA	115.67	NA	NA	-1.11	NA	-33.89	NA	-77	NA	NA	12.56
PCS 1076	1	90	-6.59	-493.72	NA	-6465.91	-269.59	-14.37	8807.09	NA	179.42	NA	NA	-5.71	NA	NA	NA	NA	NA	NA	3.32
PCS 1077	1	90	NA	-719.44	NA	-1327.29	NA	-23.02	6862.01	NA	214.99	NA	NA	1.31	NA	NA	NA	-119.77	NA	NA	12.06
PCS 1078	1	90	NA	-418.89	NA	-2157.58	NA	-15.97	9994.28	NA	313.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	-6.68
PCS 1079	1	90	NA	-489.57	NA	-15019.4	NA	-5.81	6849.3	NA	194.07	NA	NA	NA	NA	NA	NA	-86.09	NA	NA	19.9
PCS 1080	1	90	NA	-503.34	NA	-11531.2	NA	-21.83	8339.92	NA	192.04	NA	NA	-7.72	NA	NA	NA	-93.06	NA	NA	5.26
PCS 1081	1	90	NA	-441.73	NA	-11892.5	-360.27	-18.64	2554.71	NA	88.51	NA	NA	NA	NA	-36.93	NA	-128.18	NA	NA	-2.14
PCS 1082	1	90	NA	-321.06	NA	-16413.4	-371.94	-1.36	8378.35	NA	233.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.47
PCS 1083	1	90	-12.96	-479.35	NA	-11079.7	NA	-9.46	5286.47	NA	263.61	NA	NA	NA	NA	-31.23	NA	-125.19	NA	NA	13.3
PCS 1084	1	90	NA	-428.52	NA	-3072.12	-521.52	-4.43	-1064.68	NA	-96.63	-13.16	NA	-15.69	NA	-35.63	NA	-75.73	NA	NA	-0.81
PCS 1085	1	90	NA	-414.11	NA	-9263.38	-363.1	-14.92	6253.93	NA	58.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	-2.8
PCS 1086	1	90	-13.2	-514.58	NA	-10520.1	NA	NA	3388.33	NA	71.27	NA	NA	NA	NA	-25.36	NA	-119.42	NA	NA	-20.44

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1087	1	90	-9.55	-395.02	NA	-2819.47	-490.9	-9.72	823.17	NA	149.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	-2.48
PCS 1088	1	90	-12.2	-326.95	NA	-3642.29	NA	-10.98	4173.92	NA	115.87	NA	NA	-7.25	NA	NA	NA	-107.24	NA	NA	-4.69
PCS 1089	1	90	NA	-411.32	NA	-1994.31	-324.44	-41.52	3609.74	NA	76.88	NA	NA	-11.63	NA	NA	NA	NA	NA	NA	-0.69
PCS 1090	1	90	NA	-421.02	NA	-2592.91	NA	-28.06	5805.94	NA	399.7	NA	NA	-12.44	NA	NA	NA	NA	NA	NA	0.27
PCS 1091	1	90	NA	-463.23	NA	-9212.41	-292.82	-33.54	7588.75	NA	149.57	NA	NA	-11.73	NA	NA	NA	NA	NA	NA	-7.32
PCS 1092	1	90	-6.72	-381.05	NA	-1396.46	-342.19	5.46	9028.41	NA	133.63	-9.3	NA	NA	NA	NA	NA	NA	NA	NA	14.76
PCS 1093	1	90	-2.65	-431.82	NA	-5945.29	NA	-11.45	8346.2	NA	321.58	NA	NA	-3.92	NA	NA	NA	NA	NA	NA	8.51
PCS 1094	1	90	-8.14	-396.08	NA	-5736.61	-333.47	-23.1	5898.85	NA	123.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.35
PCS 1095	1	90	-14.24	-525.28	NA	-1089.36	NA	-3.73	8711.72	NA	56.21	NA	NA	-3.7	NA	NA	NA	-86.08	NA	NA	-16.89
PCS 1096	1	90	NA	-450.57	NA	-1935.94	-328.86	-20.32	12067.8	NA	251.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.65
PCS 1097	1	90	NA	-401.25	NA	-6404.37	NA	-15.98	2213.01	NA	36.53	-9.42	NA	-8.33	NA	NA	NA	NA	NA	NA	-30.9
PCS 1098	1	90	NA	-455.85	NA	-10126.7	-513.64	-27.54	2296.05	NA	187.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	-10.48
PCS 1099	1	90	NA	-583.38	NA	-7503.44	NA	-18.16	8440.66	NA	109.73	NA	NA	-11.58	NA	-38.69	NA	-118.65	NA	NA	-0.85
PCS 1100	1	90	NA	-646.41	NA	-7272.9	NA	-12.98	6889.74	NA	212.55	NA	NA	-21.11	NA	NA	NA	NA	NA	NA	-12.71
PCS 1101	1	90	NA	-548.25	NA	-6540.49	NA	NA	10569.1	NA	149.07	NA	NA	-8.24	NA	NA	NA	NA	NA	NA	2.83
PCS 1102	1	90	-9.85	-602.74	NA	-10526.6	-342.15	-27.06	3640.23	NA	101.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	-17.09
PCS 1103	1	90	NA	-506.41	NA	-9810.44	NA	17.11	8080.14	NA	126.72	NA	NA	NA	NA	-32.9	NA	-76.32	NA	NA	15.25
PCS 1104	1	90	NA	-1051.02	NA	-1909.11	-408.17	6.18	12446.1	NA	261.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.67
PCS 1105	1	90	-13.86	-937.72	NA	-6576.33	-417.11	-2.67	8651.75	NA	154.21	NA	NA	NA	NA	-41.54	NA	-106.35	NA	NA	6.04
PCS 1106	1	90	NA	-796.67	NA	-1831.78	-339.8	-21.76	13416	NA	231.85	-8.89	NA	NA	NA	-36.23	NA	NA	NA	NA	6.79
PCS 1107	1	90	-10.62	-310.15	NA	-2075.37	-491.35	19.63	14755.8	NA	322.96	NA	NA	NA	NA	NA	NA	-70.98	NA	NA	25.43
PCS 1108	1	90	NA	-727	NA	-1376.29	-374.85	-0.18	11567.3	NA	150.59	-11.38	NA	NA	NA	NA	NA	NA	NA	NA	20.06
PCS 1109	1	90	1.76	-290.7	NA	-3774.74	-555.16	-39.64	14179.1	NA	53.67	-13.18	NA	-5.87	NA	NA	NA	-122.9	NA	NA	-7.79
PCS 1110	1	90	-5.33	-338.4	NA	-7556.27	-319.57	3.16	8464.87	NA	221.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.06
PCS 1111	1	90	NA	-282.25	NA	-1228.64	-429.84	-3.93	12718.6	NA	495.93	NA	NA	-4.37	NA	NA	NA	NA	NA	NA	0.73
PCS 1112	1	90	-9.82	-365.44	NA	-680.15	-319.07	-37.52	11739.7	NA	81.08	NA	NA	NA	NA	-35.98	NA	-115.85	NA	NA	NA
PCS 1113	1	90	-7.81	-324.24	NA	-6121.74	NA	-7.04	7791.55	NA	241.67	NA	NA	NA	NA	NA	NA	-77.2	NA	NA	14.24
PCS 1114	1	90	-2.87	-258.81	NA	-577.31	-634.24	-12.9	16467.4	NA	NA	NA	NA	-13.96	NA	NA	NA	NA	NA	NA	1.03
PCS 1115	1	90	-5.22	-387.21	NA	-454.48	-459.01	-7.9	12627.4	NA	NA	-10.62	NA	-10.49	NA	-47.64	NA	-109.43	NA	NA	-17.85
PCS 1116	1	90	-22.3	-354.58	NA	-2090.57	-470.73	-33.89	11030.3	NA	-80.2	NA	NA	NA	NA	NA	-3.26	NA	NA	NA	-7.59
PCS 1117	1	90	-5.98	-358.82	NA	-3888.33	-357.54	-42.02	14030.5	NA	168.71	NA	NA	-6.37	NA	NA	NA	NA	NA	NA	NA
PCS 1118	1	90	NA	-397.41	NA	-1224.19	NA	NA	6106.45	NA	127.38	-7.84	NA	-11.08	NA	NA	NA	-74.39	NA	NA	NA
PCS 1119	1	90	-3.14	-378.48	NA	-3275.05	-347.06	-28.2	14542.4	NA	170.94	-6.96	NA	-6.82	NA	NA	NA	-70.87	NA	NA	-24.32
PCS 1120	1	90	NA	-547.86	NA	-1309.51	-254.21	NA	9305.35	NA	282.63	NA	NA	-7.71	NA	NA	NA	NA	NA	NA	-5.51
PCS 1121	1	90	NA	-402.96	NA	-5314.34	NA	NA	7721.68	NA	569.39	NA	NA	NA	-15520.5	NA	NA	NA	NA	NA	NA
PCS 1122	1	90	NA	-377.73	NA	-1057.13	NA	NA	5752.42	NA	428.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	-8.84
PCS 1123	1	90	NA	-457.56	NA	-1197.94	NA	NA	5884.53	NA	142.85	NA	NA	-8.87	NA	NA	NA	-82.67	NA	NA	NA
PCS 1124	1	90	NA	-312.71	NA	-6296.83	NA	NA	6659.49	NA	124.75	NA	NA	-11.92	-15727.7	NA	NA	NA	NA	NA	NA
PCS 1125	1	90	-3.88	-430.01	NA	-2306.2	NA	NA	17355.5	NA	102.25	NA	NA	-2.95	NA	-26	-0.14	NA	NA	NA	-3.25
PCS 1126	1	90	-7.63	-605.76	NA	-633.42	-240.71	1.92	9435.62	NA	NA	NA	NA	-6.31	NA	NA	NA	NA	NA	NA	7.05
PCS 1127	1	90	-1.98	-463.07	NA	NA	-1471.92	-38.51	-9211.33	NA	NA	NA	NA	-9.39	NA	NA	NA	-155.76	NA	NA	-21.43
PCS 1128	1	90	-8.36	-418.72	NA	NA	-2865.96	NA	-221696	NA	NA	-11.32	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCS 1129	1	90	-11.52	-331.43	NA	-360.09	-488.26	NA	14860.1	NA	NA	NA	NA	-10.67	NA	-26.38	NA	-82.1	NA	NA	NA

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1130	1	90	-8.12	-334.34	NA	-2404.16	NA	NA	15117	NA	22.6	NA	NA	-20.96	NA	NA	NA	NA	NA	NA	NA
PCS 1131	1	90	-2.57	-155.11	NA	-6362.67	NA	-19.23	9796.24	NA	89.11	-3.64	NA	-14.3	NA	NA	NA	NA	NA	NA	NA
PCS 1132	1	90	1.28	-428.33	NA	-2366.5	-342.18	-12.45	10352.4	NA	NA	NA	NA	-16.39	NA	NA	NA	NA	NA	NA	-8
PCS 1133	1	90	-10.17	-429.49	NA	-2246.99	-387.01	NA	10169.9	NA	69.41	NA	NA	-12.27	NA	NA	-0.96	NA	NA	NA	NA
PCS 1135	1	90	-13.32	-354.44	NA	-1561.19	-570.22	NA	10234.7	NA	NA	-14.08	NA	NA	-14898	NA	-2.19	NA	NA	NA	-23.27
PCS 1136	1	90	-16.42	-262.63	NA	-652.03	NA	-22.53	15103.3	NA	200.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.14
PCS 1137	1	90	-11.14	-432.39	NA	-11147.3	-283.9	6.46	11192.4	NA	176.41	NA	NA	-5.04	NA	NA	NA	-125.06	NA	NA	16.08
PCS 1138	1	90	-3.98	-342.71	NA	-561.44	NA	-6.29	15282.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-13.36
PCS 1139	1	90	-8.71	-294.27	NA	-1302.73	NA	-23.88	12384.9	NA	227.49	NA	NA	-8.45	NA	NA	NA	NA	NA	NA	-8.27
PCS 1141	1	90	-8.25	-351.79	NA	-2362.7	NA	NA	15774.4	NA	NA	-5.71	NA	-8.56	-12051	NA	-2.65	NA	NA	NA	NA
PCS 1142	1	90	-7.3	-289.02	NA	-3774.24	-318.09	-4.1	13405.1	NA	10.98	NA	NA	-11.33	NA	NA	NA	NA	NA	NA	-5.49
PCS 1143	1	90	-5.6	-435.58	NA	-728.35	NA	NA	10587.6	NA	47.35	NA	NA	-7.88	NA	NA	NA	-96.1	NA	NA	NA
PCS 1144	1	90	-8.75	-653.68	NA	-10958	-304.49	-33.76	465.58	NA	-11.12	NA	NA	NA	NA	-40.55	NA	-132.15	NA	NA	-9.16
PCS 1145	1	90	-13.81	-626.21	NA	-3784.79	NA	-2.5	15159.5	NA	8.75	NA	NA	NA	NA	NA	NA	-75.35	NA	NA	9.06
PCS 1146	1	90	-5.7	-494.95	NA	-1042.6	NA	NA	9104.46	NA	79.51	NA	NA	-14.94	NA	NA	NA	NA	NA	NA	-0.77
PCS 1147	1	90	NA	-425.46	NA	-7632.99	NA	-17.13	5096.3	NA	261.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.17
PCS 1148	1	90	NA	-407.93	NA	-4374.98	NA	NA	6312.37	NA	303.65	-11.48	NA	-0.45	-16123.8	NA	NA	NA	NA	NA	4.94
PCS 1149	1	90	2.06	-289.84	-64.37	-6489.03	-286.93	NA	10787.7	NA	86.45	-6.58	NA	-34.88	-14599.5	NA	NA	NA	NA	NA	10.32
PCS 1150	1	90	NA	-369.64	NA	-1668.96	NA	NA	3863.8	NA	75.24	NA	NA	-8.47	NA	NA	NA	NA	NA	NA	-15.41
PCS 1151	1	90	NA	-401.59	NA	-4946.56	NA	NA	5148.14	NA	98.78	NA	NA	-7.32	-19759.4	NA	NA	NA	NA	NA	0.13
PCS 1152	1	90	NA	-396.98	NA	-5542.71	NA	NA	3590.16	NA	279.56	-7.77	NA	NA	NA	NA	NA	-105.4	NA	NA	-9.64
PCS 1153	1	90	NA	-415.96	NA	-7877.96	NA	NA	4553.57	NA	518.13	NA	NA	-7.69	-15626.7	NA	NA	-82.46	NA	NA	-9.91
PCS 1154	1	90	NA	-329.02	NA	-5260.06	NA	NA	4434.11	NA	323.29	NA	NA	-9.34	NA	NA	NA	NA	NA	NA	-7.5
PCS 1155	1	90	NA	-370.83	NA	-5167.3	NA	NA	4873.13	NA	263.59	-8.42	NA	-10.24	NA	NA	NA	NA	NA	NA	NA
PCS 1156	1	90	NA	-407.72	NA	-4571.42	NA	NA	4732.02	NA	33.73	NA	NA	NA	-17441.6	NA	NA	NA	NA	NA	NA
PCS 1157	1	90	NA	-542.19	NA	-1686.66	NA	NA	7694.36	NA	207.24	NA	NA	-6.91	-8910.21	NA	NA	NA	NA	NA	9.38
PCS 1158	1	90	-6.48	-313.53	NA	-2342.81	-503.46	-10.61	8594.67	NA	-13.5	NA	NA	-4.18	-18575.6	NA	-3.41	-109.02	NA	NA	-0.23
PCS 1159	1	90	3.37	-299.12	NA	-3477.28	NA	-39.55	-9900.92	NA	-115.68	NA	NA	4.12	NA	NA	NA	NA	NA	NA	-5.75
PCS 1161	1	90	-11.92	-217.82	NA	-668.26	-398.32	-6.76	5690.67	NA	95.96	NA	NA	-3.25	NA	NA	NA	NA	NA	NA	-9.75
PCS 1162	1	90	0.42	-294.49	NA	-3633.24	NA	-26.7	11640.9	NA	78.55	NA	NA	-3.27	NA	NA	NA	NA	NA	NA	-9.18
PCS 1163	1	90	14.94	-307.9	NA	-498.26	NA	-29.16	8313.15	NA	NA	-6.54	NA	-13.49	NA	NA	-3.14	-121.98	NA	NA	-10.04
PCS 1164	1	90	-3.49	-320.78	NA	-586.2	NA	-20.65	9361.47	NA	NA	NA	NA	-4.74	NA	-28.84	NA	-71.07	NA	NA	-5.66
PCS 1165	1	90	-2.12	-289.23	NA	-4577.59	NA	-9.94	5859.3	NA	NA	NA	NA	-7.42	NA	NA	NA	NA	NA	NA	-6.68
PCS 1166	1	90	-7.58	-313.03	NA	-1464.88	-296.87	-7.59	5325.09	NA	58	NA	NA	NA	NA	NA	NA	NA	NA	NA	-3.04
PCS 1167	1	90	-5.65	-333.93	NA	-3410.51	-393.19	-16.95	7518.05	NA	NA	NA	NA	NA	NA	-26.28	NA	-85.28	NA	NA	-12.35
PCS 1168	1	90	-8.11	-809.41	NA	-1820.84	NA	-5.23	5605.41	NA	151.08	NA	NA	NA	NA	NA	NA	-83.8	NA	NA	0.45
PCS 1169	1	90	-9.18	-284.6	NA	-7687.91	NA	26.05	3325.72	NA	321.08	NA	NA	NA	-21167.7	NA	NA	NA	NA	NA	-10.29
PCS 1170	1	90	NA	-565.15	NA	-8814.57	NA	NA	3293.69	NA	147.33	NA	NA	-9.8	-18404.2	NA	NA	-94.82	NA	NA	-0.1
PCS 1171	1	90	NA	-301.92	NA	-1978.48	-311.26	13.04	5914.07	NA	164.62	NA	NA	-7.21	NA	NA	NA	NA	NA	NA	21.75
PCS 1172	1	90	NA	-376.59	NA	-1576.39	NA	-1.25	4511.06	NA	189.88	NA	NA	-14.64	NA	NA	NA	NA	NA	NA	-8.59
PCS 1173	1	90	-9.42	-402.2	NA	-2085.41	NA	1.33	8779.8	NA	134.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	-11.84
PCS 1174	1	90	-12.49	-469.79	NA	-7947.57	-343.56	-14.29	6020.84	NA	-129.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.49
PCS 1175	1	90	NA	-519.78	NA	-6823.87	NA	-3.04	7931.35	NA	152.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.09

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1176	1	90	NA	-510.02	NA	-6851.4	NA	-5.86	9043.91	NA	193.89	NA	NA	-6.32	-19684.7	NA	NA	-77.89	NA	NA	5.8
PCS 1177	1	90	NA	-514.89	NA	-1618.99	NA	-19.64	4713.09	NA	12.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.66
PCS 1178	1	90	NA	-444.07	NA	-8887.37	NA	0.86	4171.6	NA	132.21	NA	NA	-6.44	NA	NA	NA	NA	NA	NA	0.03
PCS 1179	1	90	NA	-354.25	NA	-8449.3	-274.24	-18.24	6025.23	NA	219.54	-8.95	NA	-7.93	NA	NA	NA	NA	NA	NA	2.45
PCS 1180	1	90	NA	-475.5	NA	-2169.33	NA	NA	3380.65	NA	145.29	NA	NA	NA	NA	-29.21	NA	-81.16	NA	NA	-9.03
PCS 1181	1	90	NA	-432.92	NA	-8521.05	NA	-16.22	3214.95	NA	131.01	NA	NA	NA	NA	NA	NA	-91.94	NA	NA	7.88
PCS 1182	1	90	NA	-403.39	NA	-9345.84	NA	8.37	7162.1	NA	147.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.69
PCS 1183	1	90	NA	-390.47	NA	-13383.8	-384.86	-10.94	7701.95	NA	-24.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.13
PCS 1184	1	90	NA	-439.73	NA	-3383.99	NA	-12.66	3378.22	NA	52.9	NA	NA	-15.15	NA	NA	NA	NA	NA	NA	-3.84
PCS 1185	1	90	NA	-516.97	NA	-12997.8	-444.95	-3.83	4409	NA	31.5	NA	NA	NA	NA	-33.75	NA	-92.48	NA	NA	5.45
PCS 1186	1	90	NA	-582.18	NA	-2519.13	NA	-16.95	-177.9	NA	-4.46	NA	NA	NA	NA	-36.09	NA	-129.99	NA	NA	3.04
PCS 1187	1	90	NA	-465.75	NA	-13609	-461.21	44.24	17880	NA	260.54	NA	NA	NA	NA	NA	NA	-78.41	NA	NA	11.91
PCS 1188	1	90	NA	-417.79	NA	-11311.3	-310.41	NA	4146.4	NA	190.52	NA	NA	-9.82	NA	NA	NA	-105.79	NA	NA	4.6
PCS 1189	1	90	NA	-410.45	NA	-9731.76	NA	4.82	2050.85	NA	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.72
PCS 1190	1	90	-5.52	-680.75	NA	-12724.4	NA	6.39	1382.5	NA	178.64	NA	NA	-8.9	NA	-35.02	NA	-106.03	NA	NA	-1.11
PCS 1191	1	90	-9.67	-437.8	NA	-7020.81	NA	-4.79	4733.62	NA	6.46	NA	NA	-7.71	NA	NA	NA	NA	NA	NA	-7.86
PCS 1192	1	90	-7.39	-334.93	NA	-6284.77	-345.32	-9.02	10926.1	NA	269.07	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.12
PCS 1193	1	90	-5.29	-422.53	NA	-1278.71	NA	-6.44	7031.23	NA	300.62	NA	NA	NA	NA	-30.7	NA	-102.86	NA	NA	-10.1
PCS 1194	1	90	-5.49	-460.87	NA	-1702.41	-344.71	33.19	10417.7	NA	175.17	NA	NA	NA	NA	-38.4	NA	-87.94	NA	NA	7.65
PCS 1195	1	90	NA	-284.96	NA	-4431.18	NA	NA	5332.07	NA	267.62	-9.09	NA	NA	-15295.9	NA	NA	NA	NA	NA	-3.43
PCS 1196	1	90	NA	-690.62	NA	-7615.84	NA	-11.54	6774.45	NA	213.51	NA	NA	NA	NA	NA	NA	-101.59	NA	NA	19.37
PCS 1197	1	90	NA	-440.59	NA	-8127.87	NA	-9.15	11755.3	NA	167.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.75
PCS 1198	1	90	NA	-519.35	NA	-10511.1	NA	-30	5897	NA	226.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	-2.95
PCS 1199	1	90	NA	-431.74	NA	-10046.6	NA	NA	2106.28	NA	42.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	-1.18
PCS 1200	1	90	NA	-408.68	NA	-2252.44	NA	NA	5384.56	NA	180.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.26
PCS 1201	1	90	NA	-433.34	NA	-2462.54	NA	-28.59	5607.77	NA	70.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	-0.55
PCS 1202	1	90	NA	-370.46	NA	-2180.88	NA	NA	727.75	NA	79.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	-10.01
PCS 1203	1	90	-3.2	-285.74	NA	-3059.1	NA	-1.68	11057.4	NA	-11.8	-12.7	NA	NA	NA	NA	NA	NA	NA	NA	0.98
PCS 1204	1	90	-9.66	-387.93	NA	-5835.49	NA	-6.42	7111.69	NA	218.73	NA	NA	-4.85	NA	NA	NA	-78.73	NA	NA	3.17
PCS 1205	1	90	-6.21	-397.29	NA	-2072.84	-361.61	8.91	6612.47	NA	138.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.53
PCS 1206	1	90	-14.31	-564.96	NA	-7453.7	NA	-7	9779.39	NA	93.08	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.35
PCS 1207	1	90	-20.37	-529.04	NA	-5871.7	-288.68	1.4	7645.38	NA	125.26	NA	NA	NA	NA	-41.13	NA	-155.16	NA	NA	19.66
PCS 1208	1	90	-15.86	-615.3	NA	-6592.95	NA	NA	5734.61	NA	197.73	NA	NA	-4.99	NA	NA	NA	NA	NA	NA	8.66
PCS 1209	1	90	-6.87	-522.24	NA	-1145.34	NA	-9.07	8575	NA	161.15	NA	NA	-8.33	NA	-26.98	NA	-91.36	NA	NA	9.07
PCS 1210	1	90	-12.44	-593.02	NA	-4602.1	NA	-16.25	11337.2	NA	299.34	-6.65	NA	NA	NA	-42.63	NA	-107.72	NA	NA	17.21
PCS 1211	1	90	-16.62	-426.17	NA	-5477.67	-379.89	-25.94	7936.47	NA	380.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	-4.11
PCS 1212	1	90	-8.19	-453	NA	-1155.31	NA	NA	10985.2	NA	341.45	NA	NA	-4	NA	NA	NA	NA	NA	NA	6.04
PCS 1213	1	90	-6.04	-514.69	NA	-6412.5	NA	-17.63	6546.7	NA	189.16	-8.31	NA	-4.19	NA	NA	NA	NA	NA	NA	6.6
PCS 1214	1	90	-11.07	-415.01	NA	-1201.58	-334.01	-15.76	6508.65	NA	198.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.17
PCS 1215	1	90	-3.9	-406.94	NA	-1462.22	NA	-31.52	7673.77	NA	233.01	NA	NA	-4.2	NA	NA	NA	NA	NA	NA	3.61
PCS 1216	1	90	-20	-400.81	NA	-5903.96	NA	-19.52	11613.1	NA	298.99	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.87
PCS 1217	1	90	-10.16	-456.19	NA	-8898.34	-349.18	NA	8919.68	NA	189.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.04
PCS 1218	1	90	-12.21	-502.13	NA	-2281.78	-457.55	-4.19	12008.3	NA	338.05	NA	NA	NA	NA	NA	NA	-114.96	NA	NA	17.47

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1219	1	90	-9.51	-480.59	NA	-1858.46	NA	-3.17	10759.5	NA	312.43	NA	NA	-17.58	NA	NA	NA	NA	NA	NA	4.49
PCS 1220	1	90	-0.6	-1094.2	NA	-1362.99	NA	NA	9349.89	NA	399.92	NA	NA	2.15	NA	-34.62	NA	-151.46	NA	NA	3.06
PCS 1221	1	90	-7.33	-710.84	NA	-7863.79	NA	-1.73	15214.2	NA	314.43	-10.85	NA	NA	NA	-50.07	NA	-130.87	NA	NA	29.39
PCS 1222	1	90	-13.26	-523.4	NA	-7784.82	-340.53	-15.55	13139.8	NA	181.94	NA	NA	NA	NA	NA	NA	-95.18	NA	NA	28.68
PCS 1223	1	90	-4.82	-451.62	NA	-1805.05	-314.5	-7.97	13918.9	NA	147.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.59
PCS 1224	1	90	0.27	-614.54	NA	-7757.28	-350.76	5.77	12428.9	NA	328.31	-8.47	NA	-8.96	NA	NA	NA	NA	NA	NA	29.27
PCS 1225	1	90	-11.06	-546.19	NA	-9254.53	-339.93	NA	11151.1	NA	205.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.65
PCS 1226	1	90	NA	-473.2	NA	-7881.27	NA	-8.62	13952	NA	206.14	NA	NA	-8.53	NA	NA	NA	NA	NA	NA	18.83
PCS 1227	1	90	-5.24	-517.65	NA	-6562.17	NA	-18.83	7680.85	NA	97.6	-10.26	NA	-4.74	NA	NA	NA	-97.15	NA	NA	10.82
PCS 1228	1	90	-7.05	-513.57	NA	-6932.49	NA	-17.21	6382.95	NA	137.07	NA	NA	-10.03	NA	NA	NA	NA	NA	NA	11.91
PCS 1229	1	90	-6.19	-524.65	NA	-7281.05	-308.09	-3.11	6227.39	NA	221.08	-12.8	NA	NA	NA	NA	NA	NA	NA	NA	22.87
PCS 1230	1	90	NA	-507.02	NA	-6268.88	NA	-13.07	8020.83	NA	161.89	NA	NA	-7.11	NA	NA	NA	NA	NA	NA	7.4
PCS 1231	1	90	-6.25	-433.67	NA	-1951.72	NA	-1.05	9138.82	NA	188.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.48
PCS 1232	1	90	-10.38	-427.03	NA	-10027.4	NA	-16.18	3471.89	NA	112.08	NA	NA	NA	NA	NA	NA	NA	NA	NA	-6.84
PCS 1233	1	90	-1.64	-447.49	NA	-9399.91	-454.78	-3.56	1154.74	NA	209.5	NA	NA	-11.05	-23416.4	NA	NA	-114.8	NA	NA	-7.39
PCS 1234	1	90	-14.84	-513.13	NA	-9324.47	-309.01	-16.88	3680.23	NA	232.86	NA	NA	NA	NA	NA	NA	-124.76	NA	NA	25.99
PCS 1235	1	90	NA	-424.76	NA	-7978.32	-328.22	0.23	5225.49	NA	65.39	NA	NA	-11.33	NA	NA	NA	NA	NA	NA	12.16
PCS 1236	1	90	-9.83	-463.64	NA	-14883.2	-302.44	-16.03	2067.75	NA	-85.94	NA	NA	-11.65	NA	NA	NA	NA	NA	NA	13.09
PCS 1237	1	90	-3.51	-338.81	NA	-9320.93	-374.73	-6.55	1396.69	NA	122.64	NA	NA	-6.95	NA	NA	NA	NA	NA	NA	14.52
PCS 1238	1	90	NA	-417.32	NA	-17667.1	NA	8.06	3433.09	NA	9.14	NA	NA	-8.86	-20400.8	NA	NA	NA	NA	NA	5.16
PCS 1239	1	90	-9.03	-405.11	NA	-15006.6	NA	15.81	4384.13	NA	99.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.68
PCS 1240	1	90	NA	-397.06	NA	-10389	NA	-14.48	5750.73	NA	118.71	NA	NA	-18.85	NA	NA	NA	NA	NA	NA	15.32
PCS 1241	1	90	NA	-149.82	NA	-1376.41	-353.93	-27.5	5905.76	NA	77.78	NA	NA	-9.03	NA	NA	NA	NA	NA	NA	-14.74
PCS 1242	1	90	-12.15	-341.79	NA	-6323.74	NA	4.24	8599.99	NA	-14.23	NA	NA	-4.07	NA	NA	NA	NA	NA	NA	NA
PCS 1243	1	90	-9.3	-342	NA	-552.81	-756.95	-2.01	1041.27	NA	4.25	NA	NA	-4.54	NA	NA	-2.12	-73.19	NA	NA	-4
PCS 1244	1	90	-14.1	-346.2	NA	-3227.11	-410.93	-8.29	12136.3	NA	-2.16	-7.89	NA	-8.06	NA	NA	-1.88	NA	NA	NA	-6.35
PCS 1245	1	90	1.45	-294.82	NA	-4295.22	-444.39	14.56	13883.1	NA	42.18	NA	NA	-5.89	NA	-56.43	NA	NA	NA	NA	5.53
PCS 1246	1	90	1.2	-249.23	NA	-3168.32	-224.26	NA	14324.4	NA	NA	-4.16	NA	5.12	NA	NA	2.17	-107.83	NA	NA	NA
PCS 1247	1	90	-9.97	-344.93	NA	-587.71	NA	-6.33	12952.2	NA	NA	NA	NA	NA	NA	NA	2.73	-95.17	NA	NA	NA
PCS 1248	1	90	-4.58	-352.74	-69.32	-3079.03	NA	-20.69	9218.82	NA	102.98	-6.11	NA	-5.27	NA	-35.41	-5.01	-132.05	NA	NA	-11.98
PCS 1249	1	90	-2.6	-283.22	NA	-525.14	-285.66	NA	11609.9	NA	59.36	-5.67	NA	-17.89	NA	-44.81	NA	-121.66	NA	NA	NA
PCS 1250	1	90	-12.24	-318.24	NA	-4805.02	-515.27	-40.76	10000.9	NA	43.19	-0.65	NA	7.96	NA	NA	NA	NA	NA	NA	-2.97
PCS 1251	1	90	-4.73	-331.65	NA	-3369.71	-556.75	-46.2	10918.6	NA	31.34	11.09	NA	-6.64	NA	-35.82	-1.06	NA	NA	NA	-15.56
PCS 1252	1	90	NA	-362.03	NA	-3101.18	NA	-10.28	5086.44	NA	38.49	-12.88	NA	-8.62	NA	NA	NA	NA	NA	NA	-4.13
PCS 1253	1	90	-13.26	-363.35	NA	-580.63	-340.06	-14.05	12726.4	NA	NA	-2.83	NA	-2.67	NA	NA	-5.02	-86.84	NA	NA	-3.79
PCS 1254	1	90	-5.84	-373.69	NA	-4149.77	-490.74	-31.77	7810.41	NA	167.25	NA	NA	-13.66	NA	NA	NA	NA	NA	NA	8.78
PCS 1255	1	90	4.27	-344.27	NA	-2311.23	NA	-49.75	9169.69	NA	159.64	-3.98	NA	-8.08	NA	NA	NA	-74.42	NA	NA	-0.87
PCS 1256	1	90	-6.87	-348.53	NA	-3372.77	-297.17	-25.7	9712.59	NA	55.66	-5.08	NA	-12.87	NA	NA	NA	-85.98	NA	NA	-3.94
PCS 1257	1	90	-7.64	-291.25	NA	-1154.05	-312.8	-25.67	7028.64	NA	23.85	-9.3	NA	0.25	NA	NA	NA	NA	NA	NA	-16.33
PCS 1258	1	90	-16.35	-262.76	NA	-7007.06	-385.5	-34.59	6965.21	NA	190.08	NA	NA	1.7	NA	NA	NA	NA	NA	NA	-15.41
PCS 1259	1	90	-10.16	-385.46	NA	-364.88	-929.91	-29.23	4829.66	NA	-62.39	5.35	NA	0.64	NA	-26.59	-9.68	-93.61	NA	NA	-6.49
PCS 1260	1	90	-12.75	-272.52	NA	-4829.18	-325.73	15.7	5361.1	NA	107.19	NA	NA	-4.78	NA	NA	NA	-88.52	NA	NA	12.45
PCS 1261	1	90	-8.64	-329.17	NA	-6313	-393.67	-0.8	-396.11	NA	16.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1262	1	90	-8.13	-351.04	NA	-6300.34	NA	1.99	5135.67	NA	141.74	NA	NA	-3.27	NA	NA	NA	NA	NA	NA	2.96
PCS 1263	1	90	-2	-283.33	NA	-2034.03	NA	2.67	5800.36	NA	76.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.8
PCS 1264	1	90	-0.26	-319.75	NA	-1910.41	-387.11	0.04	7082.71	NA	80.69	NA	NA	-7.93	NA	NA	NA	NA	NA	NA	1.95
PCS 1265	1	90	-4.83	-338.94	NA	-1803.25	NA	NA	5960.77	NA	-11.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	-13.5
PCS 1266	1	90	-2.93	-409.12	NA	-1780.35	-394.54	-10.57	10033.5	NA	-3.13	-8.84	NA	-6.58	NA	NA	NA	-88.85	NA	NA	37.98
PCS 1267	1	90	-6.38	-339.44	NA	-5694.86	-403.48	-3.02	3846.9	NA	173.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.75
PCS 1268	1	90	-9.28	-392.96	NA	-4638.55	NA	-5.65	5109.71	NA	128.13	NA	NA	0.62	NA	NA	NA	NA	NA	NA	16.93
PCS 1269	1	90	-10.13	-330.14	NA	-6128.13	NA	-9.98	4303.97	NA	63.75	-9.28	NA	-6.66	NA	NA	NA	NA	NA	NA	-5.77
PCS 1270	1	90	-6.17	-331.25	NA	-9303.98	NA	-22.34	721.56	NA	115.4	-9	NA	-2.05	-21127.2	NA	NA	NA	NA	NA	7.1
PCS 1271	1	90	-3.15	-327.04	NA	-1549.05	NA	0.27	6153.82	NA	105.16	NA	NA	-14.88	NA	NA	NA	NA	NA	NA	-9.35
PCS 1272	1	90	-2.8	-329.45	NA	-5992.48	NA	-52.91	4121.29	NA	73.98	NA	NA	-3.96	NA	NA	NA	-74.47	NA	NA	-14.97
PCS 1273	1	90	-10.97	-412.28	NA	-1599.82	NA	NA	3758.9	NA	223.57	NA	NA	-8.32	NA	NA	NA	-88.02	NA	NA	-2.19
PCS 1274	1	90	-6.71	-423.65	NA	-8905.64	NA	16.58	2685.84	NA	88.31	NA	NA	-9.03	NA	NA	NA	NA	NA	NA	-3.19
PCS 1275	1	90	-13.15	-474.66	NA	-7849.06	NA	-15.01	8835.77	NA	423.25	NA	NA	NA	NA	NA	NA	-100.61	NA	NA	-3.61
PCS 1276	1	90	-6.6	-445.76	NA	-1885.47	NA	-29.57	6076.36	NA	11.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.05
PCS 1277	1	90	-16.07	-426.5	NA	-1596.78	-357.39	-19.22	3625.74	NA	66.38	NA	NA	NA	NA	-28.05	NA	-88.58	NA	NA	6.56
PCS 1278	1	90	-7.43	-401.58	NA	-11581.2	NA	4.59	8980.69	NA	241.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.88
PCS 1279	1	90	-13.21	-518.92	NA	-1783.73	-293.11	27.99	4048.46	NA	279.96	NA	NA	NA	NA	NA	NA	-88.82	NA	NA	7.63
PCS 1280	1	90	-7.31	-539.7	NA	-7609.39	NA	-1.83	3535.25	NA	235.61	NA	NA	-12.57	NA	NA	NA	-126.05	NA	NA	9.78
PCS 1281	1	90	-3.49	-529.87	NA	-6106.88	-268.72	-13.59	5042.6	NA	345.66	NA	NA	-6.1	NA	NA	NA	NA	NA	NA	0.3
PCS 1282	1	90	-17.77	-346.42	NA	-2113.54	-326.92	-3.93	7538.96	NA	72.53	NA	NA	-3.66	NA	NA	NA	NA	NA	NA	-10.61
PCS 1283	1	90	-5.94	-312.41	NA	-1768.71	-378.04	7.38	4334.3	NA	129.49	NA	NA	-3.36	NA	NA	NA	NA	NA	NA	1.47
PCS 1284	1	90	-10.72	-519.73	NA	-7176.57	NA	-15.38	4523.09	NA	202.66	NA	NA	-9.03	NA	NA	NA	-73.4	NA	NA	-17.09
PCS 1285	1	90	-8.6	-692.78	NA	-1573.53	NA	-14.16	2956.75	NA	106	NA	NA	NA	NA	NA	NA	-121.88	NA	NA	9.15
PCS 1286	1	90	NA	-664.62	NA	-7113.37	NA	-29.95	2213.65	NA	72.15	NA	NA	-5.31	NA	NA	NA	NA	NA	NA	9.38
PCS 1287	1	90	-8.48	-536.44	NA	-8999.28	NA	NA	3470.99	NA	250.61	NA	NA	-0.53	NA	NA	NA	NA	NA	NA	-5.2
PCS 1288	1	90	-10.39	-554.66	NA	-2387.4	-263.85	-1.24	1836.7	NA	289.69	NA	NA	-9.69	NA	-37.34	NA	-84.74	NA	NA	-1.16
PCS 1289	1	90	-6.02	-432.07	NA	-14610.9	-371.16	-26.38	3989.89	NA	234.42	NA	NA	-6.7	NA	NA	NA	-85.26	NA	NA	5.18
PCS 1290	1	90	-8.49	-395.76	NA	-2885.45	NA	-33.71	848.67	NA	171.12	NA	NA	NA	NA	-27.84	NA	-101.64	NA	NA	1.8
PCS 1291	1	90	-11.23	-407.61	NA	-2020.11	-312.71	-26.05	2059.25	NA	98.35	NA	NA	-10.25	NA	-30.14	NA	-99.9	NA	NA	22.81
PCS 1292	1	90	NA	-523.08	NA	-10163.8	-331.65	-21.27	6149.83	NA	-23.36	NA	NA	-6.37	NA	NA	NA	NA	NA	NA	-0.56
PCS 1293	1	90	-4.28	-489.29	NA	-7667.93	NA	-4.62	7635.35	NA	202.38	NA	NA	-8.47	NA	NA	NA	-93.42	NA	NA	6.95
PCS 1294	1	90	-17.44	-428.95	NA	-9000.32	NA	16.97	4983.37	NA	271.02	-8.97	NA	-4.83	NA	NA	NA	NA	NA	NA	16.26
PCS 1295	1	90	-11.36	-416.06	NA	-1362.87	NA	6.83	2440.3	NA	185.65	-8.31	NA	-8.03	NA	NA	NA	NA	NA	NA	12.68
PCS 1296	1	90	-15.31	-433.5	NA	-2289	NA	NA	4342.82	NA	127.69	NA	NA	-7.52	NA	NA	NA	-94	NA	NA	2.64
PCS 1297	1	90	-11.68	-573.84	NA	-7105.09	-324.71	6.98	8703.07	NA	134.21	NA	NA	NA	NA	-26.39	NA	-120.33	NA	NA	3.63
PCS 1298	1	90	-6.76	-431.99	NA	-1461.68	-325.71	-36.08	7670.69	NA	203.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.39
PCS 1299	1	90	-31.01	-505.04	NA	-7366.25	NA	-27.67	4188.21	NA	124.27	NA	NA	NA	NA	-28.4	NA	-112.14	NA	NA	4.49
PCS 1300	1	90	-11.32	-449.81	NA	-8421.1	-353.74	-0.73	4688.76	NA	370.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.85
PCS 1301	1	90	-8.34	-259.33	NA	-5480.18	-538.79	3.05	9166.11	NA	131.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.26
PCS 1302	1	90	-13.82	-336.84	NA	-1266.31	-518.93	-18.63	2860.66	NA	54.72	NA	NA	NA	NA	NA	NA	-94.9	NA	NA	-3.6
PCS 1303	1	90	-16.24	-370.43	NA	-2284.13	NA	-12.8	-271.36	NA	210.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3
PCS 1304	1	90	-11.78	-380.01	NA	-2332.15	NA	18.52	5179.36	NA	165.34	NA	NA	-8.78	NA	NA	NA	NA	NA	NA	17.7

Sample Number	Number of readings	Average Duration	Difference (assay value - niton average value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1305	1	90	15.79	-256.52	NA	-1508.52	NA	53.95	12221.5	NA	107.53	NA	NA	-12.72	NA	NA	-0.3	NA	NA	NA	3.24
PCS 1306	1	90	-4.09	-383.65	NA	-1340.33	NA	-15.78	6023.76	NA	406.26	-7.34	NA	NA	NA	NA	NA	NA	NA	NA	15.86
PCS 1307	1	90	NA	-368.75	NA	-5809.73	NA	NA	2990.72	NA	128.68	NA	NA	NA	NA	-28.71	NA	-72.36	NA	NA	-10.46
PCS 1308	1	90	NA	-356.21	NA	-1529.14	NA	NA	4549.83	NA	207.46	NA	NA	-2.57	NA	NA	NA	NA	NA	NA	-10.96
PCS 1309	1	90	NA	-542.39	NA	-1143.77	NA	-21.7	6577.74	NA	170.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.46
PCS 1310	1	90	NA	-617.01	NA	-3998.3	NA	NA	5581.21	NA	72.85	NA	NA	NA	NA	NA	NA	-69.41	NA	NA	NA
PCS 1311	1	90	-11.11	-390.39	NA	-2240.69	-374.55	-4.28	1530.48	NA	89.59	NA	NA	NA	NA	NA	NA	-109.63	NA	NA	2.44
PCS 1312	1	90	NA	-469.77	NA	-3526.7	NA	4.32	4735.01	NA	193.45	NA	NA	-12.71	NA	NA	NA	-109.26	NA	NA	14.71
PCS 1313	1	90	-7.81	-232.31	NA	-1826.26	NA	-15.17	4855.36	NA	146.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	-10.92
PCS 1314	1	90	NA	-343.59	NA	-12505	NA	-21.45	7380.47	NA	10.45	NA	NA	NA	NA	-26.64	NA	-76.84	NA	NA	38.49
PCS 1315	1	90	-10.07	-423.86	NA	-7140.02	NA	-40.46	2520.62	NA	12.8	NA	NA	-10.68	NA	NA	NA	-75.07	NA	NA	-6.02
PCS 1316	1	90	NA	-423.54	NA	-8170.39	-373.25	-41.41	3140.28	NA	150.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	-3.94
PCS 1317	1	90	NA	-312.24	NA	-7437.66	-390.67	-18.83	1006.65	NA	60.52	NA	NA	-17.56	NA	NA	NA	NA	NA	NA	-19.31
PCS 1318	1	90	-9.95	-430.21	NA	-6377.94	NA	-33.23	3784.83	NA	124.59	NA	NA	-4.86	NA	NA	NA	-96.74	NA	NA	-12.65
PCS 1319	1	90	NA	-459.56	NA	-10284.1	NA	3.78	1344.22	NA	157.75	NA	NA	-6.18	NA	NA	NA	NA	NA	NA	9.96
PCS 1320	1	90	NA	-362.94	NA	-9225.53	NA	-34.7	844.82	NA	70.47	NA	NA	-11.06	NA	NA	NA	NA	NA	NA	14.63
PCS 1321	1	90	NA	-421.97	NA	-1944.06	-500.49	-5.48	4032.35	NA	193.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	-6.71

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1001	1	90	NA	NA	NA	NA	-1855	31	15	NA	18	NA	NA	NA	NA	-22893	NA	-1220700	NA	NA	29
PCS 1002	1	90	-264	NA	NA	NA	NA	3	18	NA	7	NA	NA	NA	NA	NA	NA	-407500	NA	NA	4
PCS 1003	1	90	NA	NA	NA	NA	-1474	-37	26	NA	21	-3344	NA	-65	NA	NA	NA	NA	NA	NA	15
PCS 1004	1	90	NA	NA	NA	NA	-1405	-22	23	NA	17	NA	NA	-35	NA	NA	NA	-452350	NA	NA	20
PCS 1005	1	90	NA	NA	NA	NA	-1835	-6	13	NA	0	NA	NA	-91	NA	-26369	NA	-561500	NA	NA	32
PCS 1006	1	90	NA	NA	NA	NA	NA	-111	31	NA	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	-3
PCS 1007	1	90	NA	NA	NA	NA	NA	-41	16	NA	20	NA	NA	-51	NA	NA	NA	NA	NA	NA	4
PCS 1008	1	90	NA	NA	NA	NA	NA	7	18	NA	22	NA	NA	-81	NA	NA	NA	-457200	NA	NA	-8
PCS 1009	1	90	-138	NA	NA	NA	NA	-22	20	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	13
PCS 1010	1	90	NA	NA	NA	NA	NA	10	19	NA	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	18
PCS 1011	1	90	NA	NA	NA	NA	-2117	-2	23	NA	25	NA	NA	NA	NA	-27482	NA	-358200	NA	NA	-9
PCS 1012	1	90	NA	NA	NA	NA	-1734	25	16	NA	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	-10
PCS 1013	1	90	NA	NA	NA	NA	NA	-1	17	NA	26	NA	NA	-158	NA	NA	NA	-433100	NA	NA	-12
PCS 1014	1	90	NA	NA	NA	NA	-1360	-9	9	NA	-2	-3819	NA	-39	NA	NA	NA	NA	NA	NA	-22
PCS 1015	1	90	-292	NA	NA	NA	-1420	-46	22	NA	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	19
PCS 1016	1	90	-170	NA	NA	NA	NA	-4	23	NA	19	NA	NA	-44	NA	NA	NA	-412250	NA	NA	19
PCS 1017	1	90	-271	NA	NA	NA	-2062	-37	21	NA	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	12
PCS 1018	1	90	NA	NA	NA	NA	NA	-47	20	NA	11	-3862	NA	NA	NA	NA	NA	-498250	NA	NA	23
PCS 1019	1	90	NA	NA	NA	NA	-1949	-49	31	NA	31	-5956	NA	-101	NA	NA	NA	NA	NA	NA	28
PCS 1020	1	90	NA	NA	NA	NA	NA	NA	30	NA	15	NA	NA	-98	NA	-16922	NA	-1249700	NA	NA	-25
PCS 1021	1	90	NA	NA	NA	NA	NA	-78	33	NA	18	NA	NA	-52	NA	-14958	NA	NA	NA	NA	4
PCS 1022	1	90	NA	NA	NA	NA	-3541	NA	14	NA	16	NA	NA	-101	-9879	NA	NA	NA	NA	NA	-2
PCS 1023	1	90	-20	NA	NA	NA	-2196	-33	26	NA	21	NA	NA	-60	NA	NA	NA	NA	NA	NA	19
PCS 1024	1	90	-159	NA	NA	NA	NA	NA	23	NA	22	NA	NA	-45	-9457	-15539	NA	-1289900	NA	NA	-20
PCS 1025	1	90	NA	NA	NA	NA	-1437	-21	24	NA	37	NA	NA	-47	NA	NA	NA	NA	NA	NA	25
PCS 1026	1	90	NA	NA	NA	NA	-1501	27	11	NA	18	NA	NA	-91	NA	-22569	NA	NA	NA	NA	-17
PCS 1027	1	90	-163	NA	NA	NA	NA	-46	16	NA	20	-2950	NA	-193	NA	-14012	NA	-654850	NA	NA	34
PCS 1028	1	90	NA	NA	NA	NA	-1523	-42	10	NA	9	NA	NA	-111	NA	NA	NA	-582900	NA	NA	-10
PCS 1029	1	90	-112	NA	NA	NA	NA	7	15	NA	22	NA	NA	-60	NA	-16068	NA	-423700	NA	NA	6
PCS 1030	1	90	-60	NA	NA	NA	-1534	5	28	NA	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	18
PCS 1031	1	90	-11	NA	NA	NA	-1248	7	24	NA	24	NA	NA	-29	NA	NA	NA	NA	NA	NA	1
PCS 1032	1	90	-35	NA	NA	NA	-1196	-16	19	NA	29	NA	NA	-12	NA	-9700	NA	NA	NA	NA	-4
PCS 1033	1	90	-52	NA	NA	NA	NA	26	25	NA	23	NA	NA	-82	NA	NA	NA	NA	NA	NA	22
PCS 1034	1	90	-27	NA	NA	NA	NA	-43	33	NA	-7	-3	NA	-52	NA	NA	NA	-9514	NA	NA	NA
PCS 1035	1	90	-20	NA	NA	NA	-3486	-41	40	NA	22	-3	NA	-39	NA	NA	NA	NA	NA	NA	NA
PCS 1036	1	90	-34	NA	NA	NA	-1296	-7	24	NA	3	NA	NA	-4	NA	NA	NA	-11852	NA	NA	11
PCS 1037	1	90	-17	NA	NA	NA	-7800	0	19	NA	-41	NA	NA	NA	NA	NA	-37	NA	NA	NA	-15
PCS 1038	1	90	-74	NA	NA	NA	NA	NA	24	NA	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	-67
PCS 1039	1	90	-26	NA	NA	NA	-3044	-16	22	NA	NA	-1085	NA	-100	NA	NA	NA	NA	NA	NA	-8
PCS 1040	1	90	-14	NA	NA	NA	-12353	-68	18	NA	NA	NA	NA	NA	NA	NA	-17	NA	NA	NA	NA
PCS 1041	1	90	-1	NA	NA	NA	-3590	1	18	NA	-57	NA	NA	-61	NA	NA	-11	-4081	NA	NA	-21
PCS 1042	1	90	-26	NA	NA	NA	NA	-106	24	NA	NA	-346	NA	NA	NA	-1983	NA	-10170	NA	NA	NA
PCS 1043	1	90	-4	NA	NA	NA	NA	-81	24	NA	NA	NA	NA	-53	NA	NA	NA	NA	NA	NA	NA
PCS 1044	1	90	-2	NA	NA	NA	NA	-182	21	NA	NA	-226	NA	-71	NA	-1471	NA	NA	NA	NA	NA

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1045	1	90	-15	NA	NA	NA	NA	-89	16	NA	-5	-183	NA	-4	-881	NA	-55	-3268	NA	NA	NA
PCS 1046	1	90	-4	NA	NA	NA	-10413	-117	23	NA	NA	NA	NA	-1	NA	NA	NA	NA	NA	NA	NA
PCS 1047	1	90	0	NA	-843	NA	NA	NA	31	NA	29	-366	NA	-32	NA	NA	NA	-6837	NA	NA	NA
PCS 1048	1	90	10	NA	NA	NA	NA	NA	25	NA	0	NA	NA	-58	NA	NA	NA	NA	NA	NA	NA
PCS 1049	1	90	-66	NA	NA	NA	NA	-4	15	NA	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	-8
PCS 1050	1	90	-5	NA	NA	NA	-7353	-7	17	NA	-141	-13	NA	NA	NA	NA	-20	NA	NA	NA	2
PCS 1051	1	90	2	NA	NA	NA	-3741	-34	27	NA	NA	NA	NA	-68	NA	NA	-12	NA	NA	NA	13
PCS 1052	1	90	-16	NA	NA	NA	-6200	-1	16	NA	NA	-59	NA	-20	NA	NA	-17	-5703	NA	NA	-54
PCS 1053	1	90	-21	NA	NA	NA	-1657	-87	24	NA	15	NA	NA	0	NA	NA	NA	-7527	NA	NA	8
PCS 1054	1	90	-27	NA	NA	NA	NA	NA	35	NA	28	-63	NA	0	NA	NA	-18	NA	NA	NA	-11
PCS 1055	1	90	7	NA	NA	NA	NA	NA	31	NA	NA	NA	NA	19	NA	NA	-10	NA	NA	NA	NA
PCS 1056	1	90	24	NA	-854	NA	NA	NA	38	NA	-62	-266	NA	-26	NA	NA	-42	NA	NA	NA	NA
PCS 1057	1	90	-133	NA	NA	NA	NA	-7	29	NA	23	-840	NA	NA	NA	NA	NA	NA	NA	NA	-6
PCS 1058	1	90	-96	NA	NA	NA	-1205	-45	16	NA	30	NA	NA	-120	NA	NA	NA	NA	NA	NA	3
PCS 1059	1	90	-5	NA	NA	NA	-2177	-25	30	NA	2	NA	NA	-123	NA	NA	NA	NA	NA	NA	-11
PCS 1060	1	90	-50	NA	NA	NA	-1430	-70	11	NA	6	NA	NA	-74	NA	NA	NA	NA	NA	NA	-21
PCS 1061	2	90	-33	NA	NA	NA	-1394	-56	18	NA	33	NA	NA	-38	NA	NA	NA	NA	NA	NA	-14
PCS 1062	1	90	-2	NA	NA	NA	-880	-31	18	NA	14	NA	NA	-26	NA	NA	NA	NA	NA	NA	0
PCS 1063	1	90	-12	NA	NA	NA	NA	-28	13	NA	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
PCS 1064	1	90	-13	NA	NA	NA	-1628	-23	21	NA	9	-555	NA	NA	-6242	NA	NA	NA	NA	NA	17
PCS 1065	1	90	-79	NA	NA	NA	-1150	-19	17	NA	13	NA	NA	NA	NA	-12492	NA	-23939	NA	NA	14
PCS 1066	1	90	1	NA	NA	NA	NA	-71	26	NA	27	NA	NA	-36	NA	NA	NA	NA	NA	NA	-4
PCS 1067	1	90	-21	NA	NA	NA	NA	NA	33	NA	19	NA	NA	-11	NA	NA	NA	NA	NA	NA	45
PCS 1068	1	90	NA	NA	NA	NA	NA	-66	28	NA	-1	NA	NA	-36	NA	NA	NA	NA	NA	NA	40
PCS 1069	1	90	-89	NA	NA	NA	NA	-50	26	NA	26	NA	NA	NA	NA	NA	NA	-315200	NA	NA	-6
PCS 1070	1	90	NA	NA	NA	NA	-4213	NA	29	NA	4	NA	NA	-50	NA	-9527	NA	NA	NA	NA	4
PCS 1071	1	90	-221	NA	NA	NA	NA	-79	32	NA	31	-5471	NA	NA	NA	NA	NA	-510500	NA	NA	3
PCS 1072	1	90	NA	NA	NA	NA	-1244	-61	21	NA	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	-3
PCS 1073	1	90	NA	NA	NA	NA	NA	-58	6	NA	8	NA	NA	-69	NA	NA	NA	NA	NA	NA	8
PCS 1074	1	90	NA	NA	NA	NA	NA	NA	22	NA	10	NA	NA	-143	NA	NA	NA	-567500	NA	NA	25
PCS 1075	1	90	NA	NA	NA	NA	NA	-166	19	NA	22	NA	NA	-8	NA	-17837	NA	-385000	NA	NA	27
PCS 1076	1	90	-82	NA	NA	NA	-1167	-37	22	NA	25	NA	NA	-63	NA	NA	NA	NA	NA	NA	6
PCS 1077	1	90	NA	NA	NA	NA	NA	-34	23	NA	25	NA	NA	8	NA	NA	NA	-598850	NA	NA	20
PCS 1078	1	90	NA	NA	NA	NA	NA	-21	22	NA	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	-12
PCS 1079	1	90	NA	NA	NA	NA	NA	-11	17	NA	20	NA	NA	NA	NA	NA	NA	-430450	NA	NA	34
PCS 1080	1	90	NA	NA	NA	NA	NA	-38	20	NA	21	NA	NA	-86	NA	NA	NA	-465300	NA	NA	9
PCS 1081	1	90	NA	NA	NA	NA	-1495	-28	5	NA	9	NA	NA	NA	NA	-41033	NA	-640900	NA	NA	-3
PCS 1082	1	90	NA	NA	NA	NA	-1000	-2	13	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	21
PCS 1083	1	90	-270	NA	NA	NA	NA	-18	13	NA	24	NA	NA	NA	NA	-17350	NA	-417300	NA	NA	19
PCS 1084	1	90	NA	NA	NA	NA	-2021	-7	-2	NA	-11	-1645	NA	-262	NA	-39589	NA	-252433	NA	NA	-1
PCS 1085	1	90	NA	NA	NA	NA	-1572	-27	13	NA	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	-4
PCS 1086	1	90	-181	NA	NA	NA	NA	NA	11	NA	8	NA	NA	NA	NA	-13347	NA	-597100	NA	NA	-35
PCS 1087	1	90	-239	NA	NA	NA	-2153	-16	2	NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	-4
PCS 1088	1	90	-254	NA	NA	NA	NA	-13	7	NA	9	NA	NA	-91	NA	NA	NA	-357467	NA	NA	-7

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1089	1	90	NA	NA	NA	NA	-1639	-77	9	NA	11	NA	NA	-73	NA	NA	NA	NA	NA	NA	-2
PCS 1090	1	90	NA	NA	NA	NA	NA	-56	14	NA	35	NA	NA	-96	NA	NA	NA	NA	NA	NA	1
PCS 1091	1	90	NA	NA	NA	NA	-1808	-86	21	NA	20	NA	NA	-84	NA	NA	NA	NA	NA	NA	-14
PCS 1092	1	90	-51	NA	NA	NA	-1850	11	21	NA	14	-1240	NA	NA	NA	NA	NA	NA	NA	NA	22
PCS 1093	1	90	-27	NA	NA	NA	NA	-24	22	NA	34	NA	NA	-36	NA	NA	NA	NA	NA	NA	12
PCS 1094	1	90	-83	NA	NA	NA	-1895	-54	17	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	6
PCS 1095	1	90	-365	NA	NA	NA	NA	-8	25	NA	11	NA	NA	-31	NA	NA	NA	-215200	NA	NA	-41
PCS 1096	1	90	NA	NA	NA	NA	-1359	-17	19	NA	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	5
PCS 1097	1	90	NA	NA	NA	NA	NA	-24	5	NA	5	-3140	NA	-104	NA	NA	NA	NA	NA	NA	-64
PCS 1098	1	90	NA	NA	NA	NA	-2176	-45	5	NA	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	-18
PCS 1099	1	90	NA	NA	NA	NA	NA	-27	17	NA	13	NA	NA	-165	NA	-25793	NA	-237300	NA	NA	-1
PCS 1100	1	90	NA	NA	NA	NA	NA	-28	20	NA	31	NA	NA	-264	NA	NA	NA	NA	NA	NA	-25
PCS 1101	1	90	NA	NA	NA	NA	NA	NA	30	NA	19	NA	NA	-75	NA	NA	NA	NA	NA	NA	5
PCS 1102	1	90	-214	NA	NA	NA	-1711	-44	9	NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	-28
PCS 1103	1	90	NA	NA	NA	NA	NA	13	13	NA	12	NA	NA	NA	NA	-19353	NA	-254400	NA	NA	20
PCS 1104	1	90	NA	NA	NA	NA	-1701	7	24	NA	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	4
PCS 1105	1	90	-163	NA	NA	NA	-1829	-3	15	NA	16	NA	NA	NA	NA	-18061	NA	-88625	NA	NA	9
PCS 1106	1	90	NA	NA	NA	NA	-1365	-19	22	NA	20	-2778	NA	NA	NA	-10351	NA	NA	NA	NA	10
PCS 1107	1	90	-174	NA	NA	NA	-1787	10	22	NA	26	NA	NA	NA	NA	NA	NA	-236600	NA	NA	29
PCS 1108	1	90	NA	NA	NA	NA	-1588	0	19	NA	13	-2995	NA	NA	NA	NA	NA	NA	NA	NA	29
PCS 1109	1	90	11	NA	NA	NA	-4786	-83	23	NA	12	-1232	NA	-53	NA	NA	NA	-43893	NA	NA	-19
PCS 1110	1	90	-47	NA	NA	NA	-1377	3	14	NA	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	8
PCS 1111	1	90	NA	NA	NA	NA	-1134	-5	24	NA	36	NA	NA	-34	NA	NA	NA	NA	NA	NA	1
PCS 1112	1	90	-52	NA	NA	NA	-2059	-99	22	NA	19	NA	NA	NA	NA	-1864	NA	-22279	NA	NA	NA
PCS 1113	1	90	-90	NA	NA	NA	NA	-4	14	NA	20	NA	NA	NA	NA	NA	NA	-48250	NA	NA	20
PCS 1114	1	90	-5	NA	NA	NA	-12436	-14	21	NA	NA	NA	NA	-116	NA	NA	NA	NA	NA	NA	4
PCS 1115	1	90	-7	NA	NA	NA	-3793	-10	13	NA	NA	-690	NA	-87	NA	-5068	NA	-6437	NA	NA	-54
PCS 1116	1	90	-33	NA	NA	NA	-1883	-61	11	NA	-28	NA	NA	NA	NA	NA	-47	NA	NA	NA	-32
PCS 1117	1	90	-16	NA	NA	NA	-1770	-114	26	NA	21	NA	NA	-58	NA	NA	NA	NA	NA	NA	NA
PCS 1118	1	90	NA	NA	NA	NA	NA	NA	32	NA	22	-2178	NA	-185	NA	NA	NA	-185975	NA	NA	NA
PCS 1119	1	90	-10	NA	NA	NA	-2444	-46	24	NA	38	-244	NA	-57	NA	NA	NA	-7874	NA	NA	-68
PCS 1120	1	90	NA	NA	NA	NA	-1258	NA	27	NA	30	NA	NA	-96	NA	NA	NA	NA	NA	NA	-11
PCS 1121	1	90	NA	NA	NA	NA	NA	NA	43	NA	51	NA	NA	NA	-5174	NA	NA	NA	NA	NA	NA
PCS 1122	1	90	NA	NA	NA	NA	NA	NA	42	NA	46	NA	NA	NA	NA	NA	NA	NA	NA	NA	-52
PCS 1123	1	90	NA	NA	NA	NA	NA	NA	44	NA	37	NA	NA	-177	NA	NA	NA	-275567	NA	NA	NA
PCS 1124	1	90	NA	NA	NA	NA	NA	NA	33	NA	21	NA	NA	-170	-5243	NA	NA	NA	NA	NA	NA
PCS 1125	1	90	-6	NA	NA	NA	NA	NA	30	NA	16	NA	NA	-8	NA	-1757	-1	NA	NA	NA	-14
PCS 1126	1	90	-40	NA	NA	NA	-3209	4	25	NA	NA	NA	NA	-90	NA	NA	NA	NA	NA	NA	15
PCS 1127	1	90	-3	NA	NA	NA	-28861	-113	-6	NA	NA	NA	NA	-55	NA	NA	NA	-18766	NA	NA	-93
PCS 1128	1	90	-10	NA	NA	NA	-43424	NA	-111	NA	NA	-449	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCS 1129	1	90	-18	NA	NA	NA	-18084	NA	24	NA	NA	NA	NA	-97	NA	-2077	NA	-4691	NA	NA	NA
PCS 1130	1	90	-20	NA	NA	NA	NA	NA	32	NA	9	NA	NA	-150	NA	NA	NA	NA	NA	NA	NA
PCS 1131	1	90	-6	NA	NA	NA	NA	-52	23	NA	18	-78	NA	-119	NA	NA	NA	NA	NA	NA	NA
PCS 1132	1	90	2	NA	NA	NA	-12221	-30	21	NA	NA	NA	NA	-109	NA	NA	NA	NA	NA	NA	-53

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1133	1	90	-21	NA	NA	NA	-3617	NA	16	NA	20	NA	NA	-47	NA	NA	-12	NA	NA	NA	NA
PCS 1135	1	90	-22	NA	NA	NA	-24792	NA	9	NA	NA	-587	NA	NA	-115	NA	-24	NA	NA	NA	-166
PCS 1136	1	90	-47	NA	NA	NA	NA	-41	26	NA	56	NA	NA	NA	NA	NA	NA	NA	NA	NA	46
PCS 1137	1	90	-81	NA	NA	NA	-1856	10	22	NA	22	NA	NA	-50	NA	NA	NA	-104217	NA	NA	16
PCS 1138	1	90	-17	NA	NA	NA	NA	-17	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-167
PCS 1139	1	90	-64	NA	NA	NA	NA	-171	40	NA	36	NA	NA	-44	NA	NA	NA	NA	NA	NA	-59
PCS 1141	1	90	-14	NA	NA	NA	NA	NA	33	NA	NA	-143	NA	-48	-177	NA	-49	NA	NA	NA	NA
PCS 1142	1	90	-19	NA	NA	NA	-5130	-10	28	NA	4	NA	NA	-47	NA	NA	NA	NA	NA	NA	-23
PCS 1143	1	90	-25	NA	NA	NA	NA	NA	26	NA	16	NA	NA	-32	NA	NA	NA	-11306	NA	NA	NA
PCS 1144	1	90	-53	NA	NA	NA	-1324	-48	1	NA	-1	NA	NA	NA	NA	-7241	NA	-264300	NA	NA	-10
PCS 1145	1	90	-33	NA	NA	NA	NA	-3	27	NA	4	NA	NA	NA	NA	NA	NA	-4957	NA	NA	13
PCS 1146	1	90	-49	NA	NA	NA	NA	NA	27	NA	26	NA	NA	-79	NA	NA	NA	NA	NA	NA	-3
PCS 1147	1	90	NA	NA	NA	NA	NA	-43	12	NA	32	NA	NA	NA	NA	NA	NA	NA	NA	NA	7
PCS 1148	1	90	NA	NA	NA	NA	NA	NA	27	NA	33	-1335	NA	-3	-5375	NA	NA	NA	NA	NA	8
PCS 1149	1	90	9	NA	-548	NA	-5414	NA	30	NA	14	-273	NA	-268	-406	NA	NA	NA	NA	NA	26
PCS 1150	1	90	NA	NA	NA	NA	NA	NA	21	NA	14	NA	NA	-141	NA	NA	NA	NA	NA	NA	-77
PCS 1151	1	90	NA	NA	NA	NA	NA	NA	36	NA	32	NA	NA	-122	-6586	NA	NA	NA	NA	NA	1
PCS 1152	1	90	NA	NA	NA	NA	NA	NA	28	NA	30	-1439	NA	NA	NA	NA	NA	-527000	NA	NA	-64
PCS 1153	1	90	NA	NA	NA	NA	NA	NA	34	NA	51	NA	NA	-128	-5209	NA	NA	-824600	NA	NA	-58
PCS 1154	1	90	NA	NA	NA	NA	NA	NA	36	NA	39	NA	NA	-187	NA	NA	NA	NA	NA	NA	-44
PCS 1155	1	90	NA	NA	NA	NA	NA	NA	36	NA	38	-1203	NA	-205	NA	NA	NA	NA	NA	NA	NA
PCS 1156	1	90	NA	NA	NA	NA	NA	NA	37	NA	16	NA	NA	NA	-5814	NA	NA	NA	NA	NA	NA
PCS 1157	1	90	NA	NA	NA	NA	NA	NA	24	NA	25	NA	NA	-77	-2228	NA	NA	NA	NA	NA	13
PCS 1158	1	90	-10	NA	NA	NA	-3291	-14	10	NA	-6	NA	NA	-35	-619	NA	-59	-7900	NA	NA	-1
PCS 1159	1	90	3	NA	NA	NA	NA	-56	-8	NA	-31	NA	NA	14	NA	NA	NA	NA	NA	NA	-14
PCS 1161	1	90	-47	NA	NA	NA	-2728	-16	11	NA	30	NA	NA	-33	NA	NA	NA	NA	NA	NA	-30
PCS 1162	1	90	2	NA	NA	NA	NA	-54	26	NA	21	NA	NA	-27	NA	NA	NA	NA	NA	NA	-30
PCS 1163	1	90	30	NA	NA	NA	NA	-66	13	NA	NA	-141	NA	-84	NA	NA	-54	-9311	NA	NA	-63
PCS 1164	1	90	-17	NA	NA	NA	NA	-59	19	NA	NA	NA	NA	-43	NA	-4506	NA	-14504	NA	NA	-28
PCS 1165	1	90	-15	NA	NA	NA	NA	-16	12	NA	NA	NA	NA	-67	NA	NA	NA	NA	NA	NA	-16
PCS 1166	1	90	-77	NA	NA	NA	-1178	-11	12	NA	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	-6
PCS 1167	1	90	-22	NA	NA	NA	-5243	-46	15	NA	NA	NA	NA	NA	NA	-4958	NA	-14454	NA	NA	-59
PCS 1168	1	90	-116	NA	NA	NA	NA	-8	15	NA	21	NA	NA	NA	NA	NA	NA	-119714	NA	NA	1
PCS 1169	1	90	-141	NA	NA	NA	NA	28	7	NA	26	NA	NA	NA	-7056	NA	NA	NA	NA	NA	-12
PCS 1170	1	90	NA	NA	NA	NA	NA	NA	11	NA	21	NA	NA	-140	-6135	NA	NA	-237050	NA	NA	0
PCS 1171	1	90	NA	NA	NA	NA	-1441	14	13	NA	15	NA	NA	-80	NA	NA	NA	NA	NA	NA	28
PCS 1172	1	90	NA	NA	NA	NA	NA	-2	11	NA	20	NA	NA	-122	NA	NA	NA	NA	NA	NA	-16
PCS 1173	1	90	-105	NA	NA	NA	NA	1	14	NA	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	-16
PCS 1174	1	90	-154	NA	NA	NA	-1652	-17	11	NA	-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	21
PCS 1175	1	90	NA	NA	NA	NA	NA	-5	23	NA	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	23
PCS 1176	1	90	NA	NA	NA	NA	NA	-11	25	NA	27	NA	NA	-70	-6562	NA	NA	-389450	NA	NA	12
PCS 1177	1	90	NA	NA	NA	NA	NA	-36	14	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	26
PCS 1178	1	90	NA	NA	NA	NA	NA	2	12	NA	16	NA	NA	-64	NA	NA	NA	NA	NA	NA	0
PCS 1179	1	90	NA	NA	NA	NA	-1241	-34	17	NA	20	-1904	NA	-113	NA	NA	NA	NA	NA	NA	5

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1180	1	90	NA	NA	NA	NA	NA	NA	13	NA	19	NA	NA	NA	NA	-32456	NA	-405800	NA	NA	-24
PCS 1181	1	90	NA	NA	NA	NA	NA	-27	8	NA	15	NA	NA	NA	NA	NA	NA	-459700	NA	NA	14
PCS 1182	1	90	NA	NA	NA	NA	NA	12	13	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	5
PCS 1183	1	90	NA	NA	NA	NA	-1336	-13	13	NA	-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	17
PCS 1184	1	90	NA	NA	NA	NA	NA	-12	6	NA	6	NA	NA	-303	NA	NA	NA	NA	NA	NA	-5
PCS 1185	1	90	NA	NA	NA	NA	-1483	-4	7	NA	3	NA	NA	NA	NA	-42188	NA	-462400	NA	NA	7
PCS 1186	1	90	NA	NA	NA	NA	NA	-32	-1	NA	-1	NA	NA	NA	NA	-20050	NA	-433300	NA	NA	5
PCS 1187	1	90	NA	NA	NA	NA	-1271	33	26	NA	24	NA	NA	NA	NA	NA	NA	-261367	NA	NA	14
PCS 1188	1	90	NA	NA	NA	NA	-2083	NA	12	NA	31	NA	NA	-82	NA	NA	NA	-264475	NA	NA	9
PCS 1189	1	90	NA	NA	NA	NA	NA	7	6	NA	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	39
PCS 1190	1	90	-50	NA	NA	NA	NA	12	4	NA	23	NA	NA	-127	NA	-10300	NA	-530150	NA	NA	-2
PCS 1191	1	90	-85	NA	NA	NA	NA	-12	17	NA	1	NA	NA	-55	NA	NA	NA	NA	NA	NA	-17
PCS 1192	1	90	-54	NA	NA	NA	-1308	-9	20	NA	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	26
PCS 1193	1	90	-41	NA	NA	NA	NA	-7	14	NA	26	NA	NA	NA	NA	-10964	NA	-29389	NA	NA	-12
PCS 1194	1	90	-38	NA	NA	NA	-1210	29	18	NA	15	NA	NA	NA	NA	-18286	NA	-28368	NA	NA	9
PCS 1195	1	90	NA	NA	NA	NA	NA	NA	30	NA	46	-2273	NA	NA	-7648	NA	NA	NA	NA	NA	-13
PCS 1196	1	90	NA	NA	NA	NA	NA	-23	16	NA	25	NA	NA	NA	NA	NA	NA	-1015900	NA	NA	26
PCS 1197	1	90	NA	NA	NA	NA	NA	-23	21	NA	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
PCS 1198	1	90	NA	NA	NA	NA	NA	-136	15	NA	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	-5
PCS 1199	1	90	NA	NA	NA	NA	NA	NA	6	NA	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	-3
PCS 1200	1	90	NA	NA	NA	NA	NA	NA	23	NA	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	5
PCS 1201	1	90	NA	NA	NA	NA	NA	-130	14	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	-1
PCS 1202	1	90	NA	NA	NA	NA	NA	NA	2	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	-19
PCS 1203	1	90	-8	NA	NA	NA	NA	-2	17	NA	-5	-518	NA	NA	NA	NA	NA	NA	NA	NA	4
PCS 1204	1	90	-40	NA	NA	NA	NA	-11	15	NA	27	NA	NA	-49	NA	NA	NA	-21278	NA	NA	5
PCS 1205	1	90	-30	NA	NA	NA	-1739	17	15	NA	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	9
PCS 1206	1	90	-77	NA	NA	NA	NA	-14	20	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	36
PCS 1207	1	90	-79	NA	NA	NA	-1188	3	17	NA	12	NA	NA	NA	NA	-15819	NA	-775800	NA	NA	26
PCS 1208	1	90	-50	NA	NA	NA	NA	NA	13	NA	21	NA	NA	-38	NA	NA	NA	NA	NA	NA	12
PCS 1209	1	90	-14	NA	NA	NA	NA	-22	20	NA	18	NA	NA	-64	NA	-3800	NA	-32629	NA	NA	12
PCS 1210	1	90	-90	NA	NA	NA	NA	-36	24	NA	28	-277	NA	NA	NA	-14700	NA	-134650	NA	NA	20
PCS 1211	1	90	-101	NA	NA	NA	-1719	-62	21	NA	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	-5
PCS 1212	1	90	-33	NA	NA	NA	NA	NA	28	NA	37	NA	NA	-27	NA	NA	NA	NA	NA	NA	10
PCS 1213	1	90	-49	NA	NA	NA	NA	-33	16	NA	18	-913	NA	-32	NA	NA	NA	NA	NA	NA	11
PCS 1214	1	90	-101	NA	NA	NA	-1866	-32	18	NA	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	29
PCS 1215	1	90	-28	NA	NA	NA	NA	-59	19	NA	23	NA	NA	-32	NA	NA	NA	NA	NA	NA	5
PCS 1216	1	90	-94	NA	NA	NA	NA	-31	22	NA	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	8
PCS 1217	1	90	-125	NA	NA	NA	-1525	NA	16	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	23
PCS 1218	1	90	-172	NA	NA	NA	-1773	-9	22	NA	27	NA	NA	NA	NA	NA	NA	-574800	NA	NA	20
PCS 1219	1	90	-41	NA	NA	NA	NA	-7	21	NA	24	NA	NA	-176	NA	NA	NA	NA	NA	NA	5
PCS 1220	1	90	-1	NA	NA	NA	NA	NA	29	NA	34	NA	NA	11	NA	-5167	NA	-378650	NA	NA	5
PCS 1221	1	90	-19	NA	NA	NA	NA	-3	28	NA	28	-1192	NA	NA	NA	-10885	NA	-654350	NA	NA	36
PCS 1222	1	90	-38	NA	NA	NA	-1606	-30	23	NA	19	NA	NA	NA	NA	NA	NA	-475900	NA	NA	34
PCS 1223	1	90	-58	NA	NA	NA	-1300	-15	24	NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	38

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1224	1	90	1	NA	NA	NA	-1486	11	23	NA	27	-712	NA	-112	NA	NA	NA	NA	NA	NA	33
PCS 1225	1	90	-13	NA	NA	NA	-1344	NA	19	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	25
PCS 1226	1	90	NA	NA	NA	NA	NA	-18	25	NA	21	NA	NA	-85	NA	NA	NA	NA	NA	NA	21
PCS 1227	1	90	-42	NA	NA	NA	NA	-55	19	NA	12	-1900	NA	-26	NA	NA	NA	-323833	NA	NA	16
PCS 1228	1	90	-85	NA	NA	NA	NA	-39	15	NA	16	NA	NA	-91	NA	NA	NA	NA	NA	NA	17
PCS 1229	1	90	-56	NA	NA	NA	-1564	-7	14	NA	20	-1882	NA	NA	NA	NA	NA	NA	NA	NA	25
PCS 1230	1	90	NA	NA	NA	NA	NA	-30	20	NA	18	NA	NA	-59	NA	NA	NA	NA	NA	NA	10
PCS 1231	1	90	-40	NA	NA	NA	NA	-2	19	NA	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	21
PCS 1232	1	90	-63	NA	NA	NA	NA	-25	7	NA	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	-11
PCS 1233	1	90	-10	NA	NA	NA	-1716	-5	2	NA	19	NA	NA	-123	-5854	NA	NA	-229600	NA	NA	-11
PCS 1234	1	90	-198	NA	NA	NA	-1569	-22	9	NA	22	NA	NA	NA	NA	NA	NA	-623800	NA	NA	37
PCS 1235	1	90	NA	NA	NA	NA	-1356	0	11	NA	6	NA	NA	-142	NA	NA	NA	NA	NA	NA	19
PCS 1236	1	90	-169	NA	NA	NA	-1387	-20	5	NA	-10	NA	NA	-129	NA	NA	NA	NA	NA	NA	24
PCS 1237	1	90	-29	NA	NA	NA	-1846	-9	3	NA	19	NA	NA	-77	NA	NA	NA	NA	NA	NA	32
PCS 1238	1	90	NA	NA	NA	NA	NA	10	8	NA	1	NA	NA	-98	-6800	NA	NA	NA	NA	NA	9
PCS 1239	1	90	-210	NA	NA	NA	NA	22	10	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	30
PCS 1240	1	90	NA	NA	NA	NA	NA	-20	15	NA	19	NA	NA	-189	NA	NA	NA	NA	NA	NA	27
PCS 1241	1	90	NA	NA	NA	NA	-1609	-31	13	NA	12	NA	NA	-90	NA	NA	NA	NA	NA	NA	-31
PCS 1242	1	90	-52	NA	NA	NA	NA	4	12	NA	-2	NA	NA	-29	NA	NA	NA	NA	NA	NA	NA
PCS 1243	1	90	-27	NA	NA	NA	-9704	-2	1	NA	2	NA	NA	-35	NA	NA	-22	-6654	NA	NA	-10
PCS 1244	1	90	-44	NA	NA	NA	-3990	-11	17	NA	-1	-438	NA	-81	NA	NA	-23	NA	NA	NA	-16
PCS 1245	1	90	7	NA	NA	NA	-4629	18	24	NA	12	NA	NA	-49	NA	-14850	NA	NA	NA	NA	20
PCS 1246	1	90	4	NA	NA	NA	-6796	NA	37	NA	NA	-87	NA	20	NA	NA	21	-22943	NA	NA	NA
PCS 1247	1	90	-37	NA	NA	NA	NA	-12	27	NA	NA	NA	NA	NA	NA	NA	25	-14420	NA	NA	NA
PCS 1248	1	90	-14	NA	-1083	NA	NA	-44	21	NA	16	-154	NA	-23	NA	-7227	-157	-25892	NA	NA	-48
PCS 1249	1	90	-14	NA	NA	NA	-5194	NA	29	NA	25	-54	NA	-60	NA	-8002	NA	-25885	NA	NA	NA
PCS 1250	1	90	-24	NA	NA	NA	-9369	-120	17	NA	12	-3	NA	11	NA	NA	NA	NA	NA	NA	-16
PCS 1251	1	90	-17	NA	NA	NA	-9768	-91	17	NA	8	32	NA	-6	NA	-18853	-11	NA	NA	NA	-56
PCS 1252	1	90	NA	NA	NA	NA	NA	-12	11	NA	7	-183	NA	-14	NA	NA	NA	NA	NA	NA	-4
PCS 1253	1	90	-32	NA	NA	NA	-10970	-27	25	NA	NA	-29	NA	-2	NA	NA	-58	-23470	NA	NA	-14
PCS 1254	1	90	-14	NA	NA	NA	-2788	-51	14	NA	25	NA	NA	-53	NA	NA	NA	NA	NA	NA	21
PCS 1255	1	90	9	NA	NA	NA	NA	-118	18	NA	35	-59	NA	-29	NA	NA	NA	-8860	NA	NA	-4
PCS 1256	1	90	-15	NA	NA	NA	-1369	-61	19	NA	10	-91	NA	-46	NA	NA	NA	-10236	NA	NA	-15
PCS 1257	1	90	-23	NA	NA	NA	-2564	-45	16	NA	7	-103	NA	1	NA	NA	NA	NA	NA	NA	-40
PCS 1258	1	90	-114	NA	NA	NA	-1483	-51	15	NA	18	NA	NA	11	NA	NA	NA	NA	NA	NA	-28
PCS 1259	1	90	-15	NA	NA	NA	-15244	-62	6	NA	-39	20	NA	1	NA	-2799	-51	-6501	NA	NA	-24
PCS 1260	1	90	-31	NA	NA	NA	-1108	15	12	NA	13	NA	NA	-25	NA	NA	NA	-8351	NA	NA	16
PCS 1261	1	90	-45	NA	NA	NA	-1690	-1	-1	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	11
PCS 1262	1	90	-42	NA	NA	NA	NA	3	10	NA	23	NA	NA	-25	NA	NA	NA	NA	NA	NA	6
PCS 1263	1	90	-7	NA	NA	NA	NA	4	13	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	21
PCS 1264	1	90	-2	NA	NA	NA	-1936	0	14	NA	12	NA	NA	-88	NA	NA	NA	NA	NA	NA	4
PCS 1265	1	90	-24	NA	NA	NA	NA	NA	13	NA	-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	-48
PCS 1266	1	90	-13	NA	NA	NA	-1861	-25	18	NA	0	-680	NA	-41	NA	NA	NA	-126929	NA	NA	39
PCS 1267	1	90	-15	NA	NA	NA	-2690	-6	9	NA	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	23

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																		
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1268	1	90	-34	NA	NA	NA	NA	-13	13	NA	18	NA	NA	4	NA	NA	NA	NA	NA	NA	27
PCS 1269	1	90	-44	NA	NA	NA	NA	-18	10	NA	9	-1043	NA	-48	NA	NA	NA	NA	NA	NA	-9
PCS 1270	1	90	-45	NA	NA	NA	NA	-37	2	NA	10	-1200	NA	-17	-5282	NA	NA	NA	NA	NA	11
PCS 1271	1	90	-21	NA	NA	NA	NA	0	13	NA	13	NA	NA	-114	NA	NA	NA	NA	NA	NA	-17
PCS 1272	1	90	-24	NA	NA	NA	NA	-78	11	NA	11	NA	NA	-36	NA	NA	NA	-37235	NA	NA	-33
PCS 1273	1	90	-54	NA	NA	NA	NA	NA	10	NA	19	NA	NA	-69	NA	NA	NA	-440100	NA	NA	-5
PCS 1274	1	90	-45	NA	NA	NA	NA	25	7	NA	9	NA	NA	-100	NA	NA	NA	NA	NA	NA	-6
PCS 1275	1	90	-102	NA	NA	NA	NA	-21	20	NA	38	NA	NA	NA	NA	NA	NA	-503050	NA	NA	-5
PCS 1276	1	90	-56	NA	NA	NA	NA	-42	15	NA	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	18
PCS 1277	1	90	-29	NA	NA	NA	-1380	-21	8	NA	6	NA	NA	NA	NA	-5100	NA	-442900	NA	NA	10
PCS 1278	1	90	-42	NA	NA	NA	NA	4	16	NA	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	14
PCS 1279	1	90	-69	NA	NA	NA	-1291	35	10	NA	27	NA	NA	NA	NA	NA	NA	-444100	NA	NA	11
PCS 1280	1	90	-37	NA	NA	NA	NA	-2	7	NA	21	NA	NA	-126	NA	NA	NA	-630250	NA	NA	15
PCS 1281	1	90	-20	NA	NA	NA	-1590	-26	14	NA	37	NA	NA	-44	NA	NA	NA	NA	NA	NA	0
PCS 1282	1	90	-71	NA	NA	NA	-1447	-5	15	NA	8	NA	NA	-22	NA	NA	NA	NA	NA	NA	-21
PCS 1283	1	90	-35	NA	NA	NA	-1853	9	10	NA	16	NA	NA	-26	NA	NA	NA	NA	NA	NA	2
PCS 1284	1	90	-53	NA	NA	NA	NA	-38	14	NA	26	NA	NA	-60	NA	NA	NA	-91750	NA	NA	-39
PCS 1285	1	90	-32	NA	NA	NA	NA	-49	14	NA	20	NA	NA	NA	NA	NA	NA	-1218800	NA	NA	21
PCS 1286	1	90	NA	NA	NA	NA	NA	-120	11	NA	14	NA	NA	-44	NA	NA	NA	NA	NA	NA	22
PCS 1287	1	90	-93	NA	NA	NA	NA	NA	13	NA	25	NA	NA	-4	NA	NA	NA	NA	NA	NA	-9
PCS 1288	1	90	-94	NA	NA	NA	-1912	-3	6	NA	31	NA	NA	-75	NA	-17781	NA	-282467	NA	NA	-2
PCS 1289	1	90	-82	NA	NA	NA	-1726	-38	8	NA	22	NA	NA	-74	NA	NA	NA	-426300	NA	NA	8
PCS 1290	1	90	-63	NA	NA	NA	NA	-39	2	NA	18	NA	NA	NA	NA	-12104	NA	-508200	NA	NA	3
PCS 1291	1	90	-163	NA	NA	NA	-1808	-34	5	NA	12	NA	NA	-114	NA	-18838	NA	-999000	NA	NA	41
PCS 1292	1	90	NA	NA	NA	NA	-1853	-23	13	NA	-3	NA	NA	-42	NA	NA	NA	NA	NA	NA	-1
PCS 1293	1	90	-39	NA	NA	NA	NA	-7	17	NA	22	NA	NA	-71	NA	NA	NA	-467100	NA	NA	11
PCS 1294	1	90	-150	NA	NA	NA	NA	23	11	NA	25	-2492	NA	-44	NA	NA	NA	NA	NA	NA	23
PCS 1295	1	90	-58	NA	NA	NA	NA	11	6	NA	18	-569	NA	-73	NA	NA	NA	NA	NA	NA	19
PCS 1296	1	90	-140	NA	NA	NA	NA	NA	11	NA	14	NA	NA	-75	NA	NA	NA	-313333	NA	NA	5
PCS 1297	1	90	-37	NA	NA	NA	-1309	6	17	NA	13	NA	NA	NA	NA	-7997	NA	-1203300	NA	NA	5
PCS 1298	1	90	-43	NA	NA	NA	-1688	-50	17	NA	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
PCS 1299	1	90	-141	NA	NA	NA	NA	-28	9	NA	13	NA	NA	NA	NA	-7889	NA	-373800	NA	NA	6
PCS 1300	1	90	-67	NA	NA	NA	-1350	-1	10	NA	32	NA	NA	NA	NA	NA	NA	NA	NA	NA	34
PCS 1301	1	90	-36	NA	NA	NA	-1839	3	14	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	20
PCS 1302	1	90	-56	NA	NA	NA	-2011	-18	5	NA	10	NA	NA	NA	NA	NA	NA	-8787	NA	NA	-8
PCS 1303	1	90	-152	NA	NA	NA	NA	-15	-1	NA	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	7
PCS 1304	1	90	-108	NA	NA	NA	NA	16	9	NA	14	NA	NA	-110	NA	NA	NA	NA	NA	NA	23
PCS 1305	1	90	18	NA	NA	NA	NA	32	15	NA	20	NA	NA	-53	NA	NA	-2	NA	NA	NA	6
PCS 1306	1	90	-33	NA	NA	NA	NA	-53	28	NA	33	-607	NA	NA	NA	NA	NA	NA	NA	NA	34
PCS 1307	1	90	NA	NA	NA	NA	NA	NA	21	NA	27	NA	NA	NA	NA	-28710	NA	-723600	NA	NA	-62
PCS 1308	1	90	NA	NA	NA	NA	NA	NA	22	NA	21	NA	NA	-21	NA	NA	NA	NA	NA	NA	-30
PCS 1309	1	90	NA	NA	NA	NA	NA	-70	28	NA	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	9
PCS 1310	1	90	NA	NA	NA	NA	NA	NA	33	NA	35	NA	NA	NA	NA	NA	NA	-231367	NA	NA	NA
PCS 1311	1	90	-242	NA	NA	NA	-1775	-7	3	NA	9	NA	NA	NA	NA	NA	NA	-548150	NA	NA	4

Sample Number	Number of readings	Average Duration	Difference (as % of assay value)																	
			As	Ba	Bi	Ca	Co	Cu	Fe	Hg	Mn	Mo	Ni	Pb	S	Sb	Se	Te	U	W	Zn
PCS 1312	1	90	NA	NA	NA	NA	NA	4	9	NA	22	NA	NA	-182	NA	NA	NA	-546300	NA	NA	23
PCS 1313	1	90	-122	NA	NA	NA	NA	-17	11	NA	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	-20
PCS 1314	1	90	NA	NA	NA	NA	NA	-17	13	NA	1	NA	NA	NA	NA	-33300	NA	-384200	NA	NA	50
PCS 1315	1	90	-224	NA	NA	NA	NA	-69	7	NA	2	NA	NA	-134	NA	NA	NA	-150140	NA	NA	-13
PCS 1316	1	90	NA	NA	NA	NA	-2318	-83	9	NA	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	-8
PCS 1317	1	90	NA	NA	NA	NA	-2100	-24	2	NA	8	NA	NA	-176	NA	NA	NA	NA	NA	NA	-45
PCS 1318	1	90	-276	NA	NA	NA	NA	-71	11	NA	23	NA	NA	-41	NA	NA	NA	-241850	NA	NA	-29
PCS 1319	1	90	NA	NA	NA	NA	NA	5	4	NA	20	NA	NA	-62	NA	NA	NA	NA	NA	NA	19
PCS 1320	1	90	NA	NA	NA	NA	NA	-54	2	NA	7	NA	NA	-111	NA	NA	NA	NA	NA	NA	23
PCS 1321	1	90	NA	NA	NA	NA	-3337	-9	10	NA	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	-10

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCS 1001	1	90	0	465.94	0	17829.7	465.24	65.7	39709.2	0	686.95	0	0	0	0	32.19	0	122.08	0	0	52.1
PCS 1002	1	90	14.21	347.14	0	14136.1	0	70.93	39539.7	0	734.58	0	0	0	0	0	0	81.52	0	0	66.06
PCS 1003	1	90	0	506.05	0	2098.34	336.82	86.17	33590.1	0	675.64	11.71	0	24.82	0	0	0	0	0	0	52.06
PCS 1004	1	90	0	415.05	0	2805.99	307	62.04	35745	0	657.57	0	0	18.85	0	0	0	90.49	0	0	44.09
PCS 1005	1	90	0	433.77	0	17301.4	408.18	103.29	42891.2	0	865.3	0	0	17.19	0	34.41	0	112.32	0	0	49.63
PCS 1006	1	90	0	583.5	0	7922.53	0	65.56	29029.6	0	628.08	0	0	0	0	0	0	0	0	0	67.79
PCS 1007	1	90	0	435.02	0	16908.5	0	84.84	48149.6	0	971.77	0	0	15.06	0	0	0	0	0	0	73.57
PCS 1008	1	90	0	340.88	0	3134.95	0	65.33	51891.9	0	798.65	0	0	18.05	0	0	0	91.46	0	0	82.34
PCS 1009	1	90	12.39	382.34	0	10022.4	0	73.19	41331	0	845.71	0	0	0	0	0	0	0	0	0	71.65
PCS 1010	1	90	0	361.47	0	12322.6	0	81.01	46931	0	751.46	0	0	0	0	0	0	0	0	0	60.14
PCS 1011	1	90	0	366.58	0	11116.5	576.47	92.48	44359.7	0	668.76	0	0	0	0	30.34	0	107.49	0	0	76.38
PCS 1012	1	90	0	331.25	0	3617.78	506.2	69.68	54182.3	0	811.05	0	0	0	0	0	0	0	0	0	69.34
PCS 1013	1	90	0	459.11	0	8932.82	0	79.68	42804.9	0	660.51	0	0	28.33	0	0	0	86.64	0	0	61.86
PCS 1014	1	90	0	464.78	0	9437.1	303.75	66.72	38776.3	0	661.07	12.54	0	16.71	0	0	0	0	0	0	57.57
PCS 1015	1	90	22.36	434.31	0	8044.57	334.33	90.57	34654.3	0	817.57	0	0	0	0	0	0	0	0	0	38
PCS 1016	1	90	15.12	586.07	0	10537.2	0	56.03	29874.7	0	543.47	0	0	17.29	0	0	0	82.47	0	0	43.17
PCS 1017	1	90	13.37	444.99	0	1710.55	278.87	48.11	28891.5	0	452.17	0	0	0	0	0	0	0	0	0	57.09
PCS 1018	1	90	0	457.53	0	1426.06	0	77.96	36440.6	0	757.75	10.3	0	0	0	0	0	99.67	0	0	63.02
PCS 1019	1	90	0	566.76	0	5864.08	284.76	50.56	22159.5	0	390.82	9.69	0	32.16	0	0	0	0	0	0	33.72
PCS 1020	1	90	0	381.9	0	2182.22	0	0	20073.2	0	256.77	0	0	31.61	0	39.15	0	124.98	0	0	46.24
PCS 1021	1	90	0	544.57	0	924.93	0	53.45	21207.6	0	671.64	0	0	19.76	0	28.61	0	0	0	0	72.36
PCS 1022	1	90	0	621.16	0	8274.89	262.13	0	19362.5	0	427.39	0	0	28.17	19958.8	0	0	0	0	0	50.96
PCS 1023	1	90	108.11	391.58	0	1980.32	344.41	106.26	31594.8	0	516.38	0	0	17.55	0	0	0	0	0	0	45.27
PCS 1024	1	90	21.77	473.96	0	12552.9	0	0	30496.9	0	614.74	0	0	14.52	19114.9	35.97	0	129	0	0	69.41
PCS 1025	1	90	0	445.4	0	11149.6	285.81	80.89	36096	0	640.36	0	0	16.18	0	0	0	0	0	0	61.63
PCS 1026	1	90	0	467.29	0	3728.65	398.53	52.91	45933.2	0	1069.51	0	0	15.31	0	36.27	0	0	0	0	98.57
PCS 1027	1	90	17.89	519.44	0	12764.5	0	81.99	39265.4	0	794.57	10.98	0	26.33	0	36.69	0	130.99	0	0	44.73
PCS 1028	1	90	0	435.37	0	12645	376.63	94.88	42876.7	0	714.55	0	0	21.05	0	0	0	116.6	0	0	64.94
PCS 1029	1	90	18.03	433.99	0	2722.89	0	58.58	42691.7	0	768.22	0	0	15.96	0	35.57	0	84.76	0	0	56.68
PCS 1030	1	90	32.65	356.06	0	11688.7	362.8	82.05	43699.4	0	503.44	0	0	0	0	0	0	0	0	0	38.4
PCS 1031	1	90	25.29	356.19	0	1077.86	366.74	65.01	52257.3	0	636.31	0	0	20.66	0	0	0	0	0	0	42.5
PCS 1032	1	90	33.15	329.24	0	1541.99	372.07	105.52	46006.6	0	663.59	0	0	15.67	0	28.42	0	0	0	0	53.01
PCS 1033	1	90	31.11	368.02	0	6444.1	0	55.8	38645.9	0	688.59	0	0	16.37	0	0	0	0	0	0	57.97
PCS 1034	1	90	33.57	245.5	0	3261.96	0	57.18	28611.5	0	196.39	31.22	0	50.3	0	0	0	87.49	0	0	0
PCS 1035	1	90	34.99	195.08	0	1015.01	261.76	49.5	22406	0	182.49	20.92	0	34.8	0	0	0	0	0	0	0
PCS 1036	1	90	33.1	269.62	0	813.47	404.73	91.63	44498.6	0	613.04	0	0	14.59	0	0	0	84.86	0	0	41.01
PCS 1037	1	90	34.35	208.31	0	2930.79	521.39	65.24	47599.7	0	411.77	0	0	0	0	0	9.46	0	0	0	28.71
PCS 1038	1	90	43.21	281.81	0	3737.77	0	0	39905	0	362.48	0	0	0	0	0	0	0	0	0	43.48
PCS 1039	1	90	30.52	201.21	0	665.72	361.55	101.88	45910.9	0	0	9.95	0	16	0	0	0	0	0	0	27.08
PCS 1040	1	90	48.89	314.33	0	652.56	535.48	107.72	59394.5	0	0	0	0	0	0	0	9.96	0	0	0	0
PCS 1041	1	90	38.9	323.63	0	1937.8	398.53	66.39	53807.5	0	216.38	0	0	20.92	0	0	7.76	78.19	0	0	36.44
PCS 1042	1	90	45.65	333.68	0	2023.02	0	47.37	52691.9	0	0	9.77	0	0	0	45	0	100.65	0	0	0
PCS 1043	1	90	63.98	311.43	0	1957.96	0	47.15	55939.6	0	0	0	0	18.36	0	0	0	0	0	0	0
PCS 1044	1	90	85.87	365.98	0	212.55	0	45.07	57802.1	0	0	10.3	0	27.28	0	36.61	0	0	0	0	0

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCS 1045	1	90	112.72	402.07	0	540.26	0	51.02	64851.2	0	282.33	12.42	0	22.9	15703.8	0	10.38	100.36	0	0	0
PCS 1046	1	90	95.21	508.19	0	1799.49	504.61	56.39	69837.6	0	0	0	0	27.32	0	0	0	0	0	0	0
PCS 1047	1	90	51.68	243.09	66.67	579.2	0	0	30554.7	0	174.9	13.9	0	27.78	0	0	0	87.4	0	0	0
PCS 1048	1	90	56.94	263.97	0	2894.38	0	0	48150.9	0	191.69	0	0	23.72	0	0	0	0	0	0	0
PCS 1049	1	90	31.62	246.74	0	1527.24	0	126.47	62959.9	0	963.1	0	0	0	0	0	0	0	0	0	103.3
PCS 1050	1	90	67.78	329.97	0	2205.19	476.97	122.22	57793.8	0	231.31	21.23	0	0	0	0	24.71	0	0	0	54.69
PCS 1051	1	90	42.97	386.79	0	2871.32	349.49	89.92	46215.1	0	0	0	0	31.9	0	0	16.18	0	0	0	33.24
PCS 1052	1	90	90.5	288.4	0	1373.34	434.72	86.62	73910.4	0	0	18.17	0	40.77	0	0	29.8	84.72	0	0	26.1
PCS 1053	1	90	56.22	340.03	0	619.35	465.65	84.01	48807.7	0	658.26	0	0	34.92	0	0	0	73.22	0	0	28.37
PCS 1054	1	90	45.06	201.64	0	3344.12	0	0	32559	0	251.76	12.31	0	46.16	0	0	8.14	0	0	0	31.05
PCS 1055	1	90	84.59	328.63	0	1863.17	0	0	35054.9	0	0	0	0	20.19	0	0	17.97	0	0	0	0
PCS 1056	1	90	29.32	268.89	65.93	2983.43	0	0	20598.7	0	131.06	11.03	0	32.63	0	0	9.95	0	0	0	0
PCS 1057	1	90	29.78	224.28	0	1201.28	0	98.49	37752.7	0	680.12	9.49	0	0	0	0	0	0	0	0	52.75
PCS 1058	1	90	13.35	347.22	0	7527.96	339.17	116.34	38130.4	0	787.31	0	0	17.61	0	0	0	0	0	0	63.7
PCS 1059	1	90	21.17	344.28	0	3093.01	273.28	47.36	33462.6	0	426.6	0	0	20.08	0	0	0	0	0	0	48.92
PCS 1060	1	90	22.03	282.44	0	14583.9	312.06	57.85	37941.9	0	472.98	0	0	20.9	0	0	0	0	0	0	33.98
PCS 1061	2	90	26.65	245.4	0	6980.16	410.54	72.85	37807.6	0	350.61	0	0	22.39	0	0	0	0	0	0	37.41
PCS 1062	1	90	14.62	261.9	0	6804.69	309.56	61.53	35951.8	0	745.83	0	0	16.44	0	0	0	0	0	0	36
PCS 1063	1	90	27.21	303.29	0	2264.55	0	77.78	44577.9	0	378.36	0	0	0	0	0	0	0	0	0	27.76
PCS 1064	1	90	29.51	359.27	0	5265.2	345.5	102.4	46740.2	0	648.63	9.89	0	0	31708.5	0	0	0	0	0	39.77
PCS 1065	1	90	37.03	301.68	0	5515.62	315.1	90.33	44360.1	0	758.63	0	0	0	0	31.48	0	79.33	0	0	43.87
PCS 1066	1	90	42.9	394.92	0	1196.07	0	92.19	30932.6	0	417.56	0	0	17.68	0	0	0	0	0	0	45.84
PCS 1067	1	90	23.86	509.86	0	932.82	0	0	18966.3	0	331.09	0	0	16.64	0	0	0	0	0	0	23.82
PCS 1068	1	90	0	614.04	0	4234.33	0	48.22	29151.5	0	445.71	0	0	17.7	0	0	0	0	0	0	26.33
PCS 1069	1	90	15.7	568.22	0	5705.18	0	63.12	28139.7	0	511.66	0	0	0	0	0	0	94.59	0	0	57.41
PCS 1070	1	90	0	505.59	0	4317.25	284.63	0	26882.9	0	359.65	0	0	20.96	0	31.77	0	0	0	0	23.95
PCS 1071	1	90	13.5	486.21	0	1056.31	0	46.52	21620.1	0	449.52	11.7	0	0	0	0	0	102.12	0	0	49.33
PCS 1072	1	90	0	263	0	14158	345.32	87.13	46635.9	0	690.5	0	0	0	0	0	0	0	0	0	70.08
PCS 1073	1	90	0	432.13	0	2820.66	0	93.13	35901.4	0	588.92	0	0	13.48	0	0	0	0	0	0	46.72
PCS 1074	1	90	0	572	0	1680.93	0	0	20553.7	0	406.6	0	0	21.84	0	0	0	113.52	0	0	41.92
PCS 1075	1	90	0	586.36	0	1333.24	0	71.74	24096.4	0	402.33	0	0	15.11	0	34.08	0	77.02	0	0	34.44
PCS 1076	1	90	14.59	493.72	0	6465.91	292.69	53.37	31692.9	0	532.58	0	0	14.71	0	0	0	0	0	0	52.68
PCS 1077	1	90	0	719.44	0	1327.29	0	90.02	23138	0	644.01	0	0	14.69	0	0	0	119.79	0	0	48.94
PCS 1078	1	90	0	418.89	0	2157.58	0	92.97	36005.7	0	579.85	0	0	0	0	0	0	0	0	0	60.68
PCS 1079	1	90	0	489.57	0	15019.4	0	60.81	33950.7	0	762.93	0	0	0	0	0	0	86.11	0	0	39.1
PCS 1080	1	90	0	503.34	0	11531.2	0	79.83	32560.1	0	701.96	0	0	16.72	0	0	0	93.08	0	0	53.74
PCS 1081	1	90	0	441.73	0	11892.5	384.37	84.64	45345.3	0	911.49	0	0	0	0	37.02	0	128.2	0	0	67.14
PCS 1082	1	90	0	321.06	0	16413.4	409.14	65.36	55421.7	0	1031.22	0	0	0	0	0	0	0	0	0	64.53
PCS 1083	1	90	17.76	479.35	0	11079.7	0	61.46	34113.5	0	826.39	0	0	0	0	31.41	0	125.22	0	0	55.7
PCS 1084	1	90	0	428.52	0	3072.12	547.32	65.43	50264.7	0	956.63	13.96	0	21.69	0	35.72	0	75.76	0	0	85.81
PCS 1085	1	90	0	414.11	0	9263.38	386.2	70.92	40246.1	0	941.24	0	0	0	0	0	0	0	0	0	70.8
PCS 1086	1	90	20.5	514.58	0	10520.1	0	0	28411.7	0	798.73	0	0	0	0	25.55	0	119.44	0	0	78.44
PCS 1087	1	90	13.55	395.02	0	2819.47	513.7	68.72	48176.8	0	1055.2	0	0	0	0	0	0	0	0	0	68.48
PCS 1088	1	90	17	326.95	0	3642.29	0	96.98	54226.1	0	1104.13	0	0	15.25	0	0	0	107.27	0	0	74.69

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCS 1089	1	90	0	411.32	0	1994.31	344.24	95.52	37890.3	0	655.12	0	0	27.63	0	0	0	0	0	0	39.69
PCS 1090	1	90	0	421.02	0	2592.91	0	78.06	34294.1	0	735.3	0	0	25.44	0	0	0	0	0	0	49.73
PCS 1091	1	90	0	463.23	0	9212.41	309.02	72.54	28711.3	0	605.43	0	0	25.73	0	0	0	0	0	0	58.32
PCS 1092	1	90	19.92	381.05	0	1396.46	360.69	43.54	33071.6	0	800.37	10.05	0	0	0	0	0	0	0	0	52.24
PCS 1093	1	90	12.45	431.82	0	5945.29	0	58.45	29753.8	0	625.42	0	0	14.92	0	0	0	0	0	0	60.49
PCS 1094	1	90	17.94	396.08	0	5736.61	351.07	66.1	29701.2	0	810.38	0	0	0	0	0	0	0	0	0	54.65
PCS 1095	1	90	18.14	525.28	0	1089.36	0	50.73	25488.3	0	467.79	0	0	15.7	0	0	0	86.12	0	0	57.89
PCS 1096	1	90	0	450.57	0	1935.94	353.06	140.32	50832.2	0	803.83	0	0	0	0	0	0	0	0	0	71.35
PCS 1097	1	90	0	401.25	0	6404.37	0	81.98	38887	0	684.47	9.72	0	16.33	0	0	0	0	0	0	78.9
PCS 1098	1	90	0	455.85	0	10126.7	537.24	88.54	46804	0	902.94	0	0	0	0	0	0	0	0	0	69.48
PCS 1099	1	90	0	583.38	0	7503.44	0	85.16	40059.3	0	709.27	0	0	18.58	0	38.84	0	118.7	0	0	61.85
PCS 1100	1	90	0	646.41	0	7272.9	0	59.98	27710.3	0	482.45	0	0	29.11	0	0	0	0	0	0	62.71
PCS 1101	1	90	0	548.25	0	6540.49	0	0	24730.9	0	642.93	0	0	19.24	0	0	0	0	0	0	50.17
PCS 1102	1	90	14.45	602.74	0	10526.6	362.15	89.06	36759.8	0	749.65	0	0	0	0	0	0	0	0	0	77.09
PCS 1103	1	90	0	506.41	0	9810.44	0	112.89	52219.9	0	923.28	0	0	0	0	33.07	0	76.35	0	0	59.75
PCS 1104	1	90	0	1051.02	0	1909.11	432.17	84.82	39153.9	0	710.18	0	0	0	0	0	0	0	0	0	71.33
PCS 1105	1	90	22.36	937.72	0	6576.33	439.91	107.67	49348.3	0	787.79	0	0	0	0	41.77	0	106.47	0	0	58.96
PCS 1106	1	90	0	796.67	0	1831.78	364.7	134.76	46384	0	948.15	9.21	0	0	0	36.58	0	0	0	0	64.21
PCS 1107	1	90	16.72	310.15	0	2075.37	518.85	171.37	53644.2	0	932.04	0	0	0	0	0	0	71.01	0	0	63.57
PCS 1108	1	90	0	727	0	1376.29	398.45	108.18	49932.7	0	1019.41	11.76	0	0	0	0	0	0	0	0	49.94
PCS 1109	1	90	13.84	290.7	0	3774.74	566.76	87.64	48620.9	0	406.33	14.25	0	16.87	0	0	0	123.18	0	0	48.79
PCS 1110	1	90	16.73	338.4	0	7556.27	342.77	108.84	50035.1	0	1088.82	0	0	0	0	0	0	0	0	0	65.94
PCS 1111	1	90	0	282.25	0	1228.64	467.74	77.93	40181.4	0	869.07	0	0	17.37	0	0	0	0	0	0	60.27
PCS 1112	1	90	28.72	365.44	0	680.15	334.57	75.52	41960.3	0	352.92	0	0	0	0	37.91	0	116.37	0	0	0
PCS 1113	1	90	16.51	324.24	0	6121.74	0	184.04	48908.5	0	953.33	0	0	0	0	0	0	77.36	0	0	55.76
PCS 1114	1	90	62.27	258.81	0	577.31	639.34	104.9	62332.6	0	0	0	0	25.96	0	0	0	0	0	0	22.97
PCS 1115	1	90	75.32	387.21	0	454.48	471.11	83.9	80972.6	0	0	12.16	0	22.49	0	48.58	0	111.13	0	0	50.85
PCS 1116	1	90	89.9	354.58	0	2090.57	495.73	89.89	87169.7	0	365.2	0	0	0	0	0	10.16	0	0	0	31.59
PCS 1117	1	90	44.28	358.82	0	3888.33	377.74	79.02	40269.5	0	637.29	0	0	17.37	0	0	0	0	0	0	0
PCS 1118	1	90	0	397.41	0	1224.19	0	0	13093.6	0	442.62	8.2	0	17.08	0	0	0	74.43	0	0	0
PCS 1119	1	90	34.64	378.48	0	3275.05	361.26	89.2	45057.6	0	280.06	9.81	0	18.82	0	0	0	71.77	0	0	60.32
PCS 1120	1	90	0	547.86	0	1309.51	274.41	0	24594.7	0	670.37	0	0	15.71	0	0	0	0	0	0	55.51
PCS 1121	1	90	0	402.96	0	5314.34	0	0	10078.3	0	545.61	0	0	0	15820.5	0	0	0	0	0	0
PCS 1122	1	90	0	377.73	0	1057.13	0	0	8047.58	0	504.9	0	0	0	0	0	0	0	0	0	25.84
PCS 1123	1	90	0	457.56	0	1197.94	0	0	7615.47	0	240.15	0	0	13.87	0	0	0	82.7	0	0	0
PCS 1124	1	90	0	312.71	0	6296.83	0	0	13540.5	0	478.25	0	0	18.92	16027.7	0	0	0	0	0	0
PCS 1125	1	90	64.48	430.01	0	2306.2	0	0	39744.5	0	555.75	0	0	40.95	0	27.48	10.44	0	0	0	26.25
PCS 1126	1	90	26.63	605.76	0	633.42	248.21	51.08	28964.4	0	0	0	0	13.31	0	0	0	0	0	0	39.95
PCS 1127	1	90	74.58	463.07	0	0	1477.02	72.51	163211	0	0	0	0	26.39	0	0	0	156.59	0	0	44.43
PCS 1128	1	90	94.66	418.72	0	0	2872.56	0	421796	0	0	13.84	0	0	0	0	0	0	0	0	0
PCS 1129	1	90	75.62	331.43	0	360.09	490.96	0	48139.9	0	0	0	0	21.67	0	27.65	0	83.85	0	0	0
PCS 1130	1	90	48.52	334.34	0	2404.16	0	0	32483	0	221.4	0	0	34.96	0	0	0	0	0	0	0
PCS 1131	1	90	48.47	155.11	0	6362.67	0	56.23	33603.8	0	410.89	8.33	0	26.3	0	0	0	0	0	0	0
PCS 1132	1	90	56.22	428.33	0	2366.5	344.98	53.45	38547.6	0	0	0	0	31.39	0	0	0	0	0	0	23

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCS 1133	1	90	58.37	429.49	0	2246.99	397.71	0	54830.1	0	275.59	0	0	38.27	0	0	8.96	0	0	0	0
PCS 1135	1	90	72.62	354.44	0	1561.19	572.52	0	101265	0	0	16.48	0	0	27898	0	11.29	0	0	0	37.27
PCS 1136	1	90	51.22	262.63	0	652.03	0	77.53	42796.7	0	154.84	0	0	0	0	0	0	0	0	0	28.86
PCS 1137	1	90	24.84	432.39	0	11147.3	299.2	59.54	39007.6	0	634.59	0	0	15.04	0	0	0	125.18	0	0	83.92
PCS 1138	1	90	27.08	342.71	0	561.44	0	44.29	36517.4	0	0	0	0	0	0	0	0	0	0	0	21.36
PCS 1139	1	90	22.41	294.27	0	1302.73	0	37.88	18515.1	0	409.51	0	0	27.45	0	0	0	0	0	0	22.27
PCS 1141	1	90	69.15	351.79	0	2362.7	0	0	31725.6	0	0	9.69	0	26.56	18851	0	8.05	0	0	0	0
PCS 1142	1	90	46.4	289.02	0	3774.24	324.29	44.1	34094.9	0	273.02	0	0	35.33	0	0	0	0	0	0	29.49
PCS 1143	1	90	28.3	435.58	0	728.35	0	0	30112.4	0	253.65	0	0	32.88	0	0	0	96.95	0	0	0
PCS 1144	1	90	25.15	653.68	0	10958	327.49	104.76	44334.4	0	839.12	0	0	0	0	41.11	0	132.2	0	0	103.16
PCS 1145	1	90	56.11	626.21	0	3784.79	0	76.5	40540.5	0	206.25	0	0	0	0	0	0	76.87	0	0	62.94
PCS 1146	1	90	17.4	494.95	0	1042.6	0	0	24495.5	0	225.49	0	0	33.94	0	0	0	0	0	0	30.77
PCS 1147	1	90	0	425.46	0	7632.99	0	57.13	38103.7	0	545.39	0	0	0	0	0	0	0	0	0	73.83
PCS 1148	1	90	0	407.93	0	4374.98	0	0	17287.6	0	608.35	12.34	0	13.45	16423.8	0	0	0	0	0	59.06
PCS 1149	1	90	21.24	289.84	76.12	6489.03	292.23	0	25612.3	0	514.55	8.99	0	47.88	18199.5	0	0	0	0	0	28.68
PCS 1150	1	90	0	369.64	0	1668.96	0	0	14436.2	0	467.76	0	0	14.47	0	0	0	0	0	0	35.41
PCS 1151	1	90	0	401.59	0	4946.56	0	0	9051.86	0	210.22	0	0	13.32	20059.4	0	0	0	0	0	17.87
PCS 1152	1	90	0	396.98	0	5542.71	0	0	9009.84	0	652.44	8.31	0	0	0	0	0	105.42	0	0	24.64
PCS 1153	1	90	0	415.96	0	7877.96	0	0	8946.43	0	491.87	0	0	13.69	15926.7	0	0	82.47	0	0	26.91
PCS 1154	1	90	0	329.02	0	5260.06	0	0	7865.89	0	508.71	0	0	14.34	0	0	0	0	0	0	24.5
PCS 1155	1	90	0	370.83	0	5167.3	0	0	8626.87	0	430.41	9.12	0	15.24	0	0	0	0	0	0	0
PCS 1156	1	90	0	407.72	0	4571.42	0	0	7967.98	0	175.27	0	0	0	17741.6	0	0	0	0	0	0
PCS 1157	1	90	0	542.19	0	1686.66	0	0	24805.6	0	631.76	0	0	15.91	9310.21	0	0	0	0	0	60.62
PCS 1158	1	90	69.28	313.53	0	2342.81	518.76	84.61	74205.3	0	258.5	0	0	16.18	21575.6	0	9.21	110.4	0	0	37.23
PCS 1159	1	90	125.63	299.12	0	3477.28	0	110.55	129401	0	488.68	0	0	25.88	0	0	0	0	0	0	47.75
PCS 1161	1	90	37.42	217.82	0	668.26	412.92	48.76	45209.3	0	224.04	0	0	13.25	0	0	0	0	0	0	41.75
PCS 1162	1	90	23.78	294.49	0	3633.24	0	75.7	33359.1	0	292.45	0	0	15.27	0	0	0	0	0	0	40.18
PCS 1163	1	90	35.66	307.9	0	498.26	0	73.16	55186.9	0	0	11.17	0	29.49	0	0	8.94	123.29	0	0	26.04
PCS 1164	1	90	24.19	320.78	0	586.2	0	55.65	40738.5	0	0	0	0	15.74	0	29.48	0	71.56	0	0	25.66
PCS 1165	1	90	16.72	289.23	0	4577.59	0	73.94	42840.7	0	0	0	0	18.42	0	0	0	0	0	0	49.68
PCS 1166	1	90	17.38	313.03	0	1464.88	322.07	77.59	40174.9	0	556	0	0	0	0	0	0	0	0	0	58.04
PCS 1167	1	90	31.75	333.93	0	3410.51	400.69	53.95	41682	0	0	0	0	0	0	26.81	0	85.87	0	0	33.35
PCS 1168	1	90	15.11	809.41	0	1820.84	0	71.23	31894.6	0	559.92	0	0	0	0	0	0	83.87	0	0	52.55
PCS 1169	1	90	15.68	284.6	0	7687.91	0	66.95	45074.3	0	893.92	0	0	0	21467.7	0	0	0	0	0	96.29
PCS 1170	1	90	0	565.15	0	8814.57	0	0	26106.3	0	566.67	0	0	16.8	18704.2	0	0	94.86	0	0	56.1
PCS 1171	1	90	0	301.92	0	1978.48	332.86	77.96	40685.9	0	900.38	0	0	16.21	0	0	0	0	0	0	57.25
PCS 1172	1	90	0	376.59	0	1576.39	0	66.25	37888.9	0	774.12	0	0	26.64	0	0	0	0	0	0	63.59
PCS 1173	1	90	18.42	402.2	0	2085.41	0	103.67	52620.2	0	735.15	0	0	0	0	0	0	0	0	0	83.84
PCS 1174	1	90	20.59	469.79	0	7947.57	364.36	99.29	46579.2	0	928.35	0	0	0	0	0	0	0	0	0	43.51
PCS 1175	1	90	0	519.78	0	6823.87	0	63.04	25968.7	0	595.79	0	0	0	0	0	0	0	0	0	42.91
PCS 1176	1	90	0	510.02	0	6851.4	0	56.86	27556.1	0	528.11	0	0	15.32	19984.7	0	0	77.91	0	0	44.2
PCS 1177	1	90	0	514.89	0	1618.99	0	73.64	27986.9	0	548.59	0	0	0	0	0	0	0	0	0	39.34
PCS 1178	1	90	0	444.07	0	8887.37	0	47.14	30328.4	0	685.79	0	0	16.44	0	0	0	0	0	0	44.97
PCS 1179	1	90	0	354.25	0	8449.3	296.34	71.24	28974.8	0	900.46	9.42	0	14.93	0	0	0	0	0	0	48.55

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCS 1180	1	90	0	475.5	0	2169.33	0	0	21819.4	0	603.71	0	0	0	0	29.3	0	81.18	0	0	46.03
PCS 1181	1	90	0	432.92	0	8521.05	0	77.22	37185.1	0	716.99	0	0	0	0	0	0	91.96	0	0	50.12
PCS 1182	1	90	0	403.39	0	9345.84	0	63.63	46037.9	0	1027.65	0	0	0	0	0	0	0	0	0	65.31
PCS 1183	1	90	0	390.47	0	13383.8	413.66	94.94	53398.1	0	1159.91	0	0	0	0	0	0	0	0	0	66.87
PCS 1184	1	90	0	439.73	0	3383.99	0	121.66	54421.8	0	829.1	0	0	20.15	0	0	0	0	0	0	74.84
PCS 1185	1	90	0	516.97	0	12997.8	474.95	94.83	55991	0	1068.5	0	0	0	0	33.83	0	92.5	0	0	67.55
PCS 1186	1	90	0	582.18	0	2519.13	0	69.95	29777.9	0	650.46	0	0	0	0	36.27	0	130.02	0	0	52.96
PCS 1187	1	90	0	465.75	0	13609	497.51	90.76	51720	0	844.46	0	0	0	0	0	0	78.44	0	0	74.09
PCS 1188	1	90	0	417.79	0	11311.3	325.31	0	30153.6	0	425.48	0	0	21.82	0	0	0	105.83	0	0	49.4
PCS 1189	1	90	0	410.45	0	9731.76	0	63.18	31649.2	0	577.8	0	0	0	0	0	0	0	0	0	38.28
PCS 1190	1	90	16.62	680.75	0	12724.4	0	48.61	32017.5	0	590.36	0	0	15.9	0	35.36	0	106.05	0	0	69.11
PCS 1191	1	90	21.07	437.8	0	7020.81	0	44.79	23466.4	0	442.54	0	0	21.71	0	0	0	0	0	0	54.86
PCS 1192	1	90	21.19	334.93	0	6284.77	371.72	109.02	44273.9	0	930.93	0	0	0	0	0	0	0	0	0	65.88
PCS 1193	1	90	18.19	422.53	0	1278.71	0	100.44	42468.8	0	874.38	0	0	0	0	30.98	0	103.21	0	0	93.1
PCS 1194	1	90	19.89	460.87	0	1702.41	373.21	82.81	48782.3	0	989.83	0	0	0	0	38.61	0	88.25	0	0	79.35
PCS 1195	1	90	0	284.96	0	4431.18	0	0	12367.9	0	314.38	9.49	0	0	15495.9	0	0	0	0	0	30.43
PCS 1196	1	90	0	690.62	0	7615.84	0	62.54	34525.6	0	648.49	0	0	0	0	0	0	101.6	0	0	54.63
PCS 1197	1	90	0	440.59	0	8127.87	0	49.15	45244.8	0	932.35	0	0	0	0	0	0	0	0	0	74.25
PCS 1198	1	90	0	519.35	0	10511.1	0	52	34603	0	666.38	0	0	0	0	0	0	0	0	0	65.95
PCS 1199	1	90	0	431.74	0	10046.6	0	0	31593.7	0	499.33	0	0	0	0	0	0	0	0	0	47.18
PCS 1200	1	90	0	408.68	0	2252.44	0	0	17815.4	0	591.59	0	0	0	0	0	0	0	0	0	42.74
PCS 1201	1	90	0	433.34	0	2462.54	0	50.59	35892.2	0	663.6	0	0	0	0	0	0	0	0	0	58.55
PCS 1202	1	90	0	370.46	0	2180.88	0	0	37472.3	0	619.62	0	0	0	0	0	0	0	0	0	64.01
PCS 1203	1	90	42	285.74	0	3059.1	0	70.68	53442.6	0	231.8	15.15	0	0	0	0	0	0	0	0	25.02
PCS 1204	1	90	33.96	387.93	0	5835.49	0	62.42	40088.3	0	578.27	0	0	14.85	0	0	0	79.1	0	0	61.83
PCS 1205	1	90	26.91	397.29	0	2072.84	382.41	45.09	38187.5	0	801.75	0	0	0	0	0	0	0	0	0	68.47
PCS 1206	1	90	33.01	564.96	0	7453.7	0	57	38720.6	0	817.92	0	0	0	0	0	0	0	0	0	49.65
PCS 1207	1	90	46.27	529.04	0	5871.7	312.98	51.6	38454.6	0	944.74	0	0	0	0	41.39	0	155.18	0	0	56.34
PCS 1208	1	90	47.86	615.3	0	6592.95	0	0	38065.4	0	766.27	0	0	17.99	0	0	0	0	0	0	64.34
PCS 1209	1	90	55.87	522.24	0	1145.34	0	51.07	35325	0	740.85	0	0	21.33	0	27.69	0	91.64	0	0	67.93
PCS 1210	1	90	26.24	593.02	0	4602.1	0	61.25	36562.9	0	780.66	9.05	0	0	0	42.92	0	107.8	0	0	67.79
PCS 1211	1	90	33.02	426.17	0	5477.67	401.99	67.94	29463.5	0	784.26	0	0	0	0	0	0	0	0	0	80.11
PCS 1212	1	90	32.69	453	0	1155.31	0	0	28214.8	0	571.55	0	0	19	0	0	0	0	0	0	54.96
PCS 1213	1	90	18.44	514.69	0	6412.5	0	70.63	34753.3	0	845.84	9.22	0	17.19	0	0	0	0	0	0	55.4
PCS 1214	1	90	22.07	415.01	0	1201.58	351.91	65.76	30391.4	0	690.03	0	0	0	0	0	0	0	0	0	47.83
PCS 1215	1	90	17.7	406.94	0	1462.22	0	84.52	33126.2	0	786.99	0	0	17.2	0	0	0	0	0	0	73.39
PCS 1216	1	90	41.3	400.81	0	5903.96	0	83.52	40986.9	0	836.01	0	0	0	0	0	0	0	0	0	67.13
PCS 1217	1	90	18.26	456.19	0	8898.34	372.08	0	47280.3	0	870.23	0	0	0	0	0	0	0	0	0	60.96
PCS 1218	1	90	19.31	502.13	0	2281.78	483.35	53.19	43691.7	0	911.95	0	0	0	0	0	0	114.98	0	0	70.53
PCS 1219	1	90	32.51	480.59	0	1858.46	0	47.17	41540.5	0	982.57	0	0	27.58	0	0	0	0	0	0	94.51
PCS 1220	1	90	43.9	1094.2	0	1362.99	0	0	22650.1	0	780.08	0	0	17.85	0	35.29	0	151.5	0	0	56.94
PCS 1221	1	90	45.03	710.84	0	7863.79	0	53.73	38485.8	0	820.57	11.76	0	0	0	50.53	0	130.89	0	0	52.61
PCS 1222	1	90	48.56	523.4	0	7784.82	361.73	67.55	44260.2	0	796.06	0	0	0	0	0	0	95.2	0	0	55.32
PCS 1223	1	90	13.12	451.62	0	1805.05	338.7	60.97	44981.1	0	1082.98	0	0	0	0	0	0	0	0	0	54.41

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCS 1224	1	90	18.23	614.54	0	7757.28	374.36	45.23	41671.1	0	906.69	9.66	0	16.96	0	0	0	0	0	0	60.73
PCS 1225	1	90	95.96	546.19	0	9254.53	365.23	0	46548.9	0	964.39	0	0	0	0	0	0	0	0	0	68.35
PCS 1226	1	90	0	473.2	0	7881.27	0	55.62	42548	0	785.86	0	0	18.53	0	0	0	0	0	0	72.17
PCS 1227	1	90	17.84	517.65	0	6562.17	0	52.83	32619.2	0	725.4	10.8	0	22.74	0	0	0	97.18	0	0	58.18
PCS 1228	1	90	15.35	513.57	0	6932.49	0	61.21	36517.1	0	707.93	0	0	21.03	0	0	0	0	0	0	57.09
PCS 1229	1	90	17.29	524.65	0	7281.05	327.79	46.11	38872.6	0	883.92	13.48	0	0	0	0	0	0	0	0	68.13
PCS 1230	1	90	0	507.02	0	6268.88	0	57.07	32779.2	0	753.11	0	0	19.11	0	0	0	0	0	0	65.6
PCS 1231	1	90	22.05	433.67	0	1951.72	0	52.05	37761.2	0	705.3	0	0	0	0	0	0	0	0	0	61.52
PCS 1232	1	90	26.88	427.03	0	10027.4	0	81.18	43528.1	0	1167.92	0	0	0	0	0	0	0	0	0	70.84
PCS 1233	1	90	18.04	447.49	0	9399.91	481.28	80.56	47645.3	0	870.5	0	0	20.05	23816.4	0	0	114.85	0	0	77.39
PCS 1234	1	90	22.34	513.13	0	9324.47	328.71	92.88	39419.8	0	812.14	0	0	0	0	0	0	124.78	0	0	44.01
PCS 1235	1	90	0	424.76	0	7978.32	352.42	87.77	41674.5	0	1009.61	0	0	19.33	0	0	0	0	0	0	51.84
PCS 1236	1	90	15.63	463.64	0	14883.2	324.24	97.03	40332.3	0	967.94	0	0	20.65	0	0	0	0	0	0	41.91
PCS 1237	1	90	15.81	338.81	0	9320.93	395.03	82.55	41103.3	0	536.36	0	0	15.95	0	0	0	0	0	0	30.48
PCS 1238	1	90	0	417.32	0	17667.1	0	68.94	40466.9	0	734.86	0	0	17.86	20700.8	0	0	0	0	0	50.84
PCS 1239	1	90	13.33	405.11	0	15006.6	0	57.19	39715.9	0	782.65	0	0	0	0	0	0	0	0	0	49.32
PCS 1240	1	90	0	397.06	0	10389	0	87.48	33149.3	0	495.29	0	0	28.85	0	0	0	0	0	0	41.68
PCS 1241	1	90	0	149.82	0	1376.41	375.93	117.5	41094.2	0	581.22	0	0	19.03	0	0	0	0	0	0	62.74
PCS 1242	1	90	35.35	341.79	0	6323.74	0	90.76	61800	0	808.23	0	0	18.07	0	0	0	0	0	0	0
PCS 1243	1	90	44	342	0	552.81	764.75	116.01	77758.7	0	185.75	0	0	17.54	0	0	11.82	74.29	0	0	44
PCS 1244	1	90	45.9	346.2	0	3227.11	421.23	86.29	60363.7	0	271.16	9.69	0	18.06	0	0	9.98	0	0	0	45.35
PCS 1245	1	90	18.15	294.82	0	4295.22	453.99	66.44	43816.9	0	303.82	0	0	17.89	0	56.81	0	0	0	0	21.47
PCS 1246	1	90	32.2	249.23	0	3168.32	227.56	0	24275.6	0	0	8.96	0	20.88	0	0	8.33	108.3	0	0	0
PCS 1247	1	90	37.17	344.93	0	587.71	0	60.33	35147.8	0	0	0	0	0	0	0	8.17	95.83	0	0	0
PCS 1248	1	90	36.48	352.74	75.72	3079.03	0	67.69	35181.2	0	559.02	10.07	0	28.27	0	35.9	8.21	132.56	0	0	36.98
PCS 1249	1	90	21.5	283.22	0	525.14	291.16	0	28290.1	0	182.64	16.12	0	47.89	0	45.37	0	122.13	0	0	0
PCS 1250	1	90	63.94	318.24	0	4805.02	520.77	74.76	48299.1	0	302.81	21.15	0	62.04	0	0	0	0	0	0	21.97
PCS 1251	1	90	32.63	331.65	0	3369.71	562.45	97.2	54481.4	0	354.66	23.41	0	126.64	0	36.01	10.66	0	0	0	43.56
PCS 1252	1	90	0	362.03	0	3101.18	0	99.28	42413.6	0	507.51	19.92	0	69.62	0	0	0	0	0	0	111.13
PCS 1253	1	90	54.26	363.35	0	580.63	343.16	66.05	38473.7	0	0	12.56	0	127.67	0	0	13.62	87.21	0	0	31.79
PCS 1254	1	90	47.44	373.69	0	4149.77	508.34	93.77	46889.6	0	493.75	0	0	39.66	0	0	0	0	0	0	33.22
PCS 1255	1	90	45.63	344.27	0	2311.23	0	91.75	42330.3	0	295.36	10.78	0	36.08	0	0	0	75.26	0	0	24.87
PCS 1256	1	90	51.27	348.53	0	3372.77	318.87	67.7	40787.4	0	496.34	10.64	0	40.87	0	0	0	86.82	0	0	29.94
PCS 1257	1	90	40.44	291.25	0	1154.05	325	82.67	35871.4	0	312.15	18.34	0	36.75	0	0	0	0	0	0	57.33
PCS 1258	1	90	30.75	262.76	0	7007.06	411.5	102.59	39434.8	0	889.92	0	0	14.3	0	0	0	0	0	0	71.41
PCS 1259	1	90	78.06	385.46	0	364.88	936.01	76.23	72770.3	0	223.39	21.05	0	60.36	0	27.54	28.48	95.05	0	0	33.49
PCS 1260	1	90	54.25	272.52	0	4829.18	355.13	87.3	39638.9	0	745.81	0	0	23.78	0	0	0	89.58	0	0	67.55
PCS 1261	1	90	27.84	329.17	0	6313	416.97	86.8	46796.1	0	751.9	0	0	0	0	0	0	0	0	0	42.5
PCS 1262	1	90	27.43	351.04	0	6300.34	0	74.01	46964.3	0	474.26	0	0	16.27	0	0	0	0	0	0	50.04
PCS 1263	1	90	29.2	283.33	0	2034.03	0	60.33	38799.6	0	344.9	0	0	0	0	0	0	0	0	0	26.2
PCS 1264	1	90	16.96	319.75	0	1910.41	407.11	82.96	43317.3	0	576.31	0	0	16.93	0	0	0	0	0	0	49.05
PCS 1265	1	90	25.23	338.94	0	1803.25	0	0	38239.2	0	519.38	0	0	0	0	0	0	0	0	0	41.5
PCS 1266	1	90	25.13	409.12	0	1780.35	415.74	52.57	46266.5	0	808.13	10.14	0	22.58	0	0	0	88.92	0	0	59.02
PCS 1267	1	90	47.68	339.44	0	5694.86	418.48	50.02	38353.1	0	548.39	0	0	0	0	0	0	0	0	0	49.25

Sample Number	Number of readings	Average Duration	Maximum Niton reading																		
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCS 1268	1	90	36.58	392.96	0	4638.55	0	47.65	34790.3	0	589.87	0	0	14.38	0	0	0	0	0	0	46.07
PCS 1269	1	90	32.93	330.14	0	6128.13	0	63.98	38396	0	641.25	10.17	0	20.66	0	0	0	0	0	0	67.77
PCS 1270	1	90	19.77	331.25	0	9303.98	0	82.34	39378.4	0	1004.6	9.75	0	14.05	21527.2	0	0	0	0	0	54.9
PCS 1271	1	90	17.85	327.04	0	1549.05	0	73.73	40346.2	0	729.84	0	0	27.88	0	0	0	0	0	0	64.35
PCS 1272	1	90	14.6	329.45	0	5992.48	0	120.91	33978.7	0	583.02	0	0	14.96	0	0	0	74.67	0	0	59.97
PCS 1273	1	90	31.37	412.28	0	1599.82	0	0	35341.1	0	931.43	0	0	20.32	0	0	0	88.04	0	0	46.19
PCS 1274	1	90	21.71	423.65	0	8905.64	0	49.42	35614.2	0	881.69	0	0	18.03	0	0	0	0	0	0	56.19
PCS 1275	1	90	26.05	474.66	0	7849.06	0	88.01	34564.2	0	701.75	0	0	0	0	0	0	100.63	0	0	69.61
PCS 1276	1	90	18.4	445.76	0	1885.47	0	100.57	35323.6	0	848.75	0	0	0	0	0	0	0	0	0	50.95
PCS 1277	1	90	71.07	426.5	0	1596.78	383.29	109.22	40474.3	0	983.62	0	0	0	0	28.6	0	88.6	0	0	59.44
PCS 1278	1	90	25.23	401.58	0	11581.2	0	123.41	47219.3	0	898.12	0	0	0	0	0	0	0	0	0	60.12
PCS 1279	1	90	32.31	518.92	0	1783.73	315.81	52.01	38251.5	0	775.04	0	0	0	0	0	0	88.84	0	0	59.37
PCS 1280	1	90	26.81	539.7	0	7609.39	0	97.83	45164.8	0	869.39	0	0	22.57	0	0	0	126.07	0	0	56.22
PCS 1281	1	90	20.99	529.87	0	6106.88	285.62	66.59	30557.4	0	589.34	0	0	20.1	0	0	0	0	0	0	62.7
PCS 1282	1	90	42.97	346.42	0	2113.54	349.52	78.93	43461	0	806.47	0	0	20.66	0	0	0	0	0	0	61.61
PCS 1283	1	90	22.84	312.41	0	1768.71	398.44	73.62	37565.7	0	668.51	0	0	16.36	0	0	0	0	0	0	62.53
PCS 1284	1	90	30.82	519.73	0	7176.57	0	56.38	26676.9	0	590.34	0	0	24.03	0	0	0	73.48	0	0	61.09
PCS 1285	1	90	35.3	692.78	0	1573.53	0	43.16	18643.3	0	426	0	0	0	0	0	0	121.89	0	0	34.85
PCS 1286	1	90	0	664.62	0	7113.37	0	54.95	17386.4	0	425.85	0	0	17.31	0	0	0	0	0	0	32.62
PCS 1287	1	90	17.58	536.44	0	8999.28	0	0	24229	0	741.39	0	0	15.53	0	0	0	0	0	0	61.2
PCS 1288	1	90	21.49	554.66	0	2387.4	277.65	49.24	28163.3	0	658.31	0	0	22.69	0	37.55	0	84.77	0	0	61.16
PCS 1289	1	90	13.32	432.07	0	14610.9	392.66	96.38	45310.1	0	815.58	0	0	15.7	0	0	0	85.28	0	0	63.82
PCS 1290	1	90	21.99	395.76	0	2885.45	0	119.71	44151.3	0	765.88	0	0	0	0	28.07	0	101.66	0	0	58.2
PCS 1291	1	90	18.13	407.61	0	2020.11	330.01	103.05	39540.8	0	696.65	0	0	19.25	0	30.3	0	99.91	0	0	32.19
PCS 1292	1	90	0	523.08	0	10163.8	349.55	113.27	39750.2	0	892.36	0	0	21.37	0	0	0	0	0	0	64.56
PCS 1293	1	90	15.38	489.29	0	7667.93	0	72.62	36164.7	0	711.62	0	0	20.47	0	0	0	93.44	0	0	57.05
PCS 1294	1	90	29.04	428.95	0	9000.32	0	56.03	40416.6	0	793.98	9.33	0	15.83	0	0	0	0	0	0	53.74
PCS 1295	1	90	30.86	416.06	0	1362.87	0	58.17	38059.7	0	864.35	9.77	0	19.03	0	0	0	0	0	0	53.32
PCS 1296	1	90	26.21	433.5	0	2289	0	0	34257.2	0	772.31	0	0	17.52	0	0	0	94.03	0	0	55.36
PCS 1297	1	90	43.38	573.84	0	7105.09	349.51	101.02	43996.9	0	895.79	0	0	0	0	26.72	0	120.34	0	0	64.37
PCS 1298	1	90	22.36	431.99	0	1461.68	345.01	108.08	36829.3	0	663.12	0	0	0	0	0	0	0	0	0	59.61
PCS 1299	1	90	53.01	505.04	0	7366.25	0	126.67	43711.8	0	866.73	0	0	0	0	28.76	0	112.17	0	0	65.51
PCS 1300	1	90	28.12	449.81	0	8421.1	379.94	84.73	42711.2	0	804.27	0	0	0	0	0	0	0	0	0	48.15
PCS 1301	1	90	31.34	259.33	0	5480.18	568.09	99.95	54133.9	0	883.09	0	0	0	0	0	0	0	0	0	62.74
PCS 1302	1	90	38.42	336.84	0	1266.31	544.73	120.63	56939.3	0	482.28	0	0	0	0	0	0	95.98	0	0	48.6
PCS 1303	1	90	26.94	370.43	0	2284.13	0	100.8	46071.4	0	1099.25	0	0	0	0	0	0	0	0	0	74.7
PCS 1304	1	90	22.68	380.01	0	2332.15	0	94.48	50920.6	0	999.66	0	0	16.78	0	0	0	0	0	0	59.3
PCS 1305	1	90	71.81	256.52	0	1508.52	0	113.05	70178.6	0	425.47	0	0	36.72	0	0	15.1	0	0	0	51.76
PCS 1306	1	90	16.39	383.65	0	1340.33	0	45.78	15876.2	0	808.74	8.55	0	0	0	0	0	0	0	0	30.14
PCS 1307	1	90	0	368.75	0	5809.73	0	0	11509.3	0	340.32	0	0	0	0	28.81	0	72.37	0	0	27.46
PCS 1308	1	90	0	356.21	0	1529.14	0	0	15750.2	0	797.54	0	0	14.57	0	0	0	0	0	0	46.96
PCS 1309	1	90	0	542.39	0	1143.77	0	52.7	17322.3	0	505.2	0	0	0	0	0	0	0	0	0	34.54
PCS 1310	1	90	0	617.01	0	3998.3	0	0	11418.8	0	137.15	0	0	0	0	0	0	69.44	0	0	0
PCS 1311	1	90	15.71	390.39	0	2240.69	395.65	62.28	43369.5	0	889.41	0	0	0	0	0	0	109.65	0	0	66.56

Sample Number	Number of readings	Average Duration	Maximum Niton reading																	
			Max Of As	Max Of Ba	Max Of Bi	Max Of Ca	Max Of Co	Max Of Cu	Max Of Fe	Max Of Hg	Max Of Mn	Max Of Mo	Max Of Ni	Max Of Pb	Max Of S	Max Of Sb	Max Of Se	Max Of Te	Max Of U	Max Of W	Max Of Zn
PCS 1312	1	90	0	469.77	0	3526.7	0	108.68	50065	0	680.55	0	0	19.71	0	0	0	109.28	0	0	49.29
PCS 1313	1	90	14.21	232.31	0	1826.26	0	106.17	38844.6	0	713.54	0	0	0	0	0	0	0	0	0	65.92
PCS 1314	1	90	0	343.59	0	12505	0	148.45	49419.5	0	1004.55	0	0	0	0	26.72	0	76.86	0	0	38.51
PCS 1315	1	90	14.57	423.86	0	7140.02	0	99.46	32079.4	0	519.2	0	0	18.68	0	0	0	75.12	0	0	52.02
PCS 1316	1	90	0	423.54	0	8170.39	389.35	91.41	31859.7	0	524.29	0	0	0	0	0	0	0	0	0	53.94
PCS 1317	1	90	0	312.24	0	7437.66	409.27	98.83	47093.4	0	674.48	0	0	27.56	0	0	0	0	0	0	62.31
PCS 1318	1	90	13.55	430.21	0	6377.94	0	80.23	29915.2	0	414.41	0	0	16.86	0	0	0	96.78	0	0	56.65
PCS 1319	1	90	0	459.56	0	10284.1	0	66.22	32455.8	0	627.25	0	0	16.18	0	0	0	0	0	0	42.04
PCS 1320	1	90	0	362.94	0	9225.53	0	98.7	38055.2	0	984.53	0	0	21.06	0	0	0	0	0	0	50.37
PCS 1321	1	90	0	421.97	0	1944.06	515.49	67.48	34467.7	0	606.08	0	0	0	0	0	0	0	0	0	71.71

Sample Number	Assay value															
	From (m)	To (m)	As ppm	Bi ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	W ppm	Zn ppm
GOWH01 00-02	0	2	32	-2	22	30600	0	14	2	8	6700	0	4	0	0	6
GOWH01 02-04	2	4	20	-2	10	19200	0	8	1	4	10200	0	2	0	0	2
GOWH01 04-06	4	6	13	-2	13	12300	0	-5	3	7	9800	0	1	0	0	2
GOWH01 06-08	6	8	33	4	52	47700	0	6	5	20	4200	0	3	1	0	2
GOWH01 08-10	8	10	49	4	74	85700	0	11	14	35	4100	1	13	2	1	2
GOWH01 10-12	10	12	45	2	27	45800	0	7	7	15	4100	1	7	1	1	2
GOWH01 12-14	12	14	29	-2	46	56600	0	7	2	12	4600	0	8	1	0	4
GOWH01 14-16	14	16	41	2	23	43900	0	10	7	19	3600	0	5	1	1	3
GOWH01 16-18	16	18	27	2	32	40400	0	11	2	9	2600	0	6	1	1	3
GOWH01 18-20	18	20	24	-2	28	35400	0	6	3	7	3200	0	6	1	0	3
GOWH01 20-22	20	22	24	-2	48	52300	0	-5	1	5	2600	0	7	1	1	2
GOWH01 22-24	22	24	51	2	24	71300	0	6	5	6	4000	0	19	2	0	3
GOWH01 24-26	24	26	24	-2	21	46000	0	8	2	8	2500	0	8	1	0	2
GOWH01 26-28	26	28	16	-2	24	36500	0	6	2	12	2500	0	9	1	0	3
GOWH01 28-30	28	30	30	-2	124	45400	1	11	4	13	38300	0	11	2	1	2
GOWH01 30-32	30	32	57	3	298	61900	0	27	4	20	67300	1	13	2	1	9
GOWH01 32-34	32	34	38	3	247	53900	0	32	2	16	48300	1	11	2	2	13
GOWH01 34-36	34	36	36	-2	214	57700	0	52	1	10	64200	1	12	2	1	23
GOWH01 36-38	36	38	39	2	118	53300	0	49	2	8	58100	1	11	2	1	107
GOWH01 38-40	38	40	38	-2	119	59700	0	42	2	9	66300	1	10	2	0	123
GOWH01 40-42	40	42	50	-2	122	53500	0	37	3	12	59600	1	8	2	0	46
GOWH01 42-44	42	44	17	-2	87	19700	0	12	1	9	21600	0	4	1	0	6
GOWH01 44-46	44	46	15	-2	87	15900	0	9	1	8	17900	0	4	1	0	3
GOWH01 46-48	46	48	36	-2	96	32700	0	17	2	11	37000	0	9	1	0	12
GOWH01 48-50	48	50	37	3	122	64100	0	25	2	9	72300	0	12	2	0	42
GOWH01 50-52	50	52	58	2	144	65100	0	22	4	14	85700	0	15	2	0	40
GOWH01 52-54	52	54	28	-2	93	29300	0	21	4	10	50400	0	7	1	0	11
GOWH01 54-56	54	56	12	-2	77	8000	0	22	1	8	18500	0	3	0	0	12
GOWH01 56-58	56	58	46	-2	86	54500	0	1300	2	14	5300	0	2	0	1	129
GOWH01 58-60	58	60	43	-2	80	53000	0	1080	1	12	6400	0	3	0	1	102

Sample Number	Number of readings	Average Duration	Niton value - average of readings													
			Av As	Av Bi	Av Cu	Av Fe	Av Hg	Av Mn	Av Mo	Av Pb	Av S	Av Sb	Av Se	Av Te	Av W	Av Zn
GOWH01 00-02	3	90	28.95	LOD	37.59	25016.79	LOD	LOD	LOD	19.58	28716.75	LOD	LOD	52.02	LOD	LOD
GOWH01 02-04	3	90	24.65	LOD	LOD	13133.49	LOD	LOD	LOD	12.64	24810.60	9.39	LOD	31.96	LOD	LOD
GOWH01 04-06	3	90	5.48	LOD	LOD	9825.11	LOD	LOD	LOD	34.55	29107.34	LOD	LOD	28.40	LOD	LOD
GOWH01 06-08	3	90	34.94	LOD	25.69	38127.85	LOD	LOD	LOD	77.33	21225.55	11.39	LOD	70.24	LOD	LOD
GOWH01 08-10	3	90	38.06	LOD	88.04	61132.46	LOD	LOD	8.60	67.16	6720.45	14.42	15.67	67.58	LOD	LOD
GOWH01 10-12	3	90	48.04	LOD	55.90	29784.86	LOD	LOD	LOD	40.26	22751.14	LOD	5.60	74.95	LOD	LOD
GOWH01 12-14	3	90	31.85	LOD	68.42	36878.61	LOD	LOD	LOD	30.67	24867.66	LOD	2.93	LOD	LOD	LOD
GOWH01 14-16	3	90	50.05	LOD	39.20	32007.66	LOD	LOD	LOD	30.48	23862.84	LOD	LOD	LOD	LOD	LOD
GOWH01 16-18	3	90	30.80	LOD	37.17	22362.34	LOD	LOD	LOD	20.29	21182.97	LOD	LOD	LOD	LOD	LOD
GOWH01 18-20	3	90	27.62	LOD	55.33	24773.44	LOD	LOD	LOD	11.46	36721.88	LOD	3.50	LOD	LOD	LOD
GOWH01 20-22	3	90	26.72	LOD	42.04	38029.71	LOD	LOD	3.76	5.24	26151.08	LOD	LOD	LOD	LOD	LOD
GOWH01 22-24	3	90	37.36	LOD	24.03	47127.43	LOD	LOD	LOD	27.28	33774.24	14.24	15.40	36.35	LOD	LOD
GOWH01 24-26	3	90	26.78	LOD	40.14	33851.89	LOD	LOD	LOD	17.98	22986.23	LOD	6.20	31.20	LOD	LOD
GOWH01 26-28	3	90	19.47	LOD	17.38	22784.47	LOD	LOD	LOD	23.76	26721.91	20.32	6.87	LOD	LOD	LOD
GOWH01 28-30	3	90	26.26	LOD	110.58	22821.30	LOD	LOD	LOD	13.69	43899.45	LOD	2.63	62.29	LOD	LOD
GOWH01 30-32	3	90	54.64	LOD	233.77	30034.44	LOD	LOD	LOD	15.48	51038.61	30.39	LOD	91.72	LOD	9.17
GOWH01 32-34	3	90	36.43	LOD	225.66	36633.76	LOD	LOD	LOD	22.87	48937.43	LOD	6.68	75.41	LOD	19.81
GOWH01 34-36	3	90	31.61	LOD	165.03	35363.32	LOD	LOD	LOD	12.73	30220.22	13.26	3.90	85.16	LOD	22.27
GOWH01 36-38	3	90	44.88	LOD	107.54	33020.26	LOD	LOD	LOD	LOD	26704.88	16.67	9.25	83.51	LOD	88.21
GOWH01 38-40	3	90	33.00	LOD	89.30	33081.85	LOD	LOD	LOD	5.87	34861.41	20.81	10.64	41.92	LOD	110.01
GOWH01 40-42	3	90	49.88	LOD	92.21	27966.75	LOD	LOD	LOD	LOD	24342.02	14.55	LOD	36.79	LOD	43.59
GOWH01 42-44	3	90	19.55	LOD	86.09	10719.00	LOD	LOD	LOD	11.98	23876.92	LOD	LOD	23.99	LOD	LOD
GOWH01 44-46	3	90	22.01	LOD	73.62	9052.51	LOD	LOD	LOD	5.94	30011.73	LOD	LOD	LOD	LOD	LOD
GOWH01 46-48	3	90	32.70	LOD	94.13	17399.63	LOD	LOD	4.02	13.16	28765.80	LOD	LOD	LOD	LOD	LOD
GOWH01 48-50	3	90	32.70	LOD	101.28	28381.05	LOD	LOD	LOD	8.63	30140.77	LOD	6.64	32.66	LOD	38.72
GOWH01 50-52	3	90	41.06	LOD	99.22	31852.82	LOD	LOD	LOD	23.59	24857.44	13.30	6.84	117.65	LOD	32.45
GOWH01 52-54	3	90	25.02	LOD	75.53	15582.81	LOD	LOD	LOD	16.52	31979.87	LOD	LOD	LOD	LOD	20.12
GOWH01 54-56	3	90	14.15	LOD	58.58	4619.42	LOD	LOD	LOD	4.80	28878.90	LOD	LOD	LOD	LOD	18.32
GOWH01 56-58	3	90	39.39	LOD	75.46	40333.95	LOD	821.39	3.61	14.19	14677.75	LOD	LOD	100.94	LOD	93.99
GOWH01 58-60	3	90	39.57	LOD	75.51	39510.32	LOD	641.76	LOD	6.23	27789.26	10.17	LOD	68.29	LOD	69.90

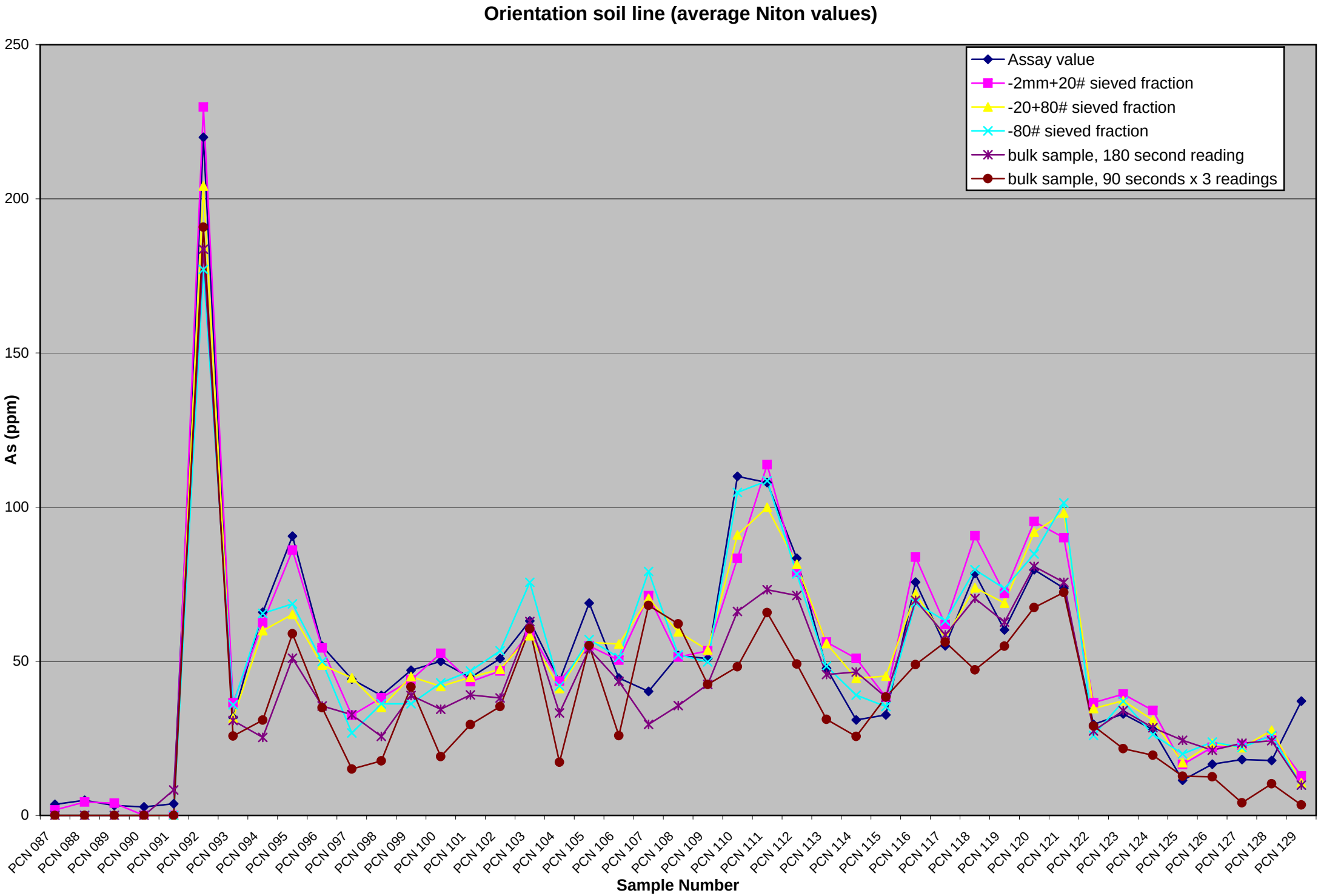
Sample Number	Niton errors - average of readings													
	As ppm	Bi ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	W ppm	Zn ppm
GOWH01 00-02	10.27	41.55	33.44	548.50	15.15	109.76	8.91	10.27	11254.97	26.00	7.14	56.20	96.69	18.45
GOWH01 02-04	9.32	40.28	38.72	389.28	14.16	96.99	8.63	10.72	10080.32	22.68	6.34	62.88	92.47	18.55
GOWH01 04-06	12.60	39.54	37.78	327.39	13.83	95.61	8.35	10.98	10727.03	24.50	5.81	60.40	87.42	17.00
GOWH01 06-08	14.73	53.79	40.53	703.22	15.85	133.52	9.35	15.99	10918.91	24.58	7.55	59.35	101.26	19.24
GOWH01 08-10	15.87	65.40	38.41	974.66	18.80	163.78	8.11	17.01	13060.87	27.41	7.15	66.12	125.82	22.09
GOWH01 10-12	13.29	49.44	30.78	615.64	15.17	125.29	9.32	12.83	10595.28	26.73	6.26	58.32	100.02	19.82
GOWH01 12-14	11.79	52.47	32.54	698.86	15.95	128.20	9.23	11.88	11090.35	26.96	6.56	75.01	105.08	21.09
GOWH01 14-16	12.74	49.99	35.43	636.66	15.91	125.84	9.37	11.62	10927.31	26.34	7.31	72.73	100.99	19.93
GOWH01 16-18	10.51	47.32	34.13	520.87	15.82	111.23	8.87	10.36	10161.90	25.56	7.26	71.19	101.46	18.41
GOWH01 18-20	9.82	45.32	29.15	542.94	14.80	116.11	8.63	11.25	12266.73	25.77	6.49	71.33	93.32	18.04
GOWH01 20-22	10.34	53.11	37.72	726.05	16.75	136.89	8.40	13.41	11088.79	27.90	7.83	77.08	111.40	20.38
GOWH01 22-24	12.67	54.40	42.98	823.80	17.68	153.29	9.78	12.54	12275.69	25.36	6.76	69.97	113.88	20.76
GOWH01 24-26	10.19	46.44	34.20	647.98	15.44	123.14	8.97	10.27	10779.42	26.26	5.95	64.56	94.04	19.07
GOWH01 26-28	10.29	50.30	39.29	543.39	16.29	121.50	9.11	11.24	10630.03	21.00	6.44	74.29	101.07	20.07
GOWH01 28-30	10.09	48.32	34.37	531.87	16.12	113.92	9.06	11.72	12656.32	26.44	6.46	57.26	105.45	19.78
GOWH01 30-32	13.25	58.54	46.26	653.81	17.40	142.03	9.60	13.27	13507.12	22.44	8.62	62.12	117.23	21.01
GOWH01 32-34	12.11	54.59	45.97	724.97	17.75	148.73	9.50	11.69	13719.03	29.13	6.89	63.11	113.11	20.13
GOWH01 34-36	11.24	55.86	41.45	705.46	17.27	147.62	9.51	12.59	11592.68	25.22	7.87	60.99	112.44	19.82
GOWH01 36-38	11.99	53.47	37.25	680.24	17.11	135.98	9.47	15.70	11162.74	25.80	5.79	62.43	109.47	22.62
GOWH01 38-40	11.13	48.34	36.43	688.18	16.96	143.47	9.63	14.07	12062.61	22.60	6.03	71.97	112.49	24.79
GOWH01 40-42	11.64	45.83	34.79	610.95	16.24	125.07	9.30	14.08	10692.69	24.60	7.47	68.25	101.40	17.56
GOWH01 42-44	8.70	42.10	29.67	343.12	14.29	97.04	8.27	10.51	9739.42	24.60	6.33	60.39	91.85	18.74
GOWH01 44-46	8.37	38.65	27.34	304.79	13.57	87.97	7.97	11.20	10467.11	23.62	6.37	65.27	86.38	17.08
GOWH01 46-48	10.77	46.93	34.85	478.71	16.90	114.71	8.29	11.79	10583.57	26.93	7.70	74.71	105.87	20.55
GOWH01 48-50	11.70	53.92	38.10	646.59	18.93	138.72	10.04	15.05	11180.22	28.11	7.03	69.35	121.57	18.74
GOWH01 50-52	13.08	60.59	39.68	702.63	19.49	148.18	10.06	12.36	10913.04	27.60	7.30	57.13	129.92	22.78
GOWH01 52-54	9.99	47.67	32.05	443.25	16.11	117.48	8.91	10.14	11325.69	26.28	7.21	73.05	102.81	17.92
GOWH01 54-56	7.62	40.28	26.99	223.66	14.26	79.39	8.11	10.80	10296.73	23.57	5.90	65.21	85.80	15.04
GOWH01 56-58	11.73	54.03	34.79	750.12	17.02	159.17	8.65	12.13	12667.83	28.23	6.53	60.89	112.69	23.24
GOWH01 58-60	11.38	54.38	35.01	745.16	17.81	147.36	9.42	12.81	12155.66	25.72	7.09	61.99	112.68	21.12

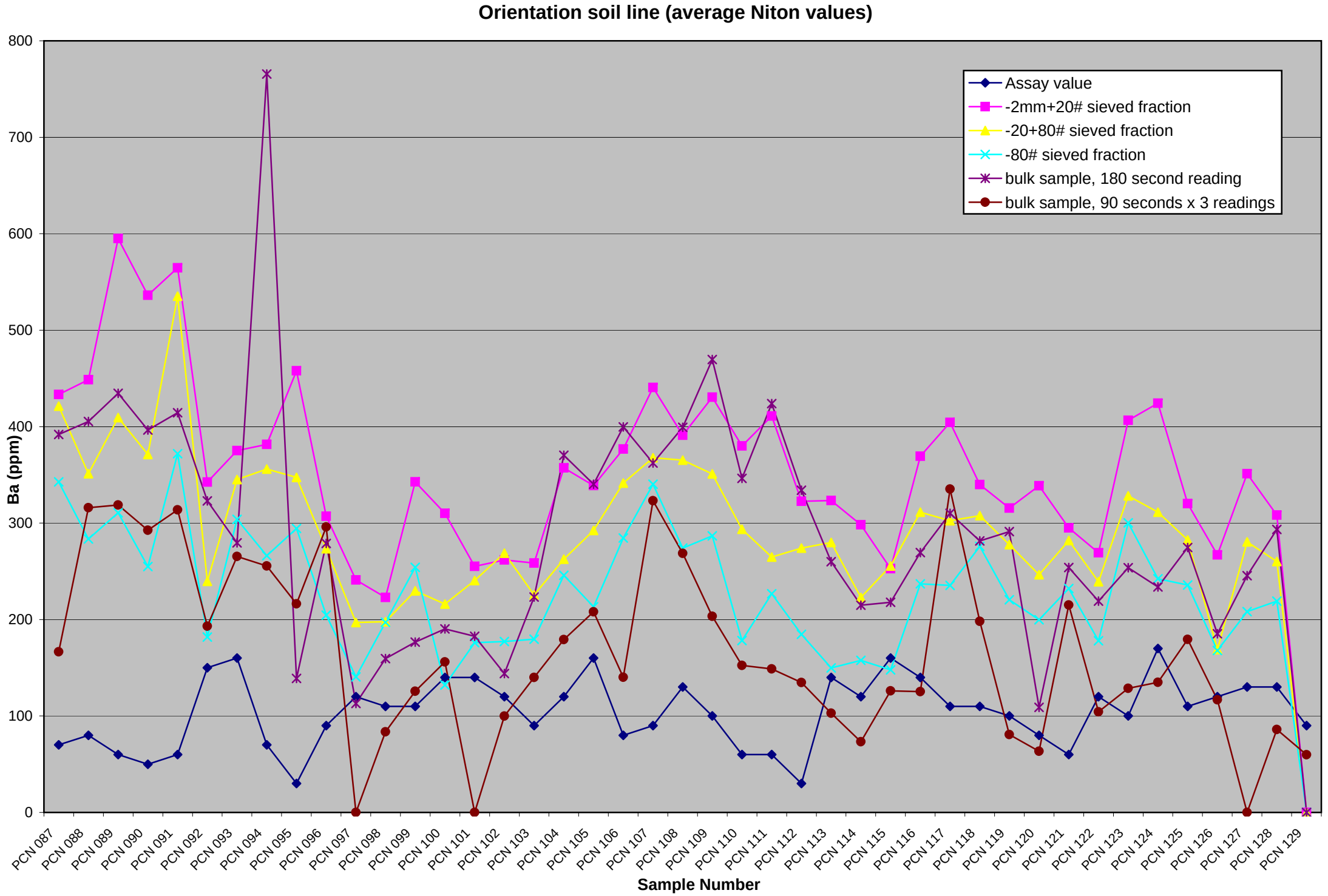
Sample Number	Difference (assay value - niton assay value)													
	As ppm	Bi ppm	Cu ppm	Fe ppm	Hg ppm	Mn ppm	Mo ppm	Pb ppm	S ppm	Sb ppm	Se ppm	Te ppm	W ppm	Zn ppm
GOWH01 00-02	3.05	NA	-15.59	5583.21	NA	NA	NA	-11.58	-22016.75	NA	NA	-51.76	NA	NA
GOWH01 02-04	-4.65	NA	NA	6066.51	NA	NA	NA	-8.64	-14610.60	-9.15	NA	-31.90	NA	NA
GOWH01 04-06	7.52	NA	NA	2474.89	NA	NA	NA	-27.55	-19307.34	NA	NA	-28.33	NA	NA
GOWH01 06-08	-1.94	NA	26.31	9572.15	NA	NA	NA	-57.33	-17025.55	-11.03	NA	-69.42	NA	NA
GOWH01 08-10	10.94	NA	-14.04	24567.54	NA	NA	5.40	-32.16	-2620.45	-13.79	-2.27	-65.57	NA	NA
GOWH01 10-12	-3.04	NA	-28.90	16015.14	NA	NA	NA	-25.26	-18651.14	NA	1.10	-74.04	NA	NA
GOWH01 12-14	-2.85	NA	-22.42	19721.39	NA	NA	NA	-18.67	-20267.66	NA	4.77	NA	NA	NA
GOWH01 14-16	-9.05	NA	-16.20	11892.34	NA	NA	NA	-11.48	-20262.84	NA	NA	NA	NA	NA
GOWH01 16-18	-3.80	NA	-5.17	18037.66	NA	NA	NA	-11.29	-18582.97	NA	NA	NA	NA	NA
GOWH01 18-20	-3.62	NA	-27.33	10626.56	NA	NA	NA	-4.46	-33521.88	NA	2.90	NA	NA	NA
GOWH01 20-22	-2.72	NA	5.96	14270.29	NA	NA	-2.76	-0.24	-23551.08	NA	NA	NA	NA	NA
GOWH01 22-24	13.64	NA	-0.03	24172.57	NA	NA	NA	-21.28	-29774.24	-13.85	3.10	-34.50	NA	NA
GOWH01 24-26	-2.78	NA	-19.14	12148.11	NA	NA	NA	-9.98	-20486.23	NA	1.80	-29.95	NA	NA
GOWH01 26-28	-3.47	NA	6.62	13715.53	NA	NA	NA	-11.76	-24221.91	-20.04	2.03	NA	NA	NA
GOWH01 28-30	3.74	NA	13.42	22578.70	NA	NA	NA	-0.69	-5599.45	NA	7.97	-60.76	NA	NA
GOWH01 30-32	2.36	NA	64.23	31865.56	NA	NA	NA	4.52	16261.39	-29.69	NA	-89.57	NA	-0.17
GOWH01 32-34	1.57	NA	21.34	17266.24	NA	NA	NA	-6.87	-637.43	NA	4.52	-73.34	NA	-6.81
GOWH01 34-36	4.39	NA	48.97	22336.68	NA	NA	NA	-2.73	33979.78	-12.44	7.90	-83.33	NA	0.73
GOWH01 36-38	-5.88	NA	10.46	20279.74	NA	NA	NA	NA	31395.12	-15.89	1.35	-81.43	NA	18.79
GOWH01 38-40	5.00	NA	29.70	26618.15	NA	NA	NA	3.13	31438.59	-20.18	-0.94	-40.30	NA	12.99
GOWH01 40-42	0.12	NA	29.79	25533.25	NA	NA	NA	NA	35257.98	-13.48	NA	-34.89	NA	2.41
GOWH01 42-44	-2.55	NA	0.91	8981.00	NA	NA	NA	-2.98	-2276.92	NA	NA	-23.13	NA	NA
GOWH01 44-46	-7.01	NA	13.38	6847.49	NA	NA	NA	2.06	-12111.73	NA	NA	NA	NA	NA
GOWH01 46-48	3.30	NA	1.87	15300.37	NA	NA	-2.02	-2.16	8234.20	NA	NA	NA	NA	NA
GOWH01 48-50	4.30	NA	20.72	35718.95	NA	NA	NA	0.37	42159.23	NA	5.56	-30.89	NA	3.28
GOWH01 50-52	16.94	NA	44.78	33247.18	NA	NA	NA	-9.59	60842.56	-12.96	7.66	-115.54	NA	7.55
GOWH01 52-54	2.98	NA	17.47	13717.19	NA	NA	NA	-6.52	18420.13	NA	NA	NA	NA	-9.12
GOWH01 54-56	-2.15	NA	18.42	3380.58	NA	NA	NA	3.20	-10378.90	NA	NA	NA	NA	-6.32
GOWH01 56-58	6.61	NA	10.54	14166.05	NA	478.61	-1.61	-0.19	-9377.75	NA	NA	-100.89	NA	35.01
GOWH01 58-60	3.43	NA	4.49	13489.68	NA	438.24	NA	5.77	-21389.26	-9.86	NA	-68.17	NA	32.10

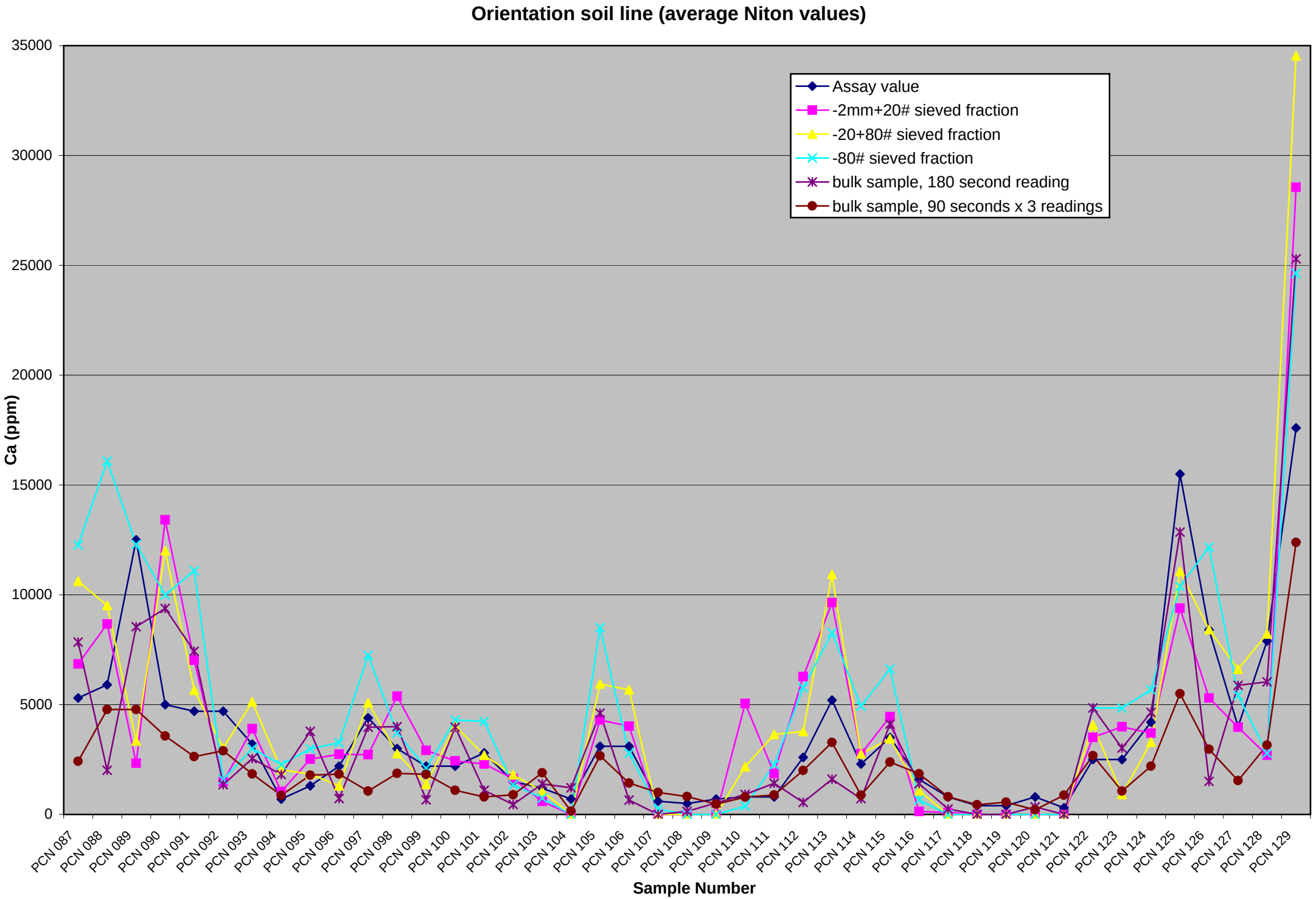
Sample Number	Difference (as % of assay value)													
	As	Bi	Cu	Fe	Hg	Mn	Mo	Pb	S	Sb	Se	Te	W	Zn
GOWH01 00-02	9.54	NA	-70.86	18.25	NA	NA	NA	-144.79	-328.61	NA	NA	-19907.69	NA	NA
GOWH01 02-04	-23.25	NA	NA	31.60	NA	NA	NA	-216.00	-143.24	-3811.11	NA	-53166.67	NA	NA
GOWH01 04-06	57.87	NA	NA	20.12	NA	NA	NA	-393.52	-197.01	NA	NA	-40476.19	NA	NA
GOWH01 06-08	-5.89	NA	50.59	20.07	NA	NA	NA	-286.67	-405.37	-3063.89	NA	-8465.45	NA	NA
GOWH01 08-10	22.32	NA	-18.97	28.67	NA	NA	38.60	-91.88	-63.91	-2189.42	-16.97	-3262.35	NA	NA
GOWH01 10-12	-6.76	NA	-107.05	34.97	NA	NA	NA	-168.38	-454.91	NA	16.42	-8136.26	NA	NA
GOWH01 12-14	-9.84	NA	-48.75	34.84	NA	NA	NA	-155.56	-440.60	NA	61.95	NA	NA	NA
GOWH01 14-16	-22.07	NA	-70.43	27.09	NA	NA	NA	-60.42	-562.86	NA	NA	NA	NA	NA
GOWH01 16-18	-14.06	NA	-16.16	44.65	NA	NA	NA	-125.41	-714.73	NA	NA	NA	NA	NA
GOWH01 18-20	-15.07	NA	-97.62	30.02	NA	NA	NA	-63.71	-1047.56	NA	45.31	NA	NA	NA
GOWH01 20-22	-11.35	NA	12.42	27.29	NA	NA	-275.67	-4.87	-905.81	NA	NA	NA	NA	NA
GOWH01 22-24	26.75	NA	-0.14	33.90	NA	NA	NA	-354.67	-744.36	-3552.14	16.77	-1864.68	NA	NA
GOWH01 24-26	-11.60	NA	-91.16	26.41	NA	NA	NA	-124.75	-819.45	NA	22.54	-2395.73	NA	NA
GOWH01 26-28	-21.67	NA	27.60	37.58	NA	NA	NA	-98.00	-968.88	-7157.14	22.77	NA	NA	NA
GOWH01 28-30	12.47	NA	10.82	49.73	NA	NA	NA	-5.28	-14.62	NA	75.19	-3971.02	NA	NA
GOWH01 30-32	4.14	NA	21.55	51.48	NA	NA	NA	22.60	24.16	-4241.90	NA	-4166.05	NA	-1.93
GOWH01 32-34	4.13	NA	8.64	32.03	NA	NA	NA	-42.92	-1.32	NA	40.33	-3543.16	NA	-52.36
GOWH01 34-36	12.19	NA	22.88	38.71	NA	NA	NA	-27.33	52.93	-1517.07	66.95	-4553.37	NA	3.17
GOWH01 36-38	-15.09	NA	8.86	38.05	NA	NA	NA	NA	54.04	-2037.61	12.70	-3915.06	NA	17.56
GOWH01 38-40	13.17	NA	24.96	44.59	NA	NA	NA	34.78	47.42	-3203.17	-9.66	-2487.86	NA	10.56
GOWH01 40-42	0.24	NA	24.42	47.73	NA	NA	NA	NA	59.16	-1259.50	NA	-1836.49	NA	5.24
GOWH01 42-44	-15.02	NA	1.05	45.59	NA	NA	NA	-33.15	-10.54	NA	NA	-2689.53	NA	NA
GOWH01 44-46	-46.73	NA	15.38	43.07	NA	NA	NA	25.71	-67.66	NA	NA	NA	NA	NA
GOWH01 46-48	9.17	NA	1.95	46.79	NA	NA	-100.83	-19.67	22.25	NA	NA	NA	NA	NA
GOWH01 48-50	11.63	NA	16.98	55.72	NA	NA	NA	4.07	58.31	NA	45.60	-1745.39	NA	7.81
GOWH01 50-52	29.21	NA	31.10	51.07	NA	NA	NA	-68.48	70.99	-3811.76	52.80	-5475.67	NA	18.88
GOWH01 52-54	10.65	NA	18.78	46.82	NA	NA	NA	-65.23	36.55	NA	NA	NA	NA	-82.88
GOWH01 54-56	-17.89	NA	23.92	42.26	NA	NA	NA	40.04	-56.10	NA	NA	NA	NA	-52.67
GOWH01 56-58	14.37	NA	12.26	25.99	NA	36.82	-80.67	-1.33	-176.94	NA	NA	-201773.33	NA	27.14
GOWH01 58-60	7.98	NA	5.62	25.45	NA	40.58	NA	48.06	-334.21	-3179.57	NA	-56808.33	NA	31.47

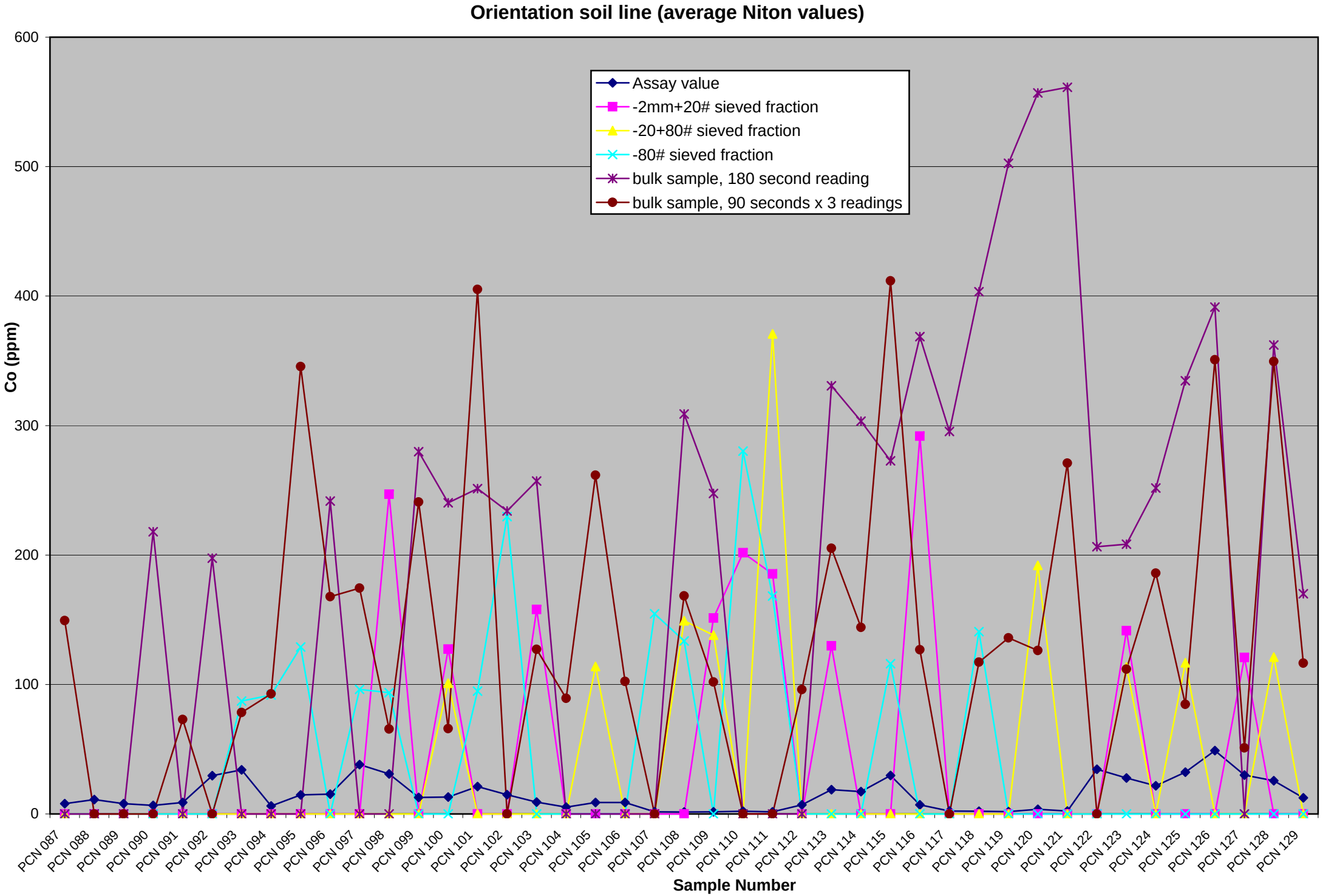
Sample Number	Maximum Niton readings													
	MaxOfAs	MaxOfBi	MaxOfCu	MaxOfFe	MaxOfHg	MaxOfMn	MaxOfMo	MaxOfPb	MaxOfS	MaxOfSb	MaxOfSe	MaxOfTe	MaxOfW	MaxOfZn
GOWH01 00-02	36.45	LOD	61.62	26344.86	LOD	LOD	LOD	21.4	34550.25	LOD	LOD	80.71	LOD	LOD
GOWH01 02-04	26.97	LOD	LOD	13232.08	LOD	LOD	LOD	22.35	30251.07	28.16	LOD	95.88	LOD	LOD
GOWH01 04-06	16.43	LOD	LOD	10236.87	LOD	LOD	LOD	41.23	34503.1	LOD	LOD	85.21	LOD	LOD
GOWH01 06-08	42.59	LOD	77.08	41264.38	LOD	LOD	LOD	94.49	23419.82	34.17	LOD	124.75	LOD	LOD
GOWH01 08-10	48.59	LOD	109.68	63427.27	LOD	LOD	13.18	79.11	20161.34	43.27	20.56	108.16	LOD	LOD
GOWH01 10-12	50.43	LOD	77.82	31968.61	LOD	LOD	LOD	45.58	25730.8	LOD	8.54	112.9	LOD	LOD
GOWH01 12-14	40.95	LOD	88.05	40199.27	LOD	LOD	LOD	32.53	33661.39	LOD	8.79	LOD	LOD	LOD
GOWH01 14-16	50.79	LOD	67.19	33545.37	LOD	LOD	LOD	37.24	32716.19	LOD	LOD	LOD	LOD	LOD
GOWH01 16-18	35.12	LOD	57.78	24785.15	LOD	LOD	LOD	21.96	23354.16	LOD	LOD	LOD	LOD	LOD
GOWH01 18-20	33.5	LOD	68.53	27146.35	LOD	LOD	LOD	18.37	39182.34	LOD	10.5	LOD	LOD	LOD
GOWH01 20-22	28.07	LOD	67.64	38809.83	LOD	LOD	11.27	15.73	32200.86	LOD	LOD	LOD	LOD	LOD
GOWH01 22-24	39.72	LOD	72.1	51482.25	LOD	LOD	LOD	34.52	51815.32	42.73	19.4	109.04	LOD	LOD
GOWH01 24-26	30.38	LOD	61.58	37778.72	LOD	LOD	LOD	20.38	24152.32	LOD	10.62	93.59	LOD	LOD
GOWH01 26-28	21.78	LOD	52.13	24013.76	LOD	LOD	LOD	25.16	31181.13	31.54	11.44	LOD	LOD	LOD
GOWH01 28-30	30.32	LOD	116.65	23703.5	LOD	LOD	LOD	22.71	48263.46	LOD	7.89	98.33	LOD	LOD
GOWH01 30-32	59.46	LOD	262.72	32303.16	LOD	LOD	LOD	24.97	60602.58	45.72	LOD	174.43	LOD	27.52
GOWH01 32-34	44.05	LOD	239.33	37212.07	LOD	LOD	LOD	27.1	51188.71	LOD	10.24	139.37	LOD	30.18
GOWH01 34-36	34.41	LOD	172.86	38306.34	LOD	LOD	LOD	21.09	34307.66	39.78	11.7	128.43	LOD	38.54
GOWH01 36-38	48.86	LOD	108.71	33710.39	LOD	LOD	LOD	LOD	30616.03	50.02	9.44	130.83	LOD	115.67
GOWH01 38-40	40.5	LOD	106.32	34374.57	LOD	LOD	LOD	17.61	36428.9	31.52	12.33	125.77	LOD	133.41
GOWH01 40-42	54.32	LOD	127.56	28393.71	LOD	LOD	LOD	LOD	34556.06	43.64	LOD	110.38	LOD	55.66
GOWH01 42-44	21.65	LOD	106.34	10786.04	LOD	LOD	LOD	19.01	29664.62	LOD	LOD	71.97	LOD	LOD
GOWH01 44-46	25.04	LOD	95.8	9151.94	LOD	LOD	LOD	17.83	31731.38	LOD	LOD	LOD	LOD	LOD
GOWH01 46-48	36.82	LOD	97.75	19269.69	LOD	LOD	12.05	22.16	33831.23	LOD	LOD	LOD	LOD	LOD
GOWH01 48-50	37.5	LOD	112.37	30566.11	LOD	LOD	LOD	25.9	33710.86	LOD	10.19	97.99	LOD	51.63
GOWH01 50-52	49.9	LOD	109.79	33940.23	LOD	LOD	LOD	24.32	31021.6	39.9	10.46	154.79	LOD	51.34
GOWH01 52-54	30.87	LOD	88.02	16596.3	LOD	LOD	LOD	17.39	36206.03	LOD	LOD	LOD	LOD	34.84
GOWH01 54-56	16.11	LOD	67.74	4914.56	LOD	LOD	LOD	14.39	33353.16	LOD	LOD	LOD	LOD	34.18
GOWH01 56-58	49.26	LOD	100.2	44933.09	LOD	917.15	10.84	23.7	24244.7	LOD	LOD	166.88	LOD	107.25
GOWH01 58-60	45.42	LOD	95.98	42977.73	LOD	738.56	LOD	18.7	30729.67	30.5	LOD	103.05	LOD	80.78

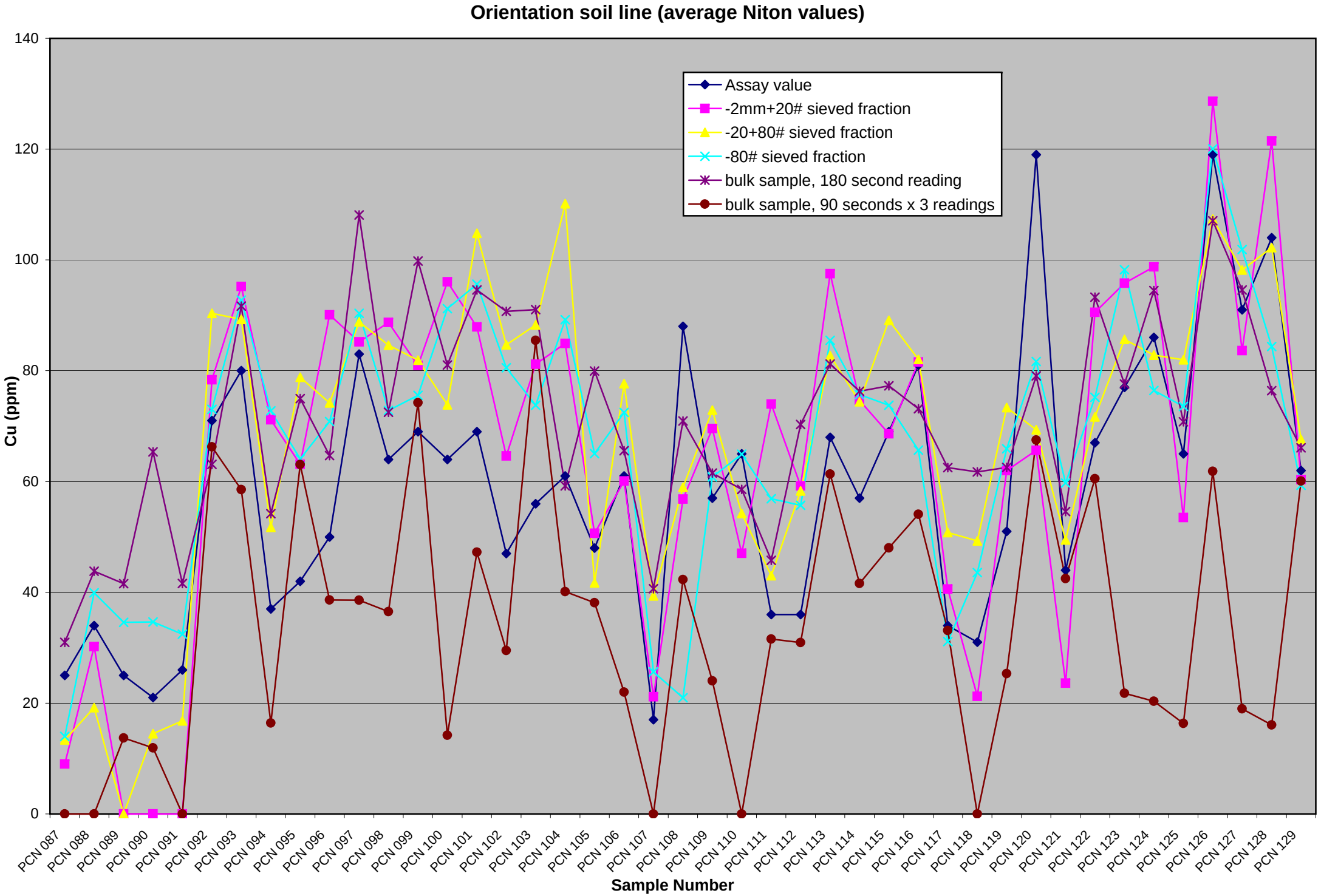
APPENDIX III

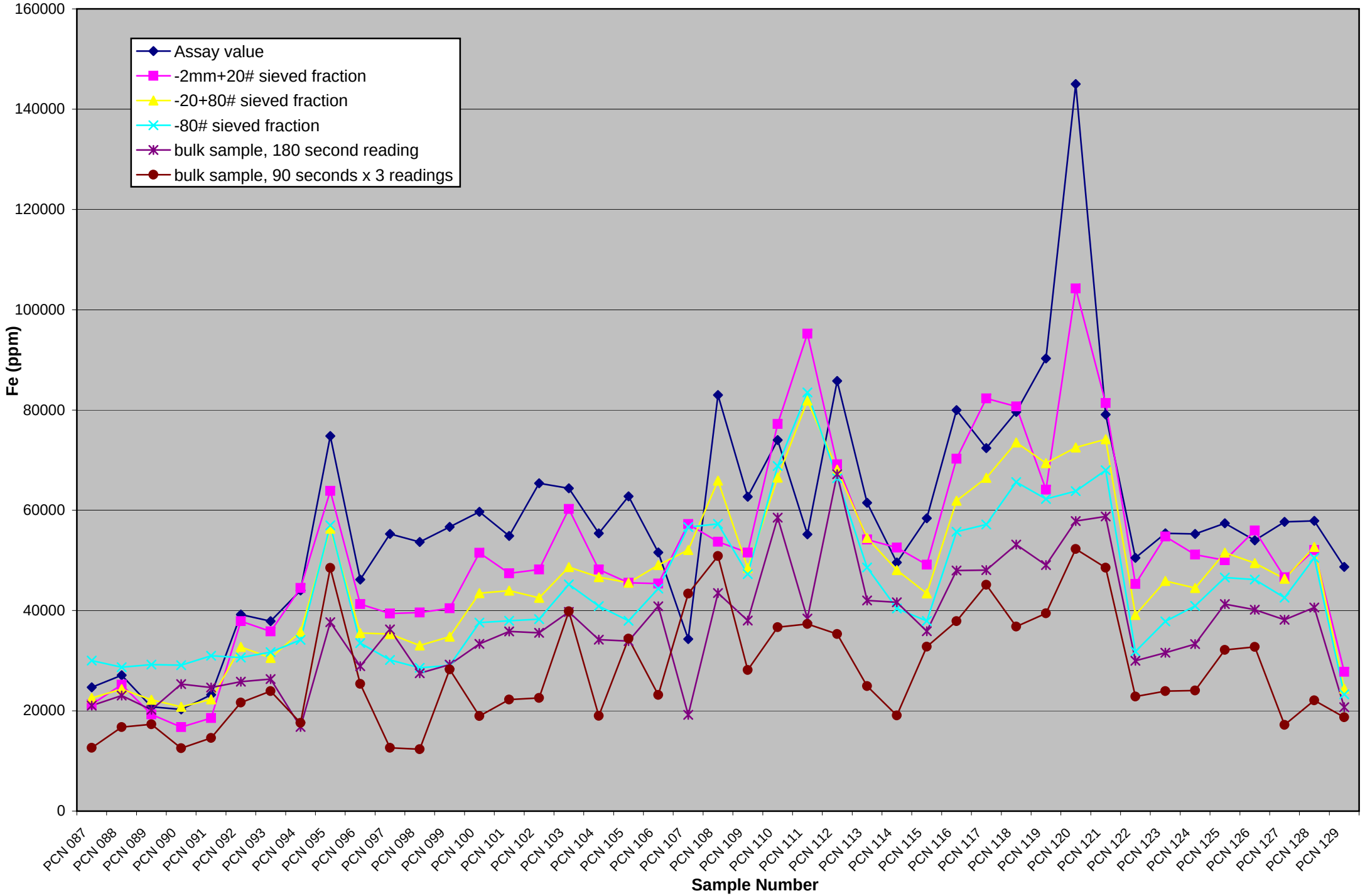

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
As (ppm)
250
200
150
100
50
0
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

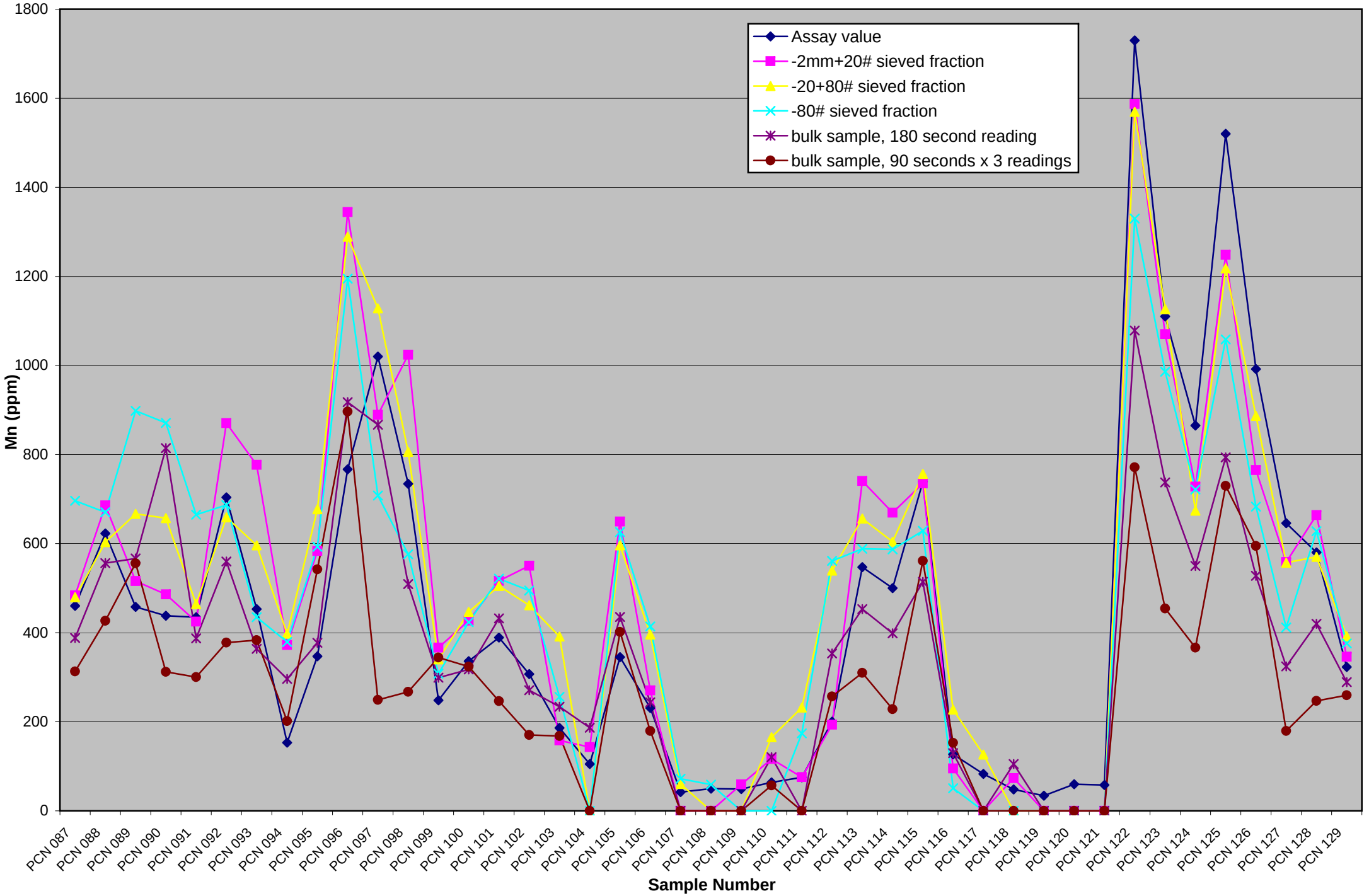

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Ba (ppm)
0
100
200
300
400
500
600
700
800
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

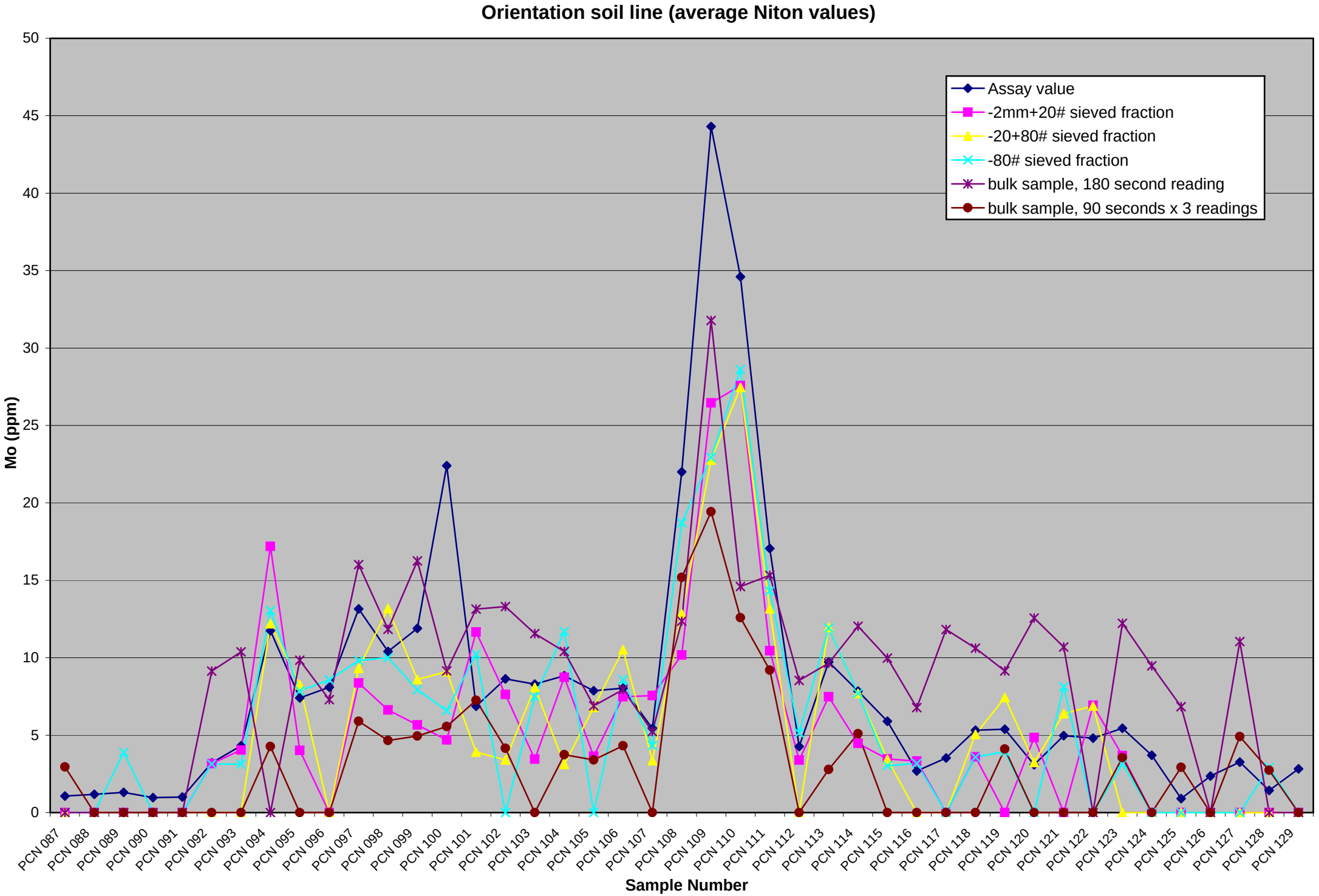

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Ca (ppm)
35000
30000
25000
20000
15000
10000
5000
0
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

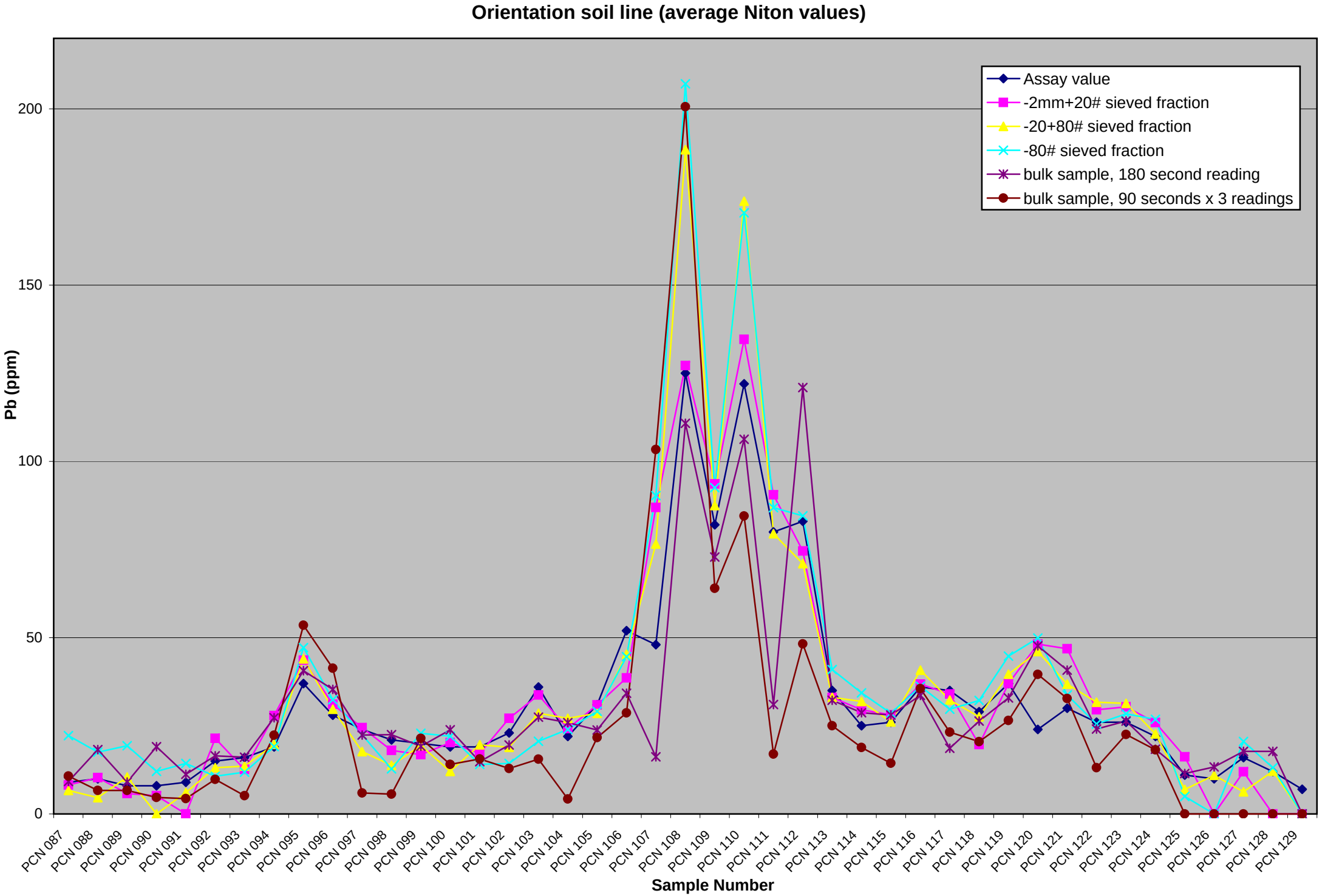

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Co (ppm)
600
500
400
300
200
100
0
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

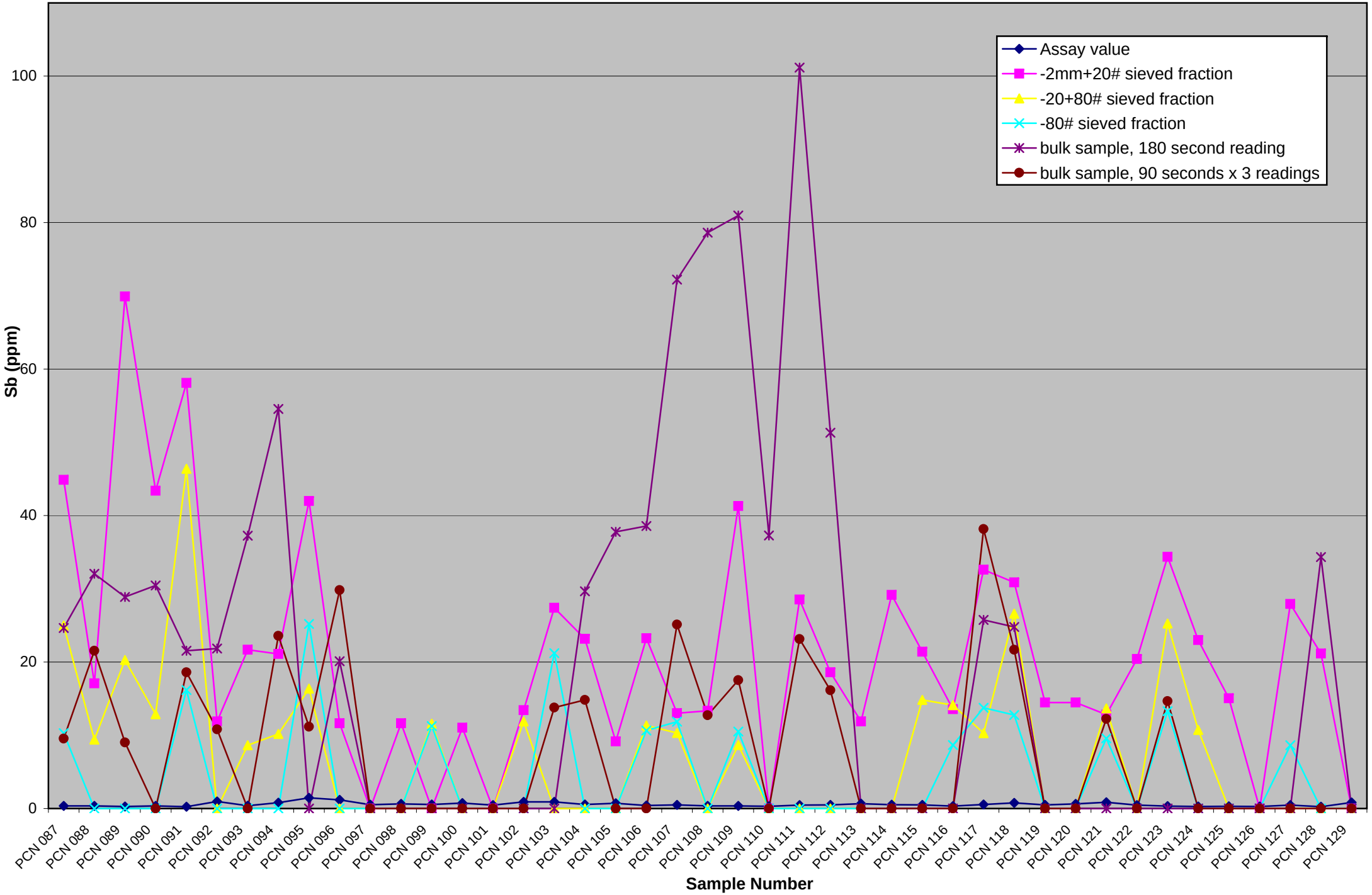

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Cu (ppm)
Sample Number
0
20
40
60
80
100
120
140
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129

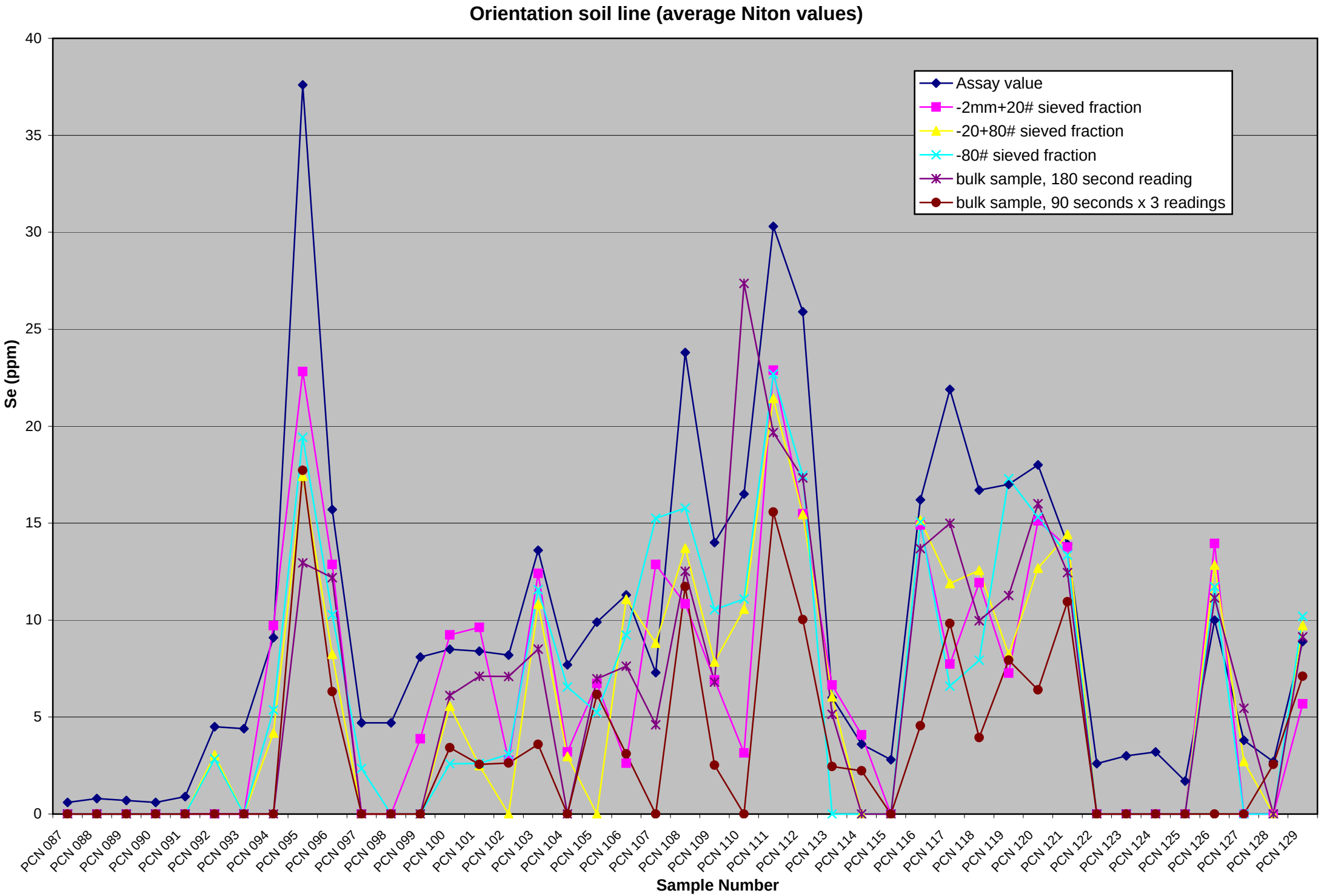

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Fe (ppm)
160000
140000
120000
100000
80000
60000
40000
20000
0
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

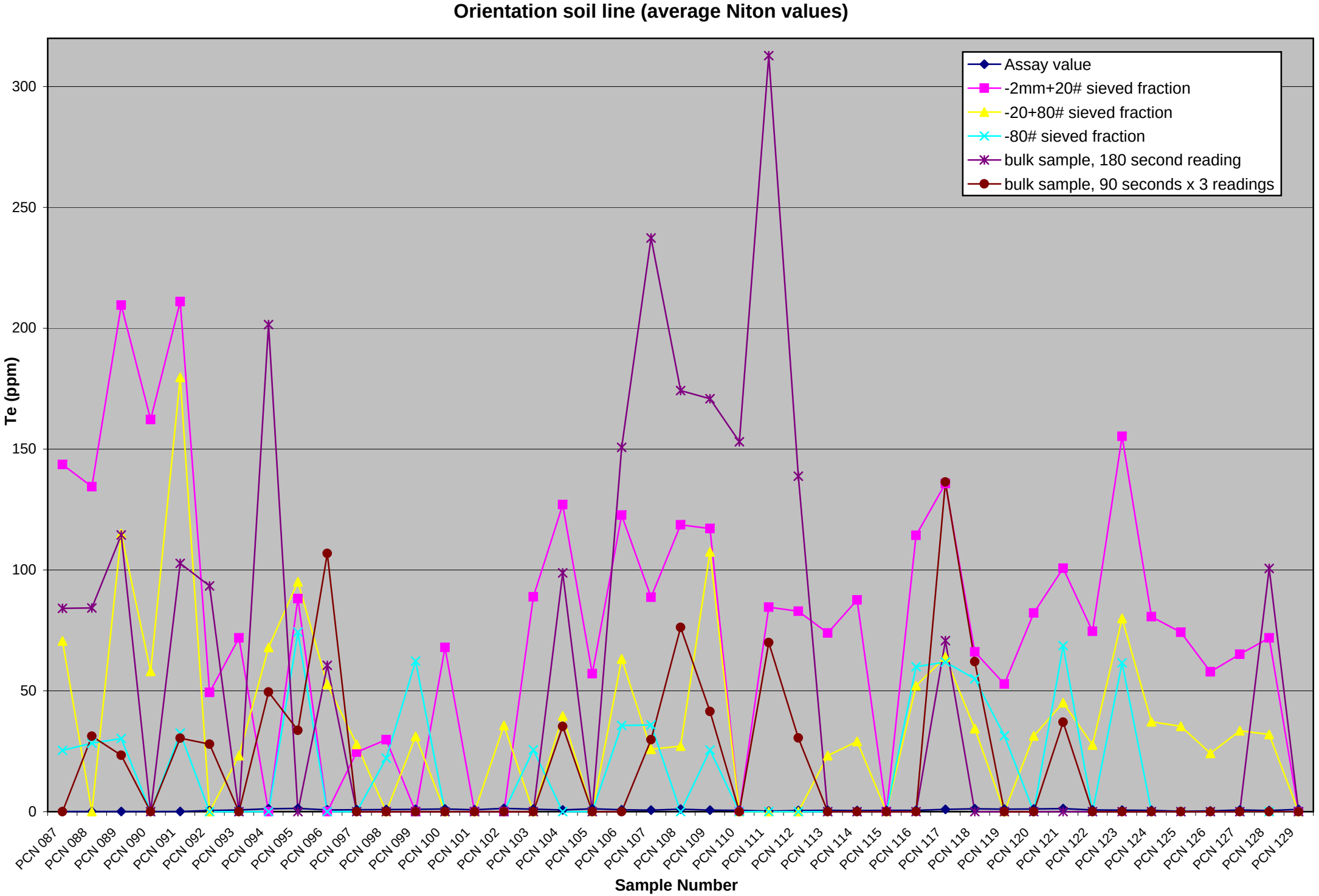

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Mn (ppm)
1800
1600
1400
1200
1000
800
600
400
200
0
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

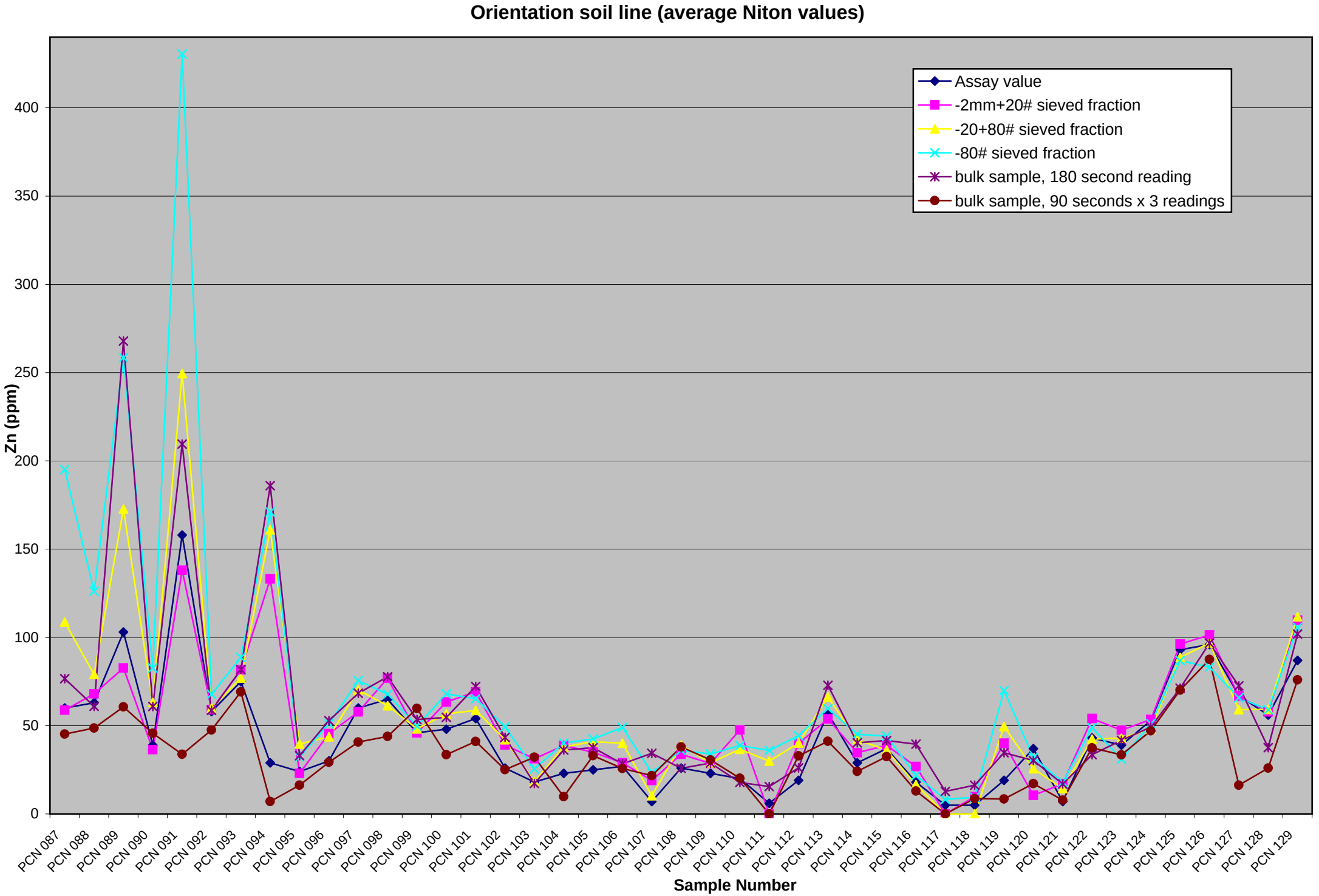

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Mo (ppm)
Sample Number
0
5
10
15
20
25
30
35
40
45
50
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129

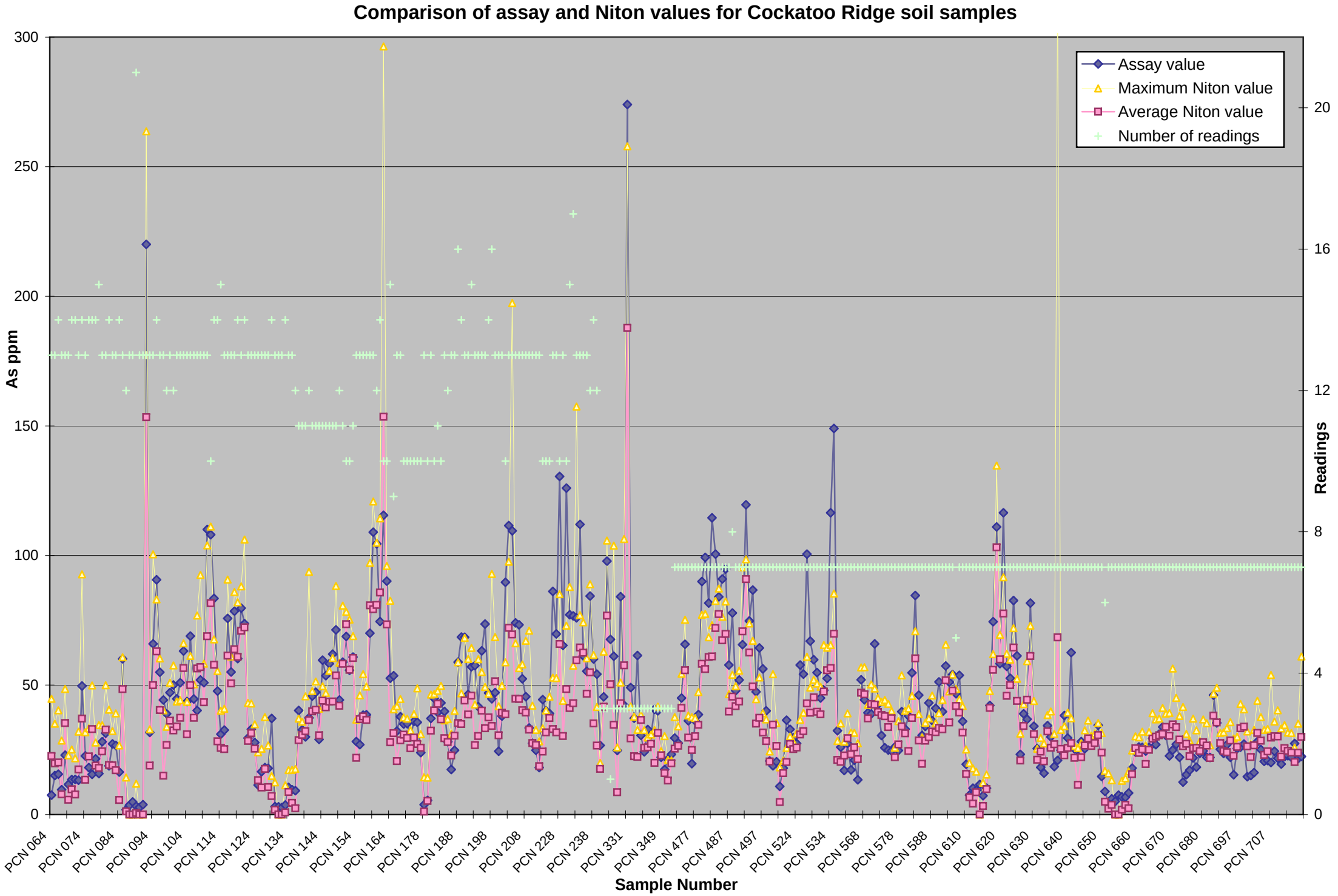

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Pb (ppm)
0
50
100
150
200
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

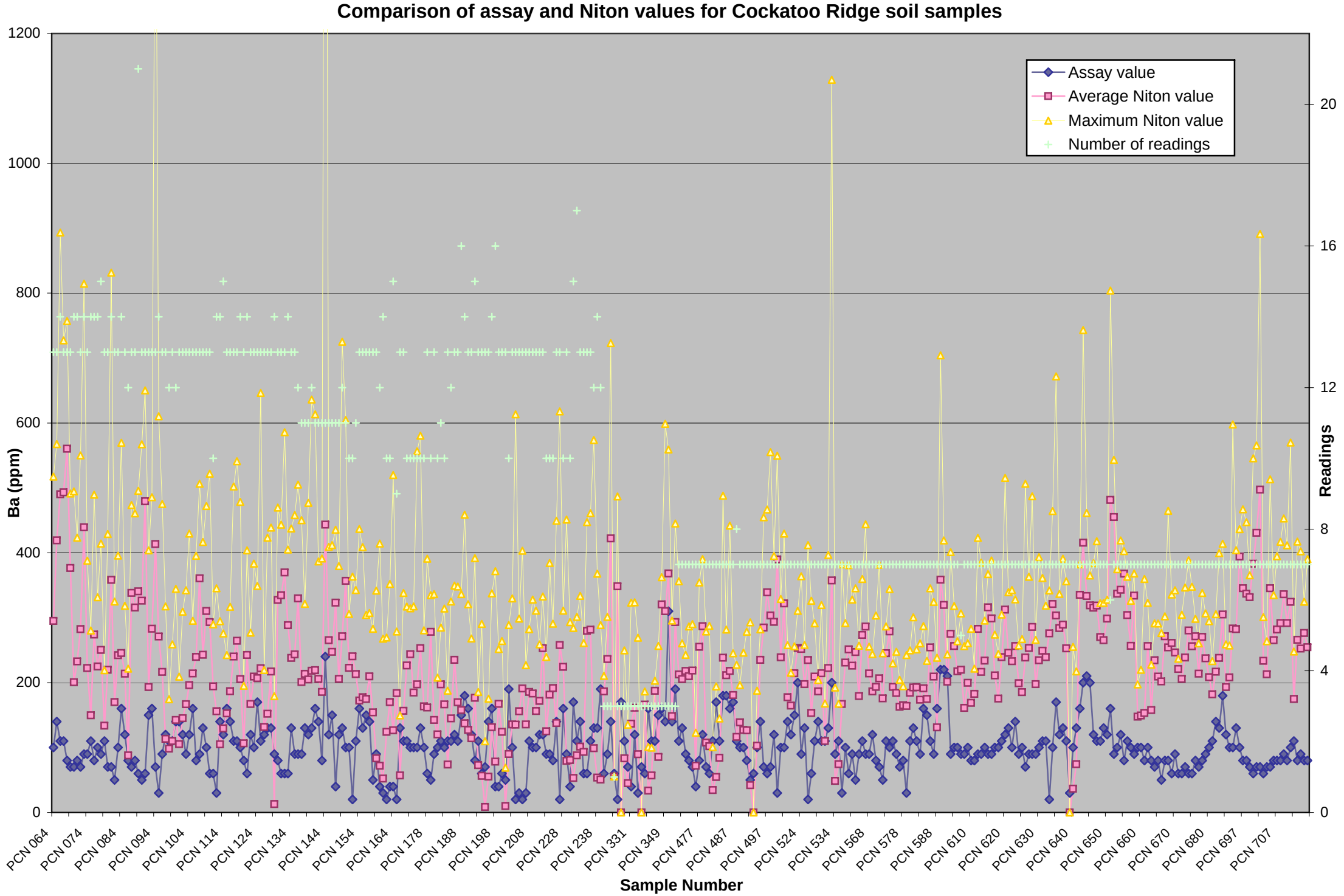

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Sb (ppm)
0
20
40
60
80
100
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

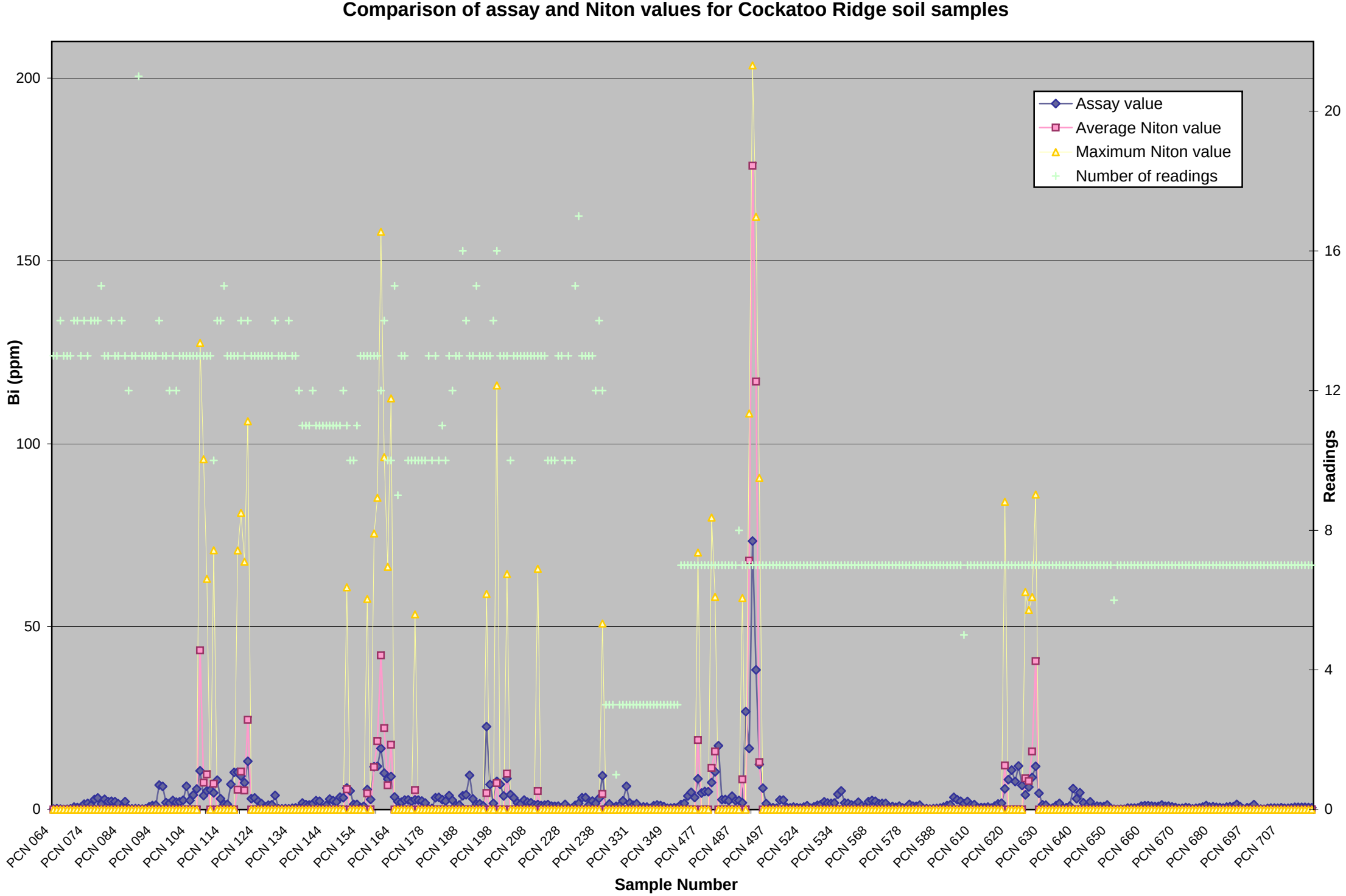

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Se (ppm)
Sample Number
0
5
10
15
20
25
30
35
40
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129

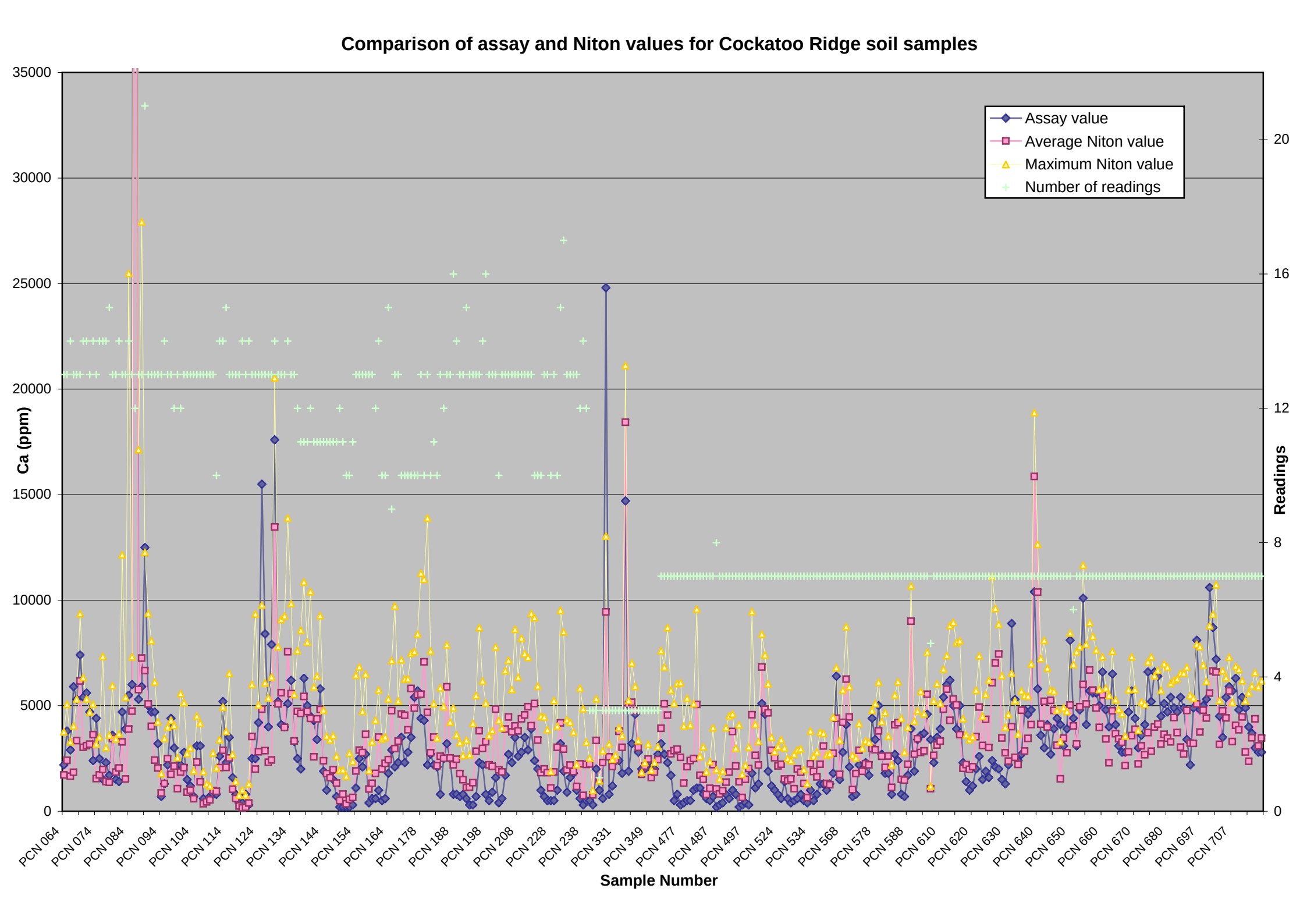

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Te (ppm)
0
50
100
150
200
250
300
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

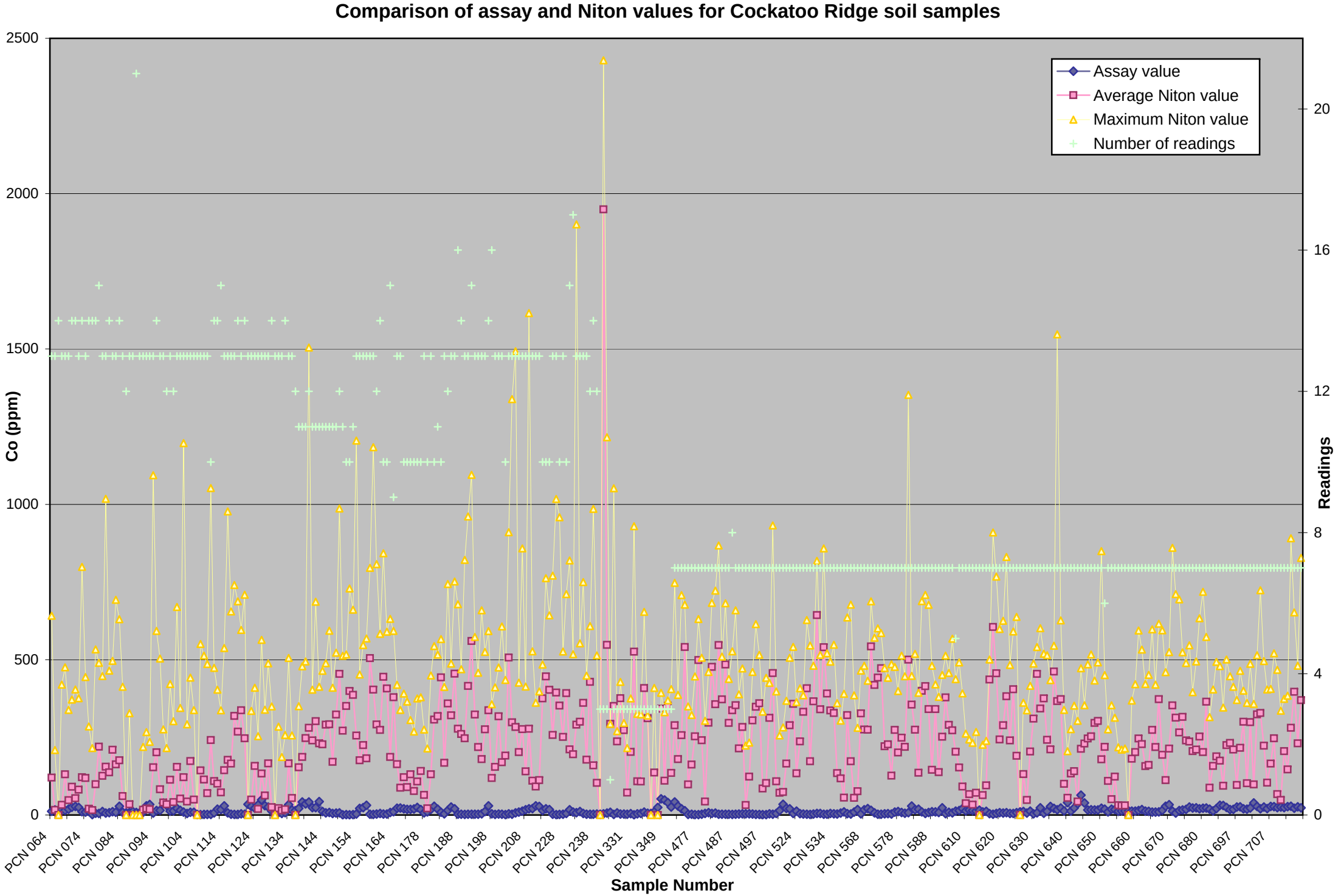

Orientation soil line (average Niton values)
Assay value
-2mm+20# sieved fraction
-20+80# sieved fraction
-80# sieved fraction
bulk sample, 180 second reading
bulk sample, 90 seconds x 3 readings
Zn (ppm)
0
50
100
150
200
250
300
350
400
PCN 087
PCN 088
PCN 089
PCN 090
PCN 091
PCN 092
PCN 093
PCN 094
PCN 095
PCN 096
PCN 097
PCN 098
PCN 099
PCN 100
PCN 101
PCN 102
PCN 103
PCN 104
PCN 105
PCN 106
PCN 107
PCN 108
PCN 109
PCN 110
PCN 111
PCN 112
PCN 113
PCN 114
PCN 115
PCN 116
PCN 117
PCN 118
PCN 119
PCN 120
PCN 121
PCN 122
PCN 123
PCN 124
PCN 125
PCN 126
PCN 127
PCN 128
PCN 129
Sample Number

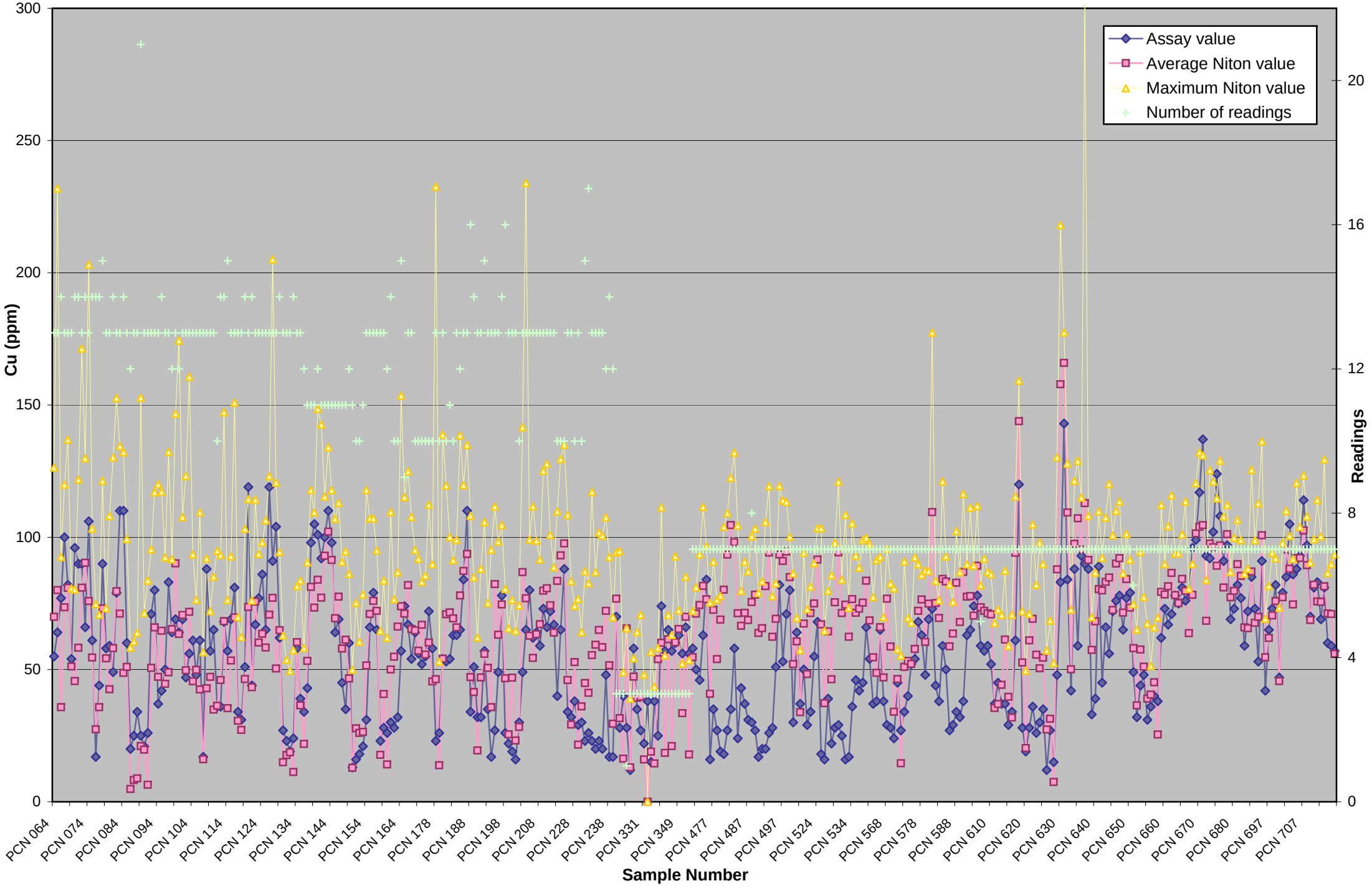

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Maximum Niton value
Average Niton value
Number of readings
As ppm
Readings
Sample Number
300
250
200
150
100
50
0
20
16
12
8
4
0
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

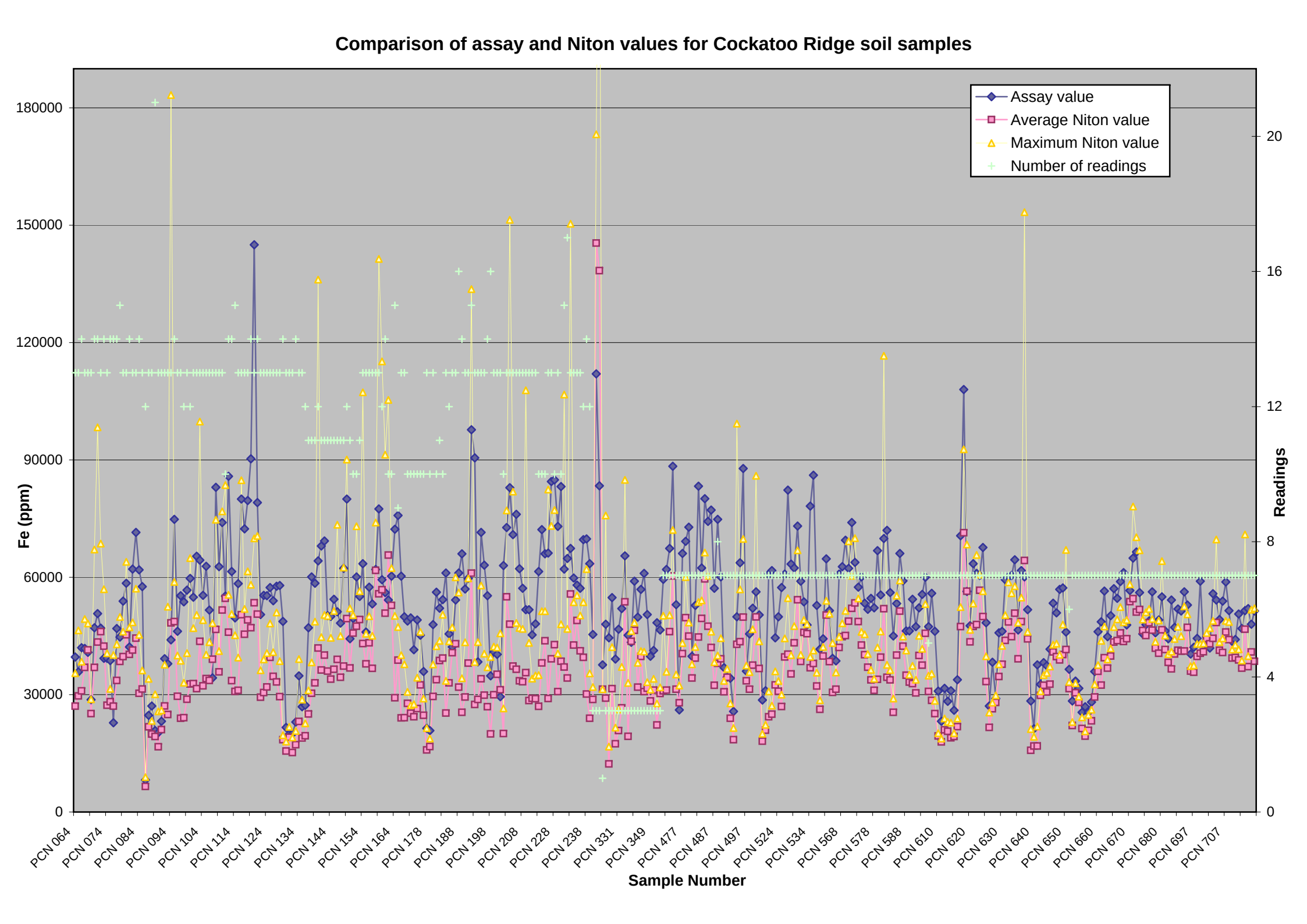

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Ba (ppm)
Readings
Sample Number
0
200
400
600
800
1000
1200
0
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

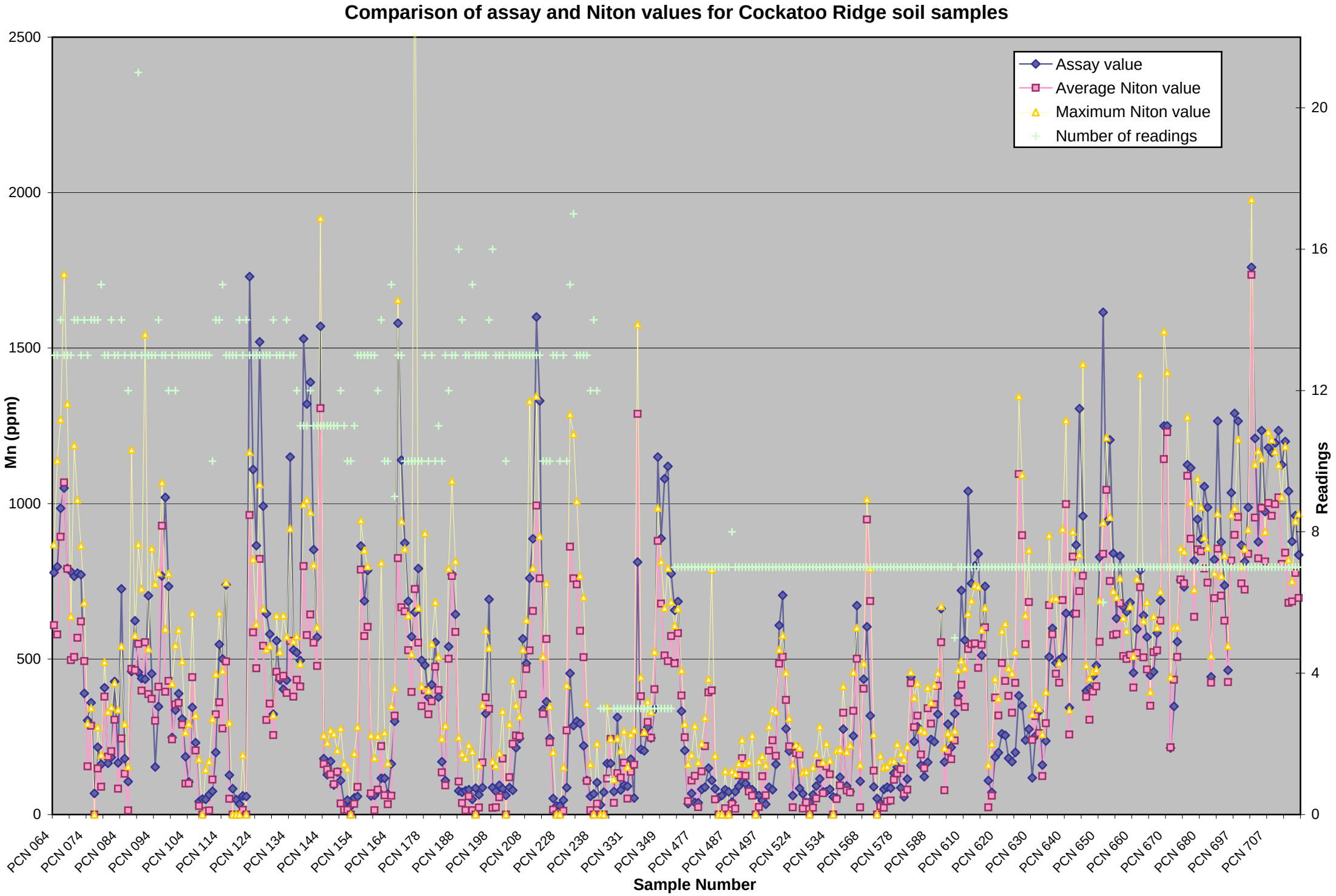

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Bi (ppm)
Readings
Sample Number
0
50
100
150
200
0
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

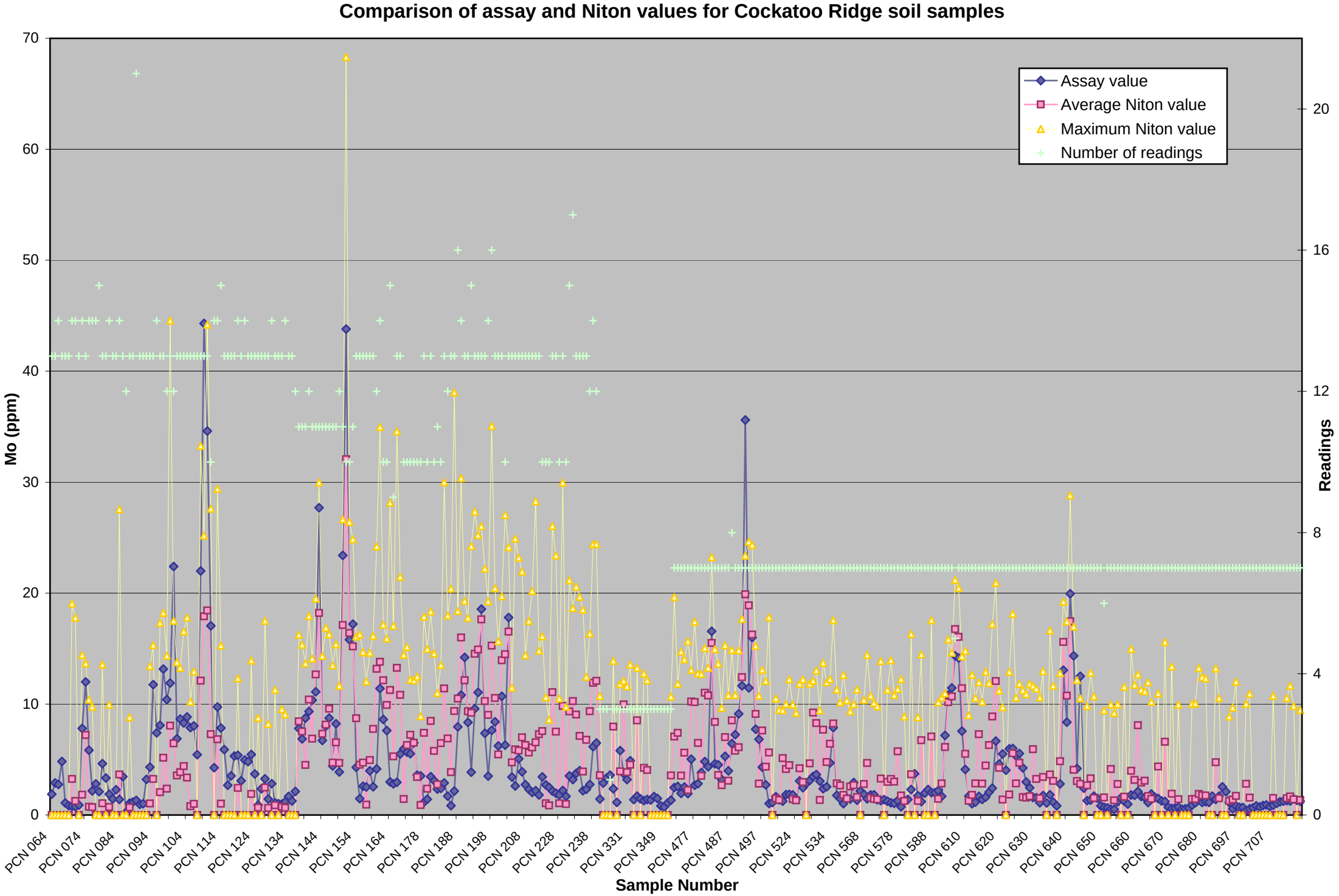

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Ca (ppm)
Readings
Sample Number
0
5000
10000
15000
20000
25000
30000
35000
0
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

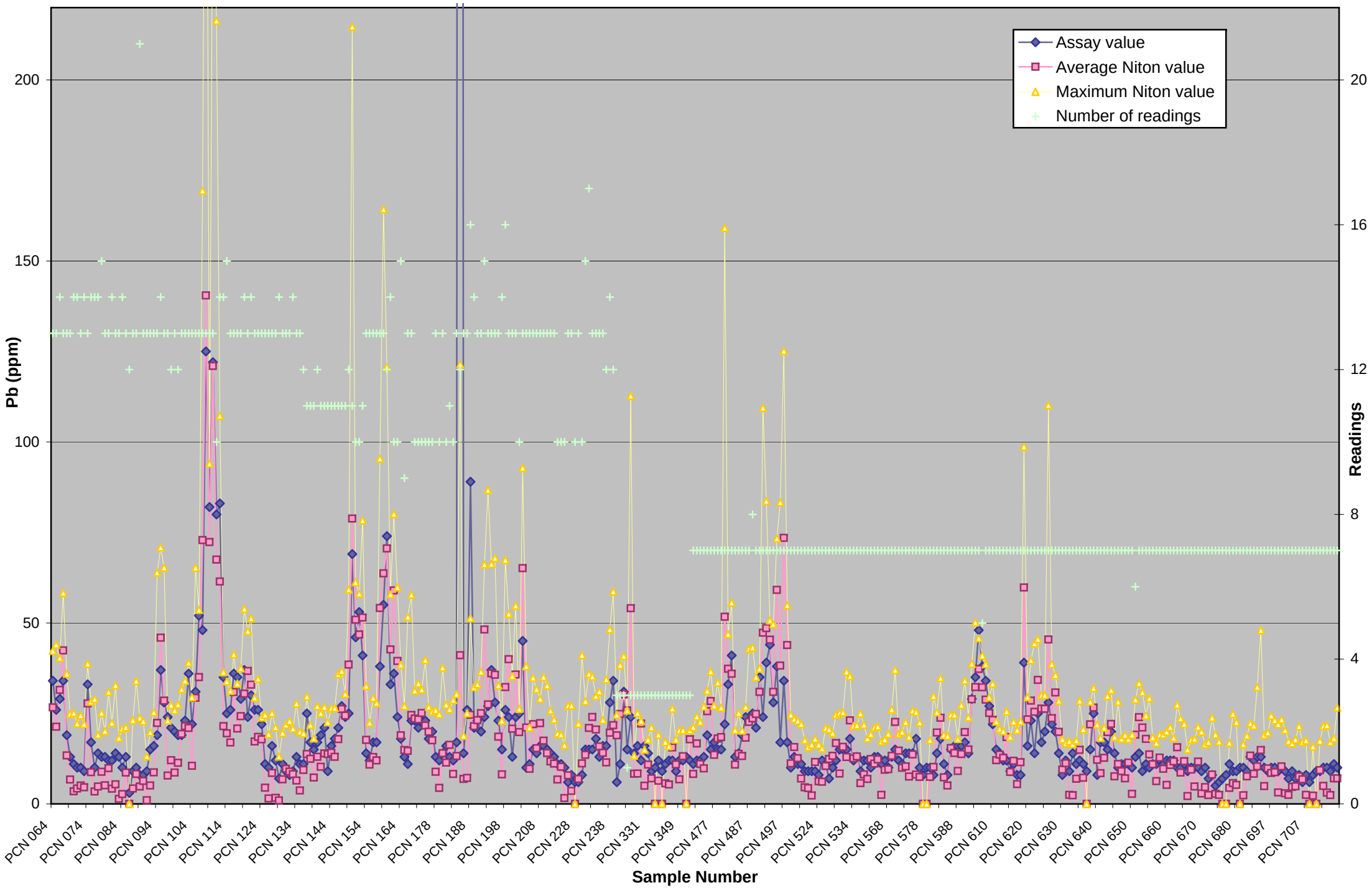

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Co (ppm)
Readings
Sample Number
2500
2000
1500
1000
500
0
20
16
12
8
4
0
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

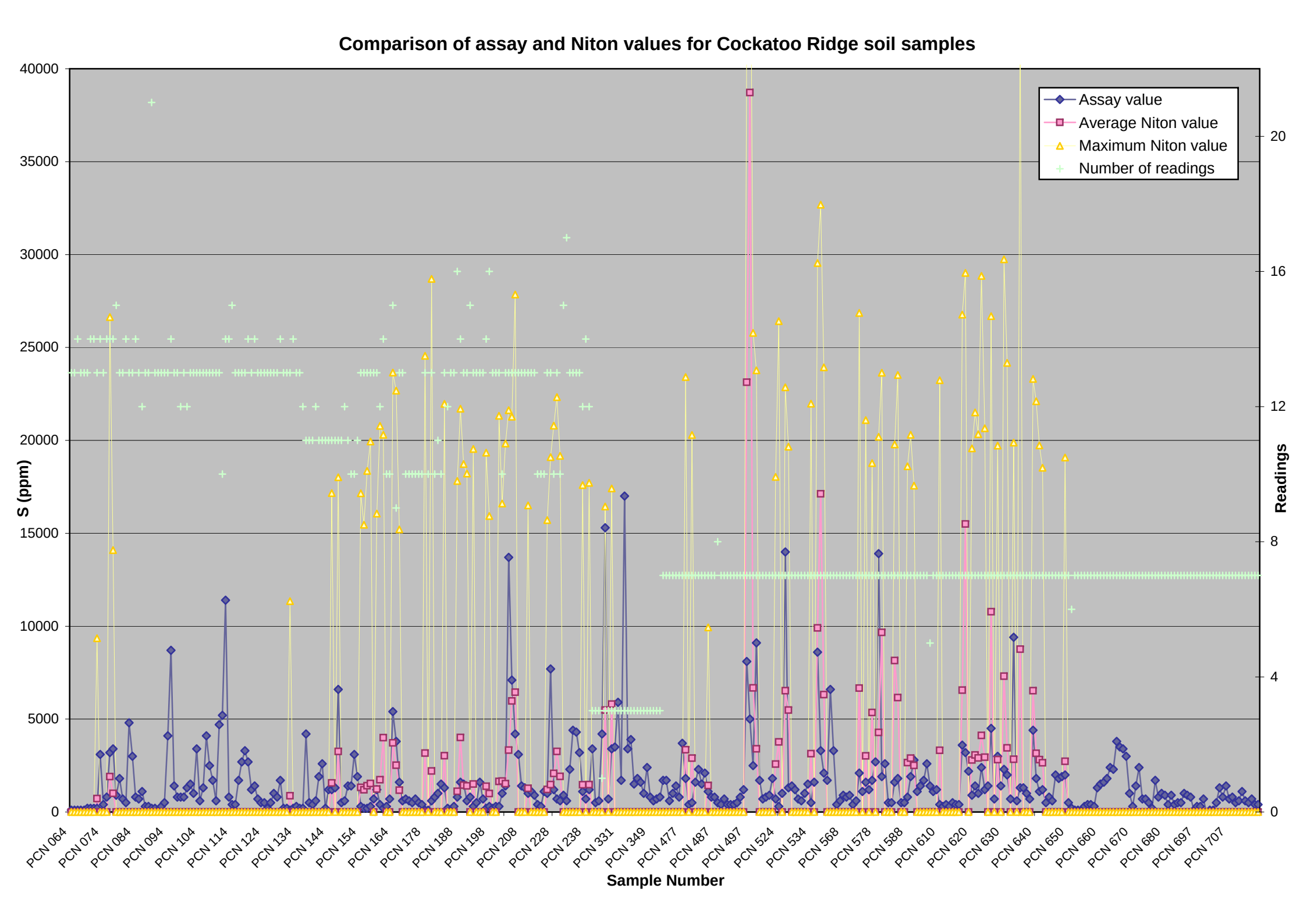

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Cu (ppm)
Readings
Sample Number
300
250
200
150
100
50
0
20
16
12
8
4
0
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

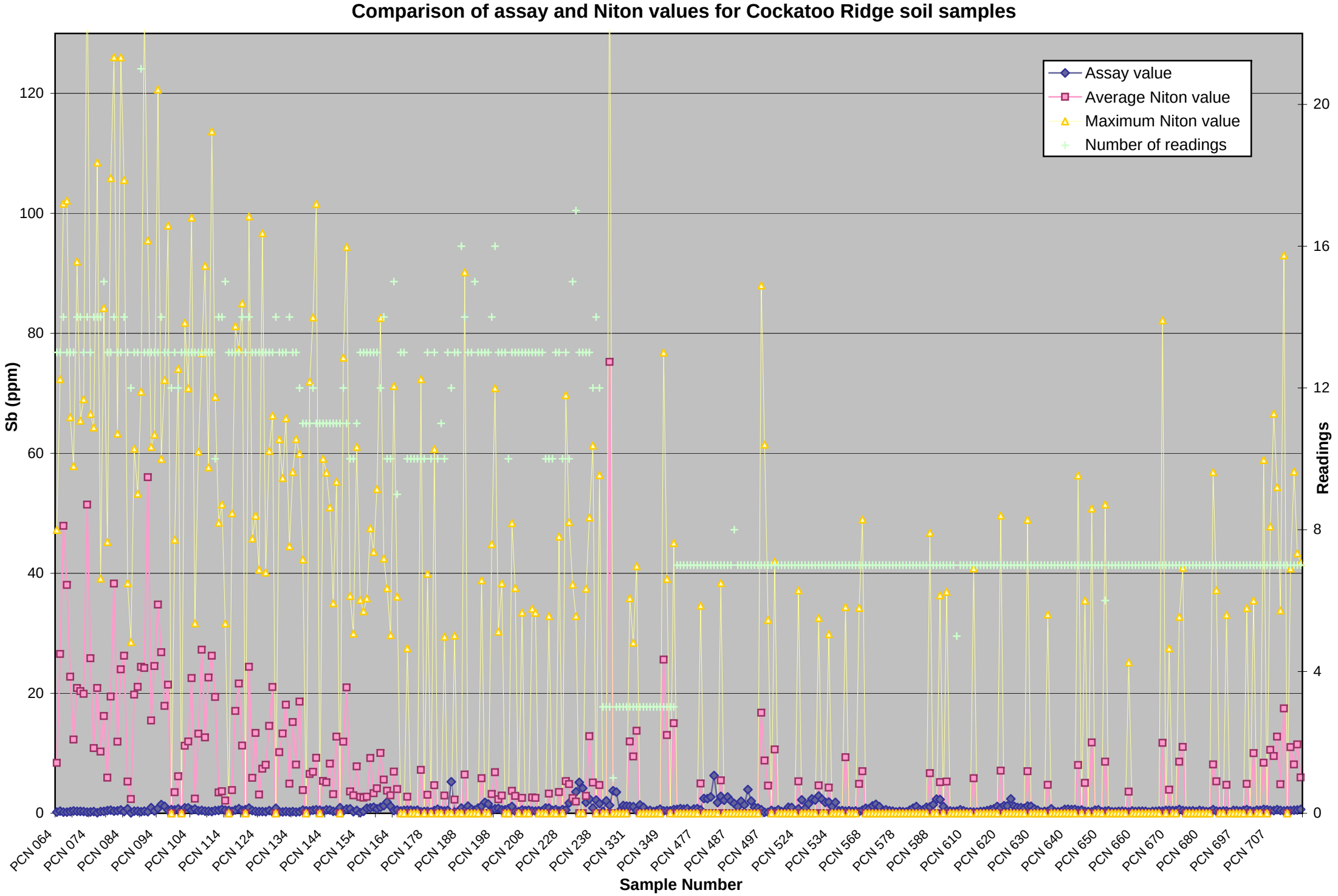

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Fe (ppm)
Readings
Sample Number
0
30000
60000
90000
120000
150000
180000
0
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

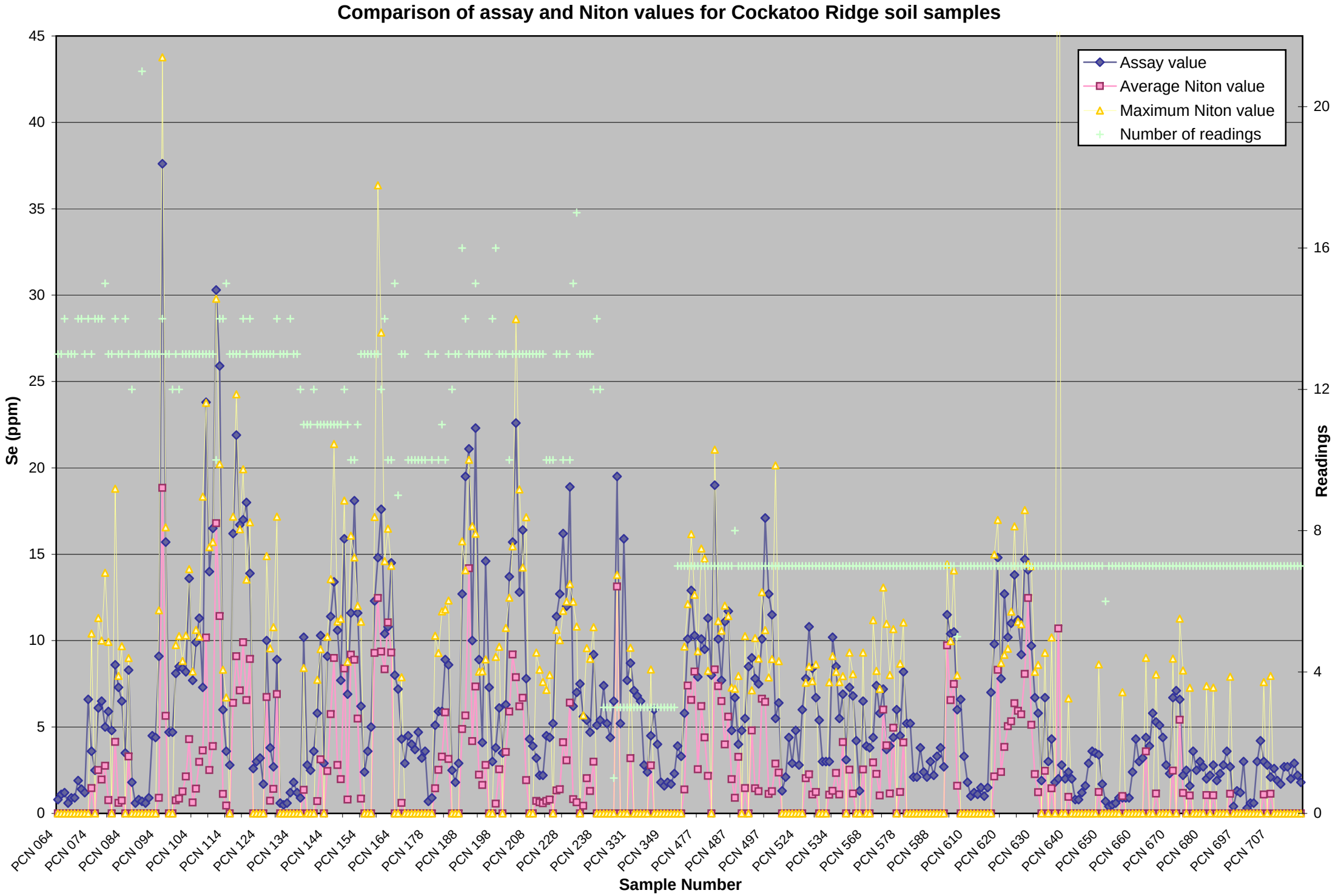

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Mn (ppm)
Readings
Sample Number
2500
2000
1500
1000
500
0
20
16
12
8
4
0
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

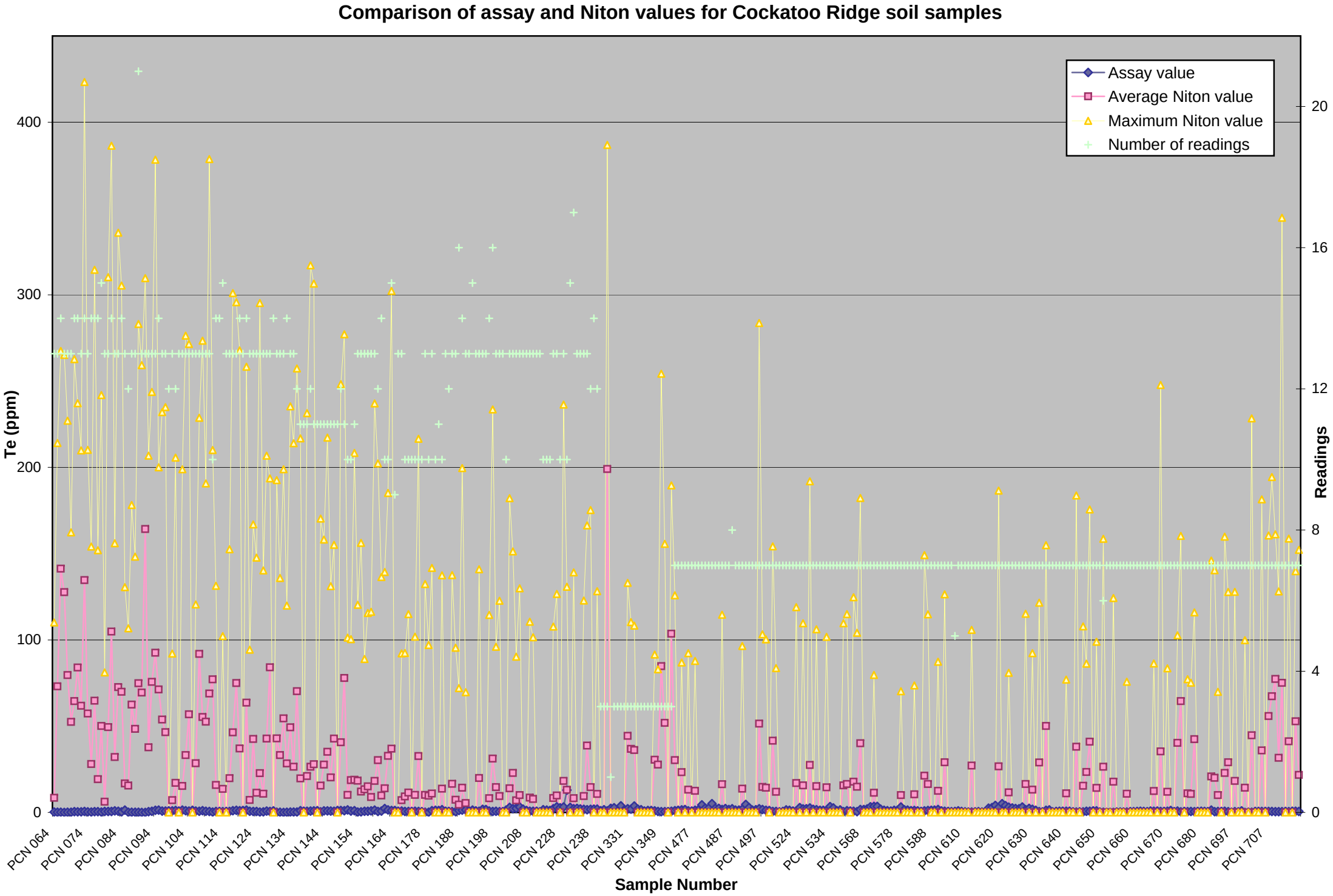

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Mo (ppm)
Readings
Sample Number
0
10
20
30
40
50
60
70
0
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

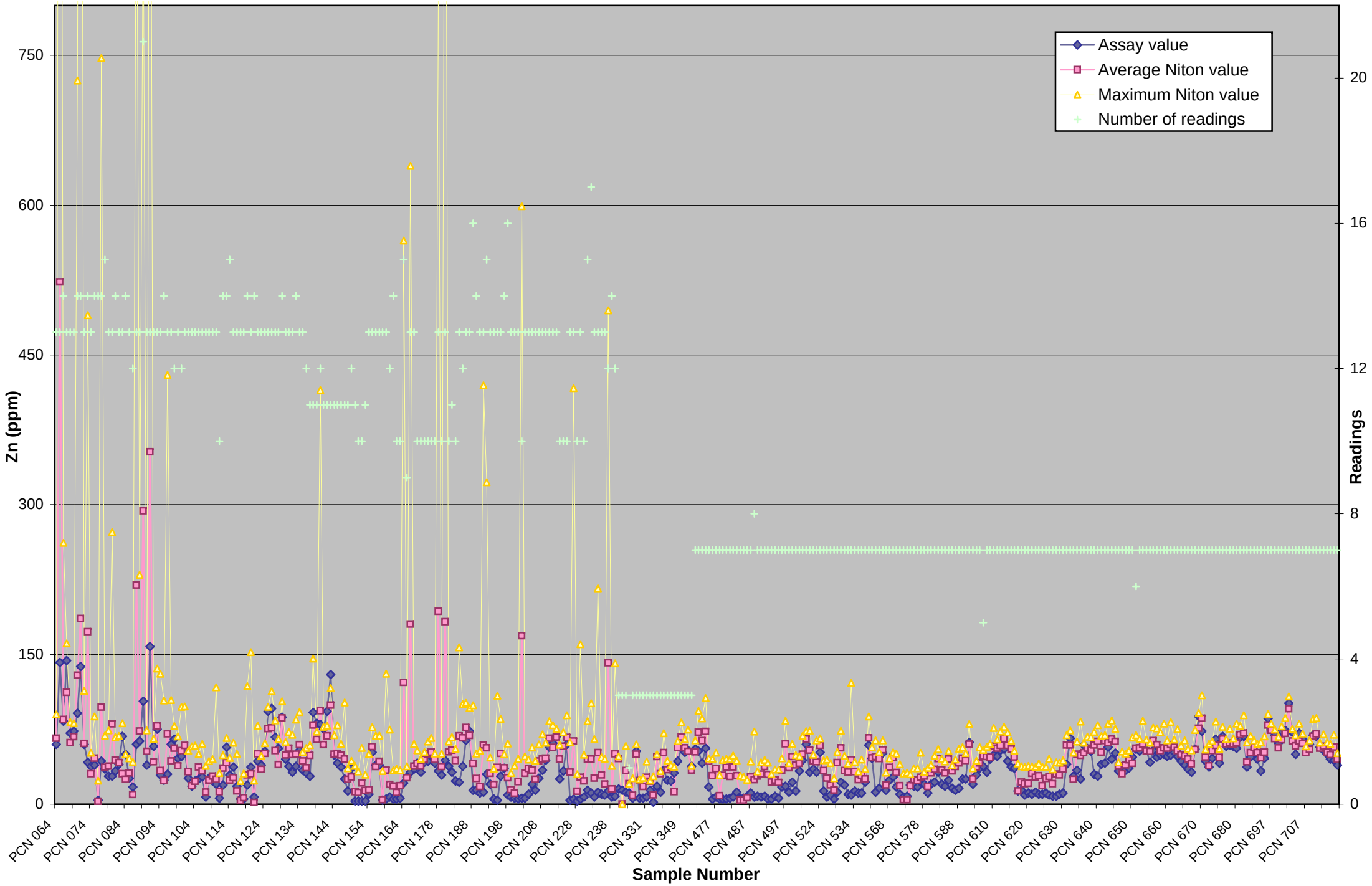

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Pb (ppm)
Readings
Sample Number
0
50
100
150
200
0
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

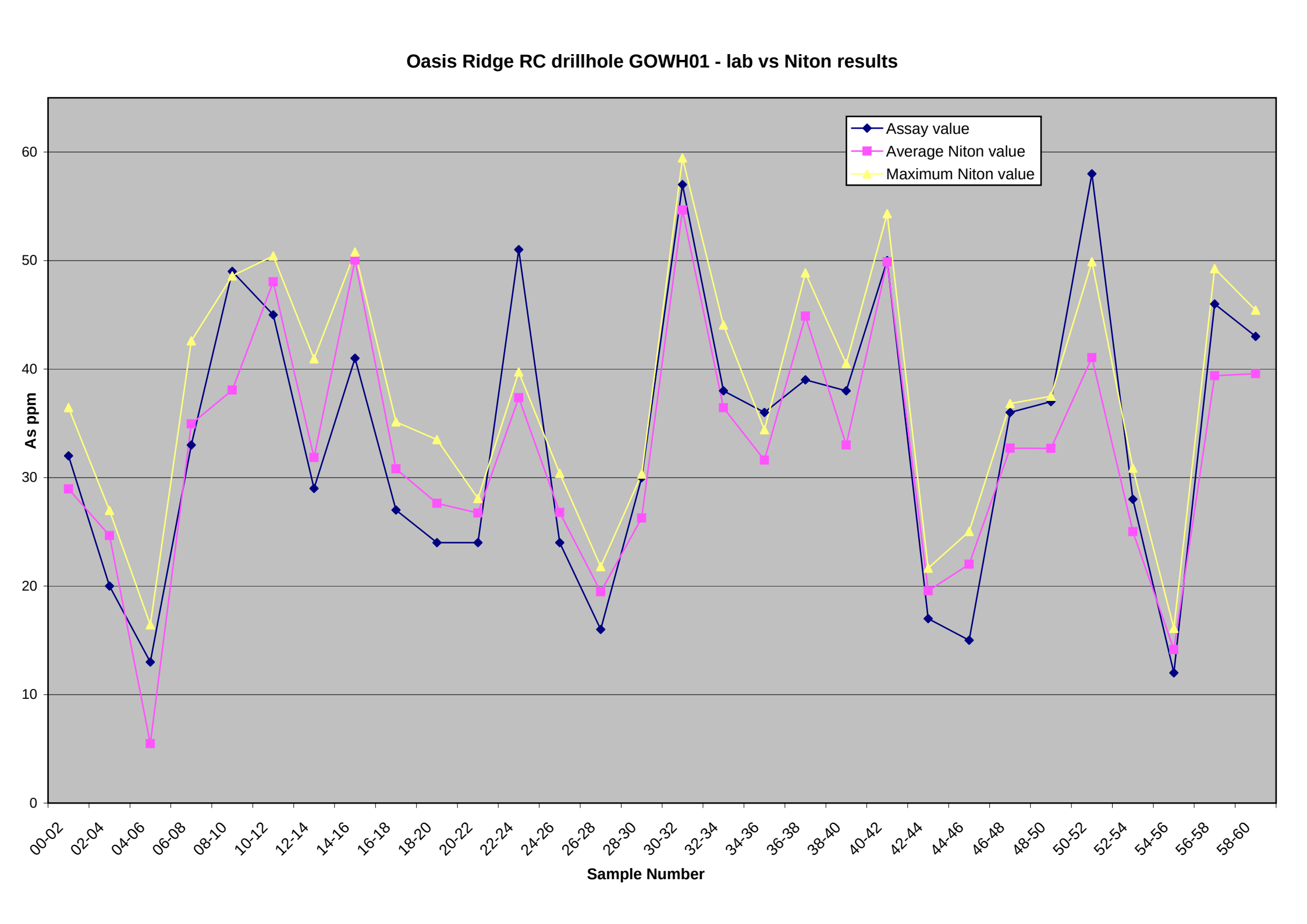

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
S (ppm)
Readings
Sample Number
40000
35000
30000
25000
20000
15000
10000
5000
0
20
16
12
8
4
0
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707


Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Sb (ppm)
Readings
Sample Number
0
20
40
60
80
100
120
0
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

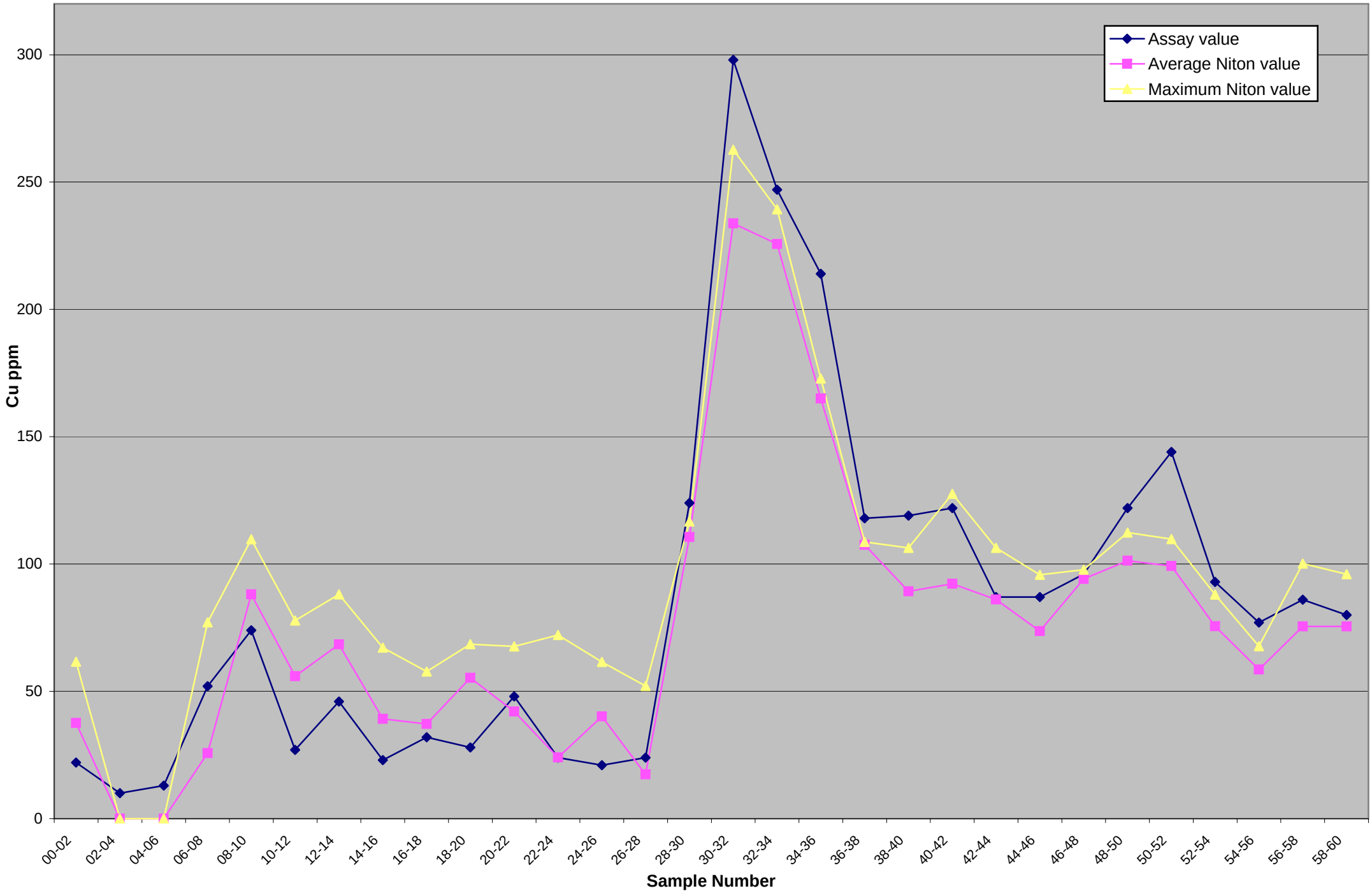

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Se (ppm)
Readings
Sample Number
0
5
10
15
20
25
30
35
40
45
0
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

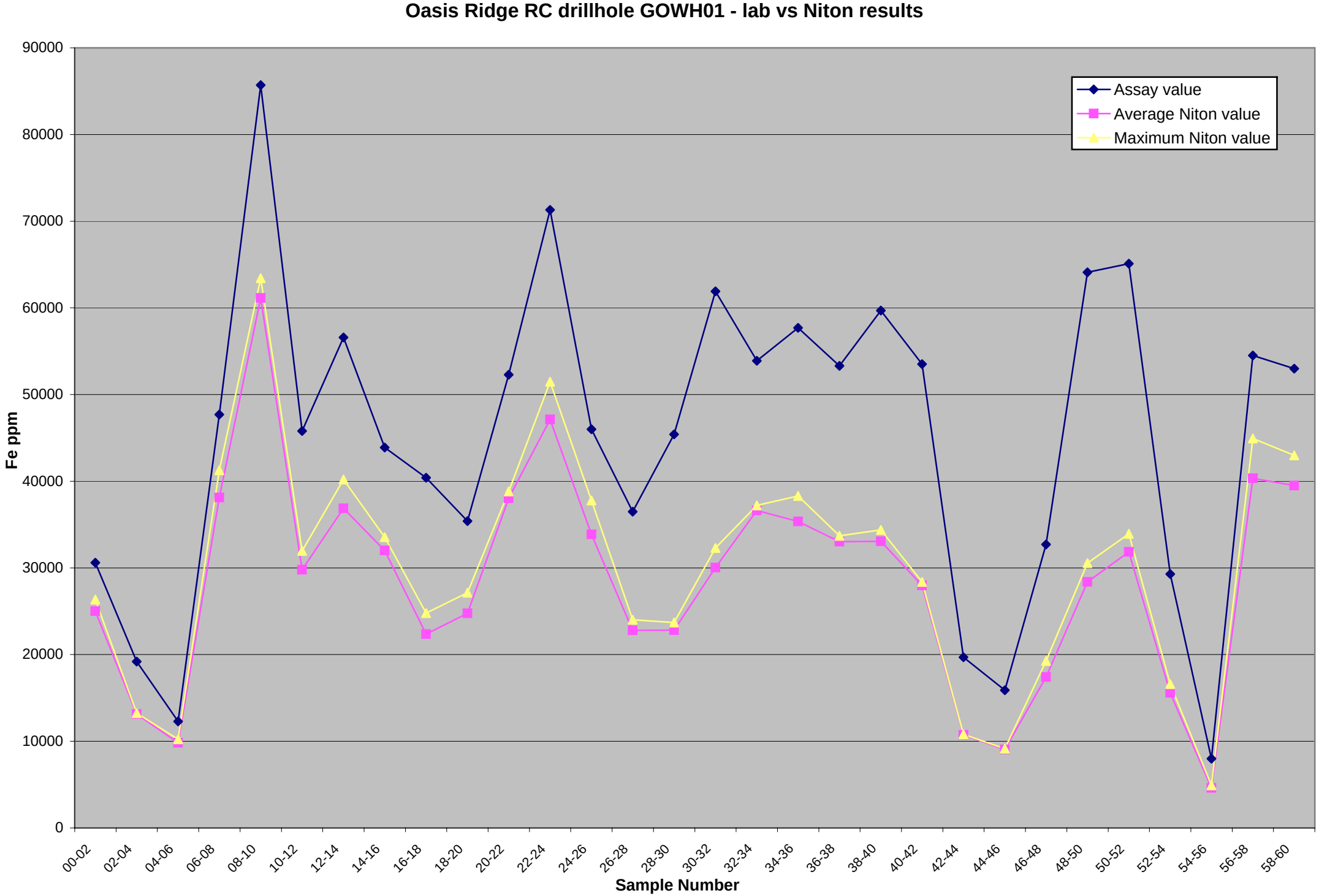

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Te (ppm)
Readings
Sample Number
0
100
200
300
400
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

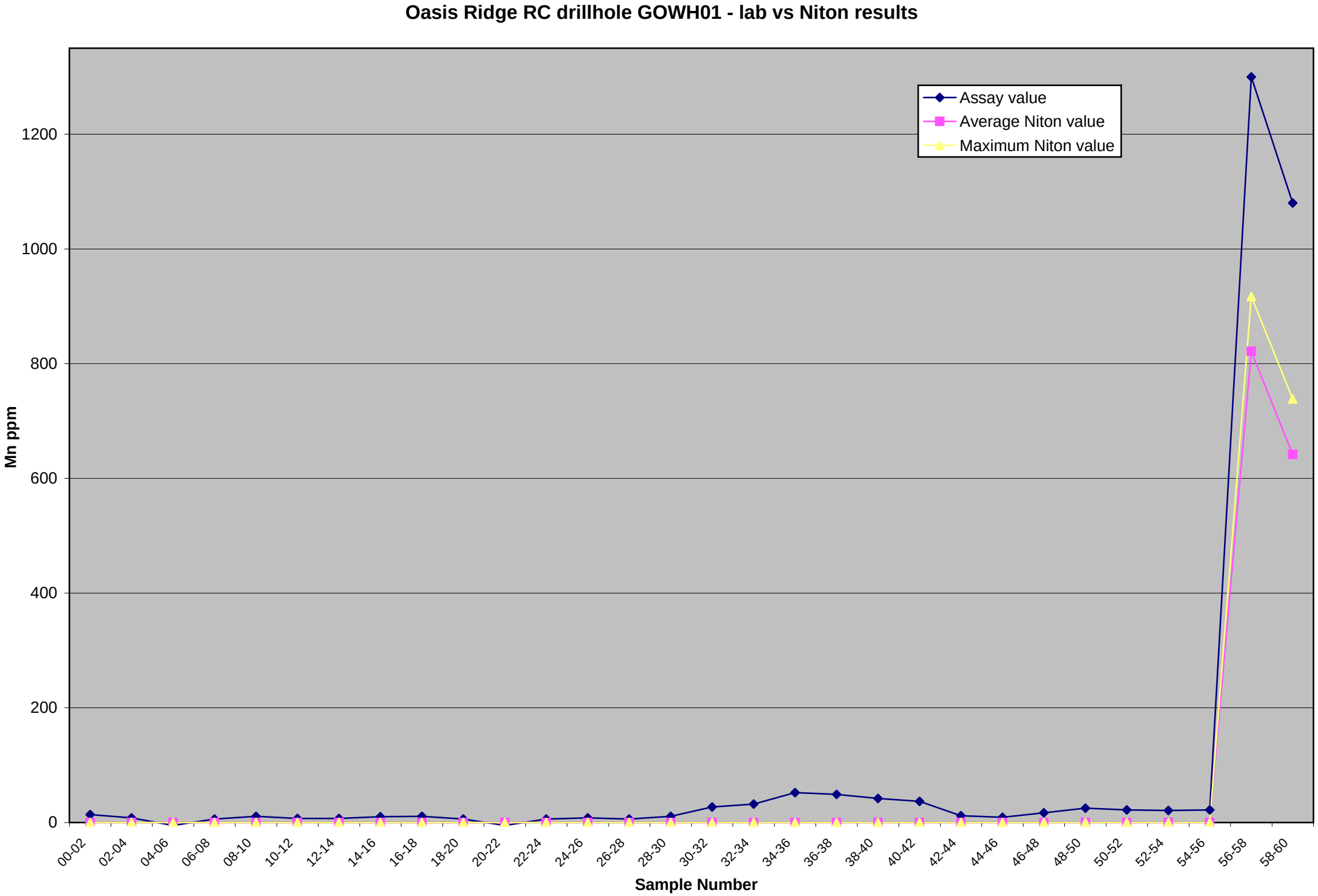

Comparison of assay and Niton values for Cockatoo Ridge soil samples
Assay value
Average Niton value
Maximum Niton value
Number of readings
Zn (ppm)
Readings
Sample Number
0
150
300
450
600
750
0
4
8
12
16
20
PCN 064
PCN 074
PCN 084
PCN 094
PCN 104
PCN 114
PCN 124
PCN 134
PCN 144
PCN 154
PCN 164
PCN 178
PCN 188
PCN 198
PCN 208
PCN 228
PCN 238
PCN 331
PCN 349
PCN 477
PCN 487
PCN 497
PCN 524
PCN 534
PCN 568
PCN 578
PCN 588
PCN 610
PCN 620
PCN 630
PCN 640
PCN 650
PCN 660
PCN 670
PCN 680
PCN 697
PCN 707

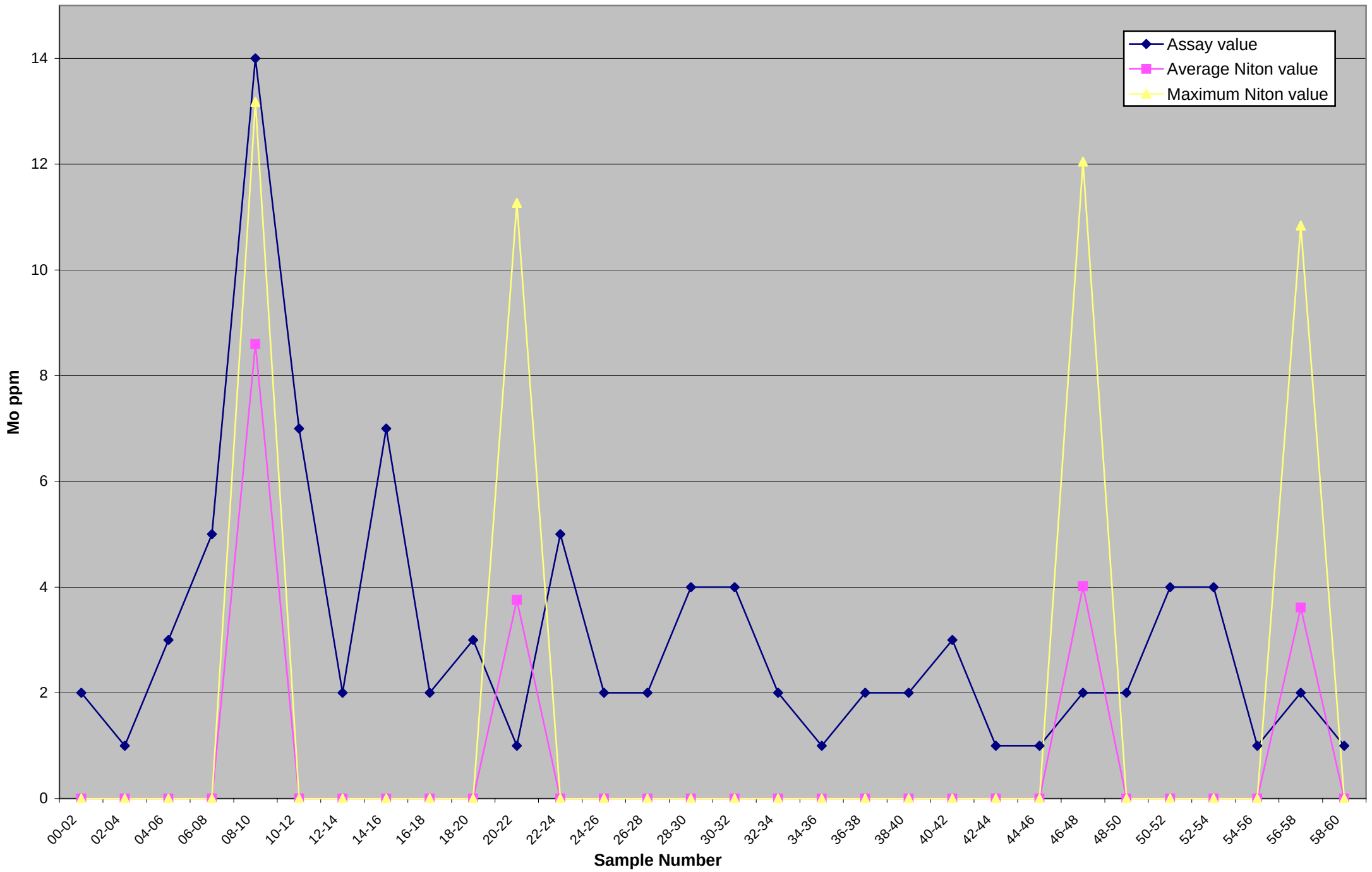

Oasis Ridge RC drillhole GOWH01 - lab vs Niton results
Assay value
Average Niton value
Maximum Niton value
As ppm
0
10
20
30
40
50
60
00-02
02-04
04-06
06-08
08-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60
Sample Number

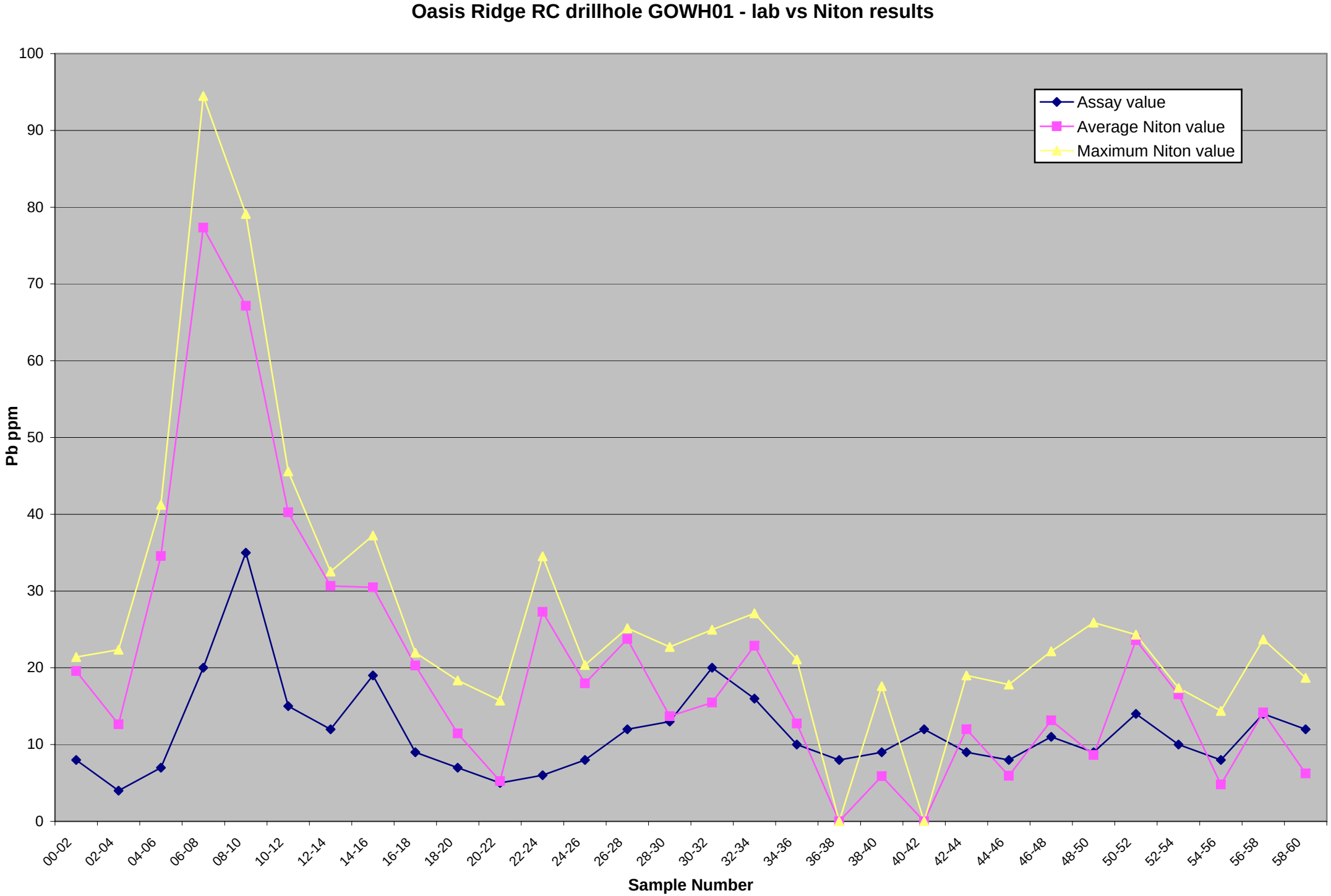
Oasis Ridge RC drillhole GOWH01 - lab vs Niton results

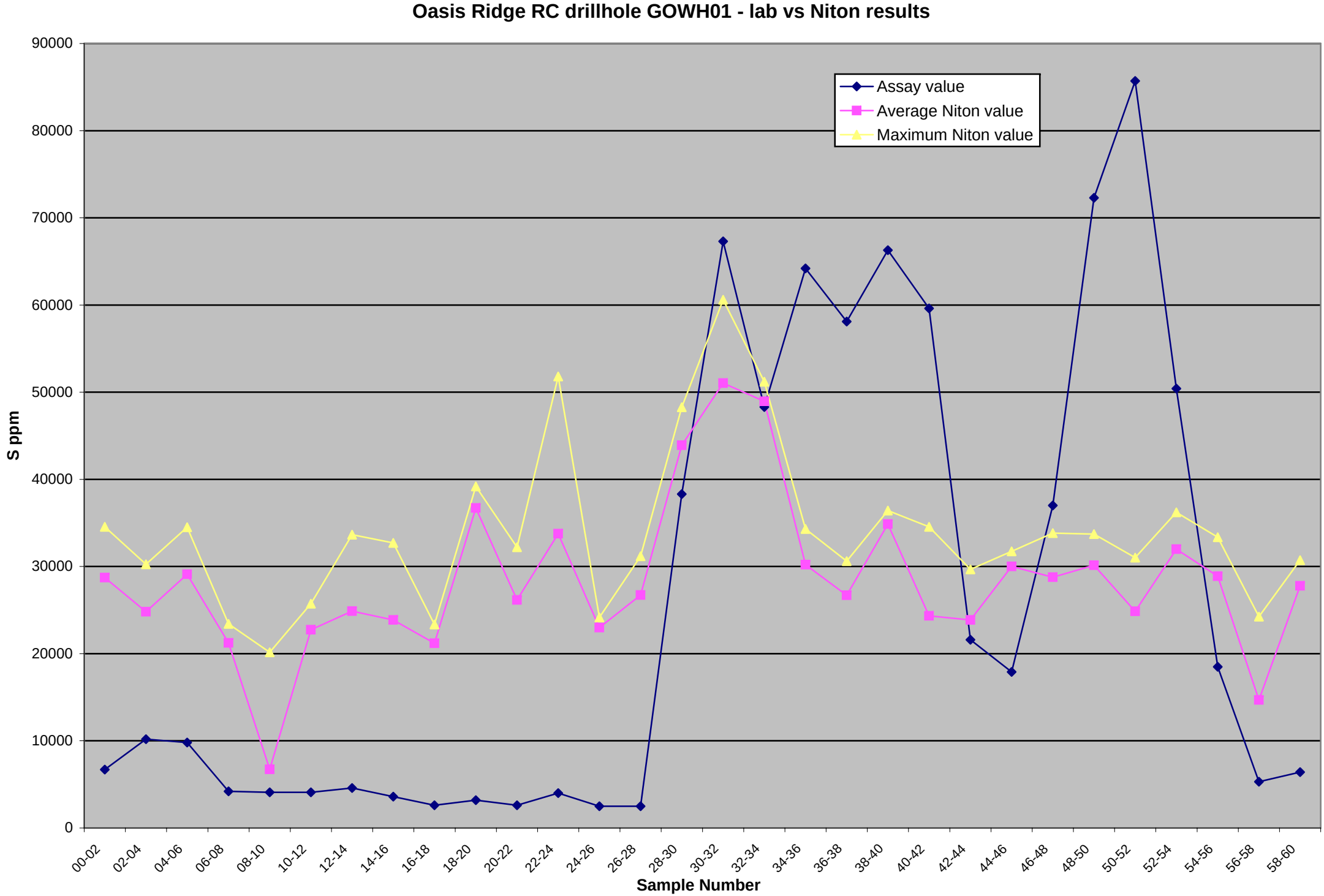



Oasis Ridge RC drillhole GOWH01 - lab vs Niton results
Assay value
Average Niton value
Maximum Niton value
Fe ppm
Sample Number
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
00-02
02-04
04-06
06-08
08-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60

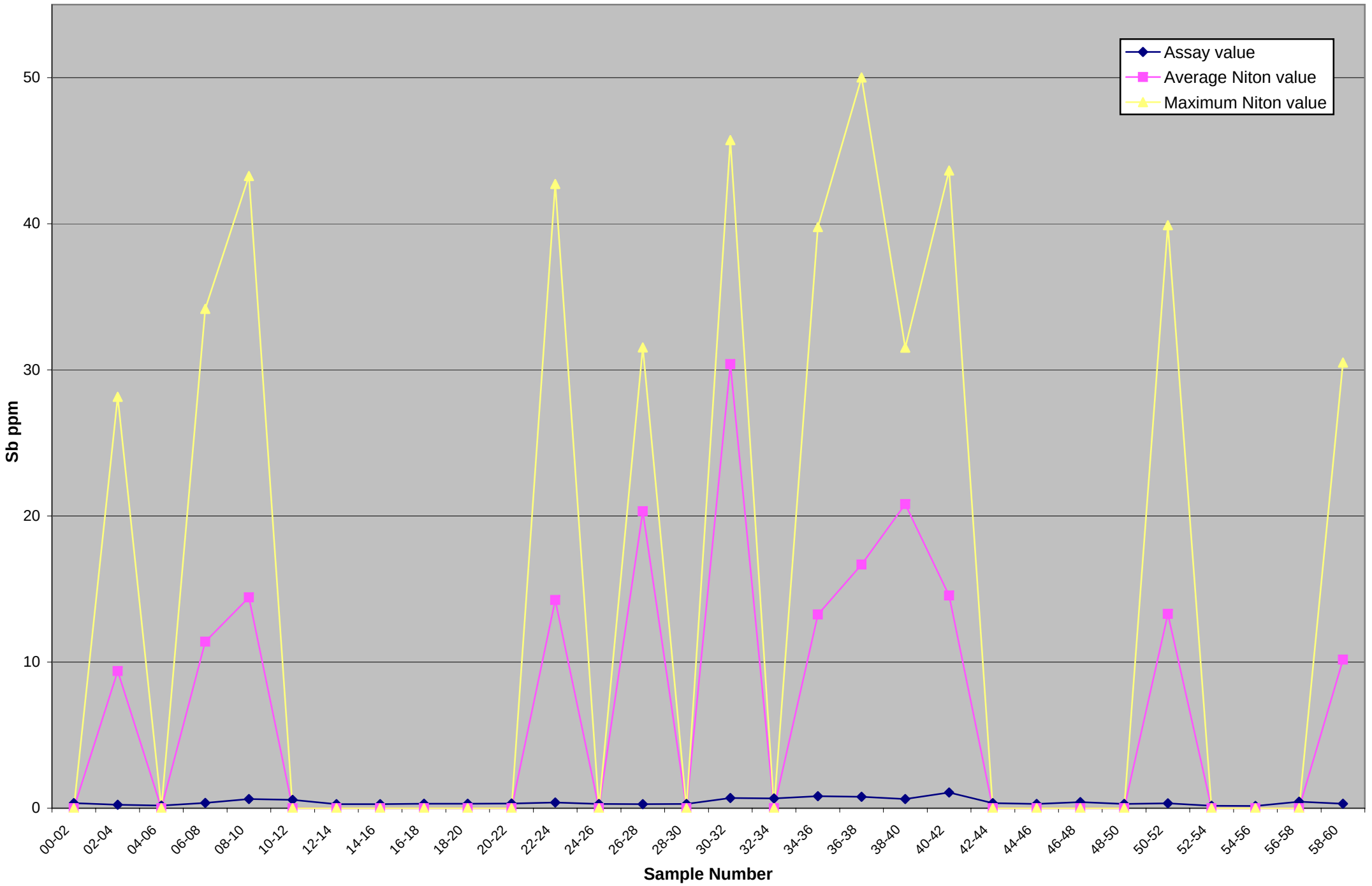

Oasis Ridge RC drillhole GOWH01 - lab vs Niton results
Assay value
Average Niton value
Maximum Niton value
Mn ppm
0
200
400
600
800
1000
1200
00-02
02-04
04-06
06-08
08-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60
Sample Number


Oasis Ridge RC drillhole GOWH01 - lab vs Niton results
Assay value
Average Niton value
Maximum Niton value
Mo ppm
0
2
4
6
8
10
12
14
Sample Number
00-02
02-04
04-06
06-08
08-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60

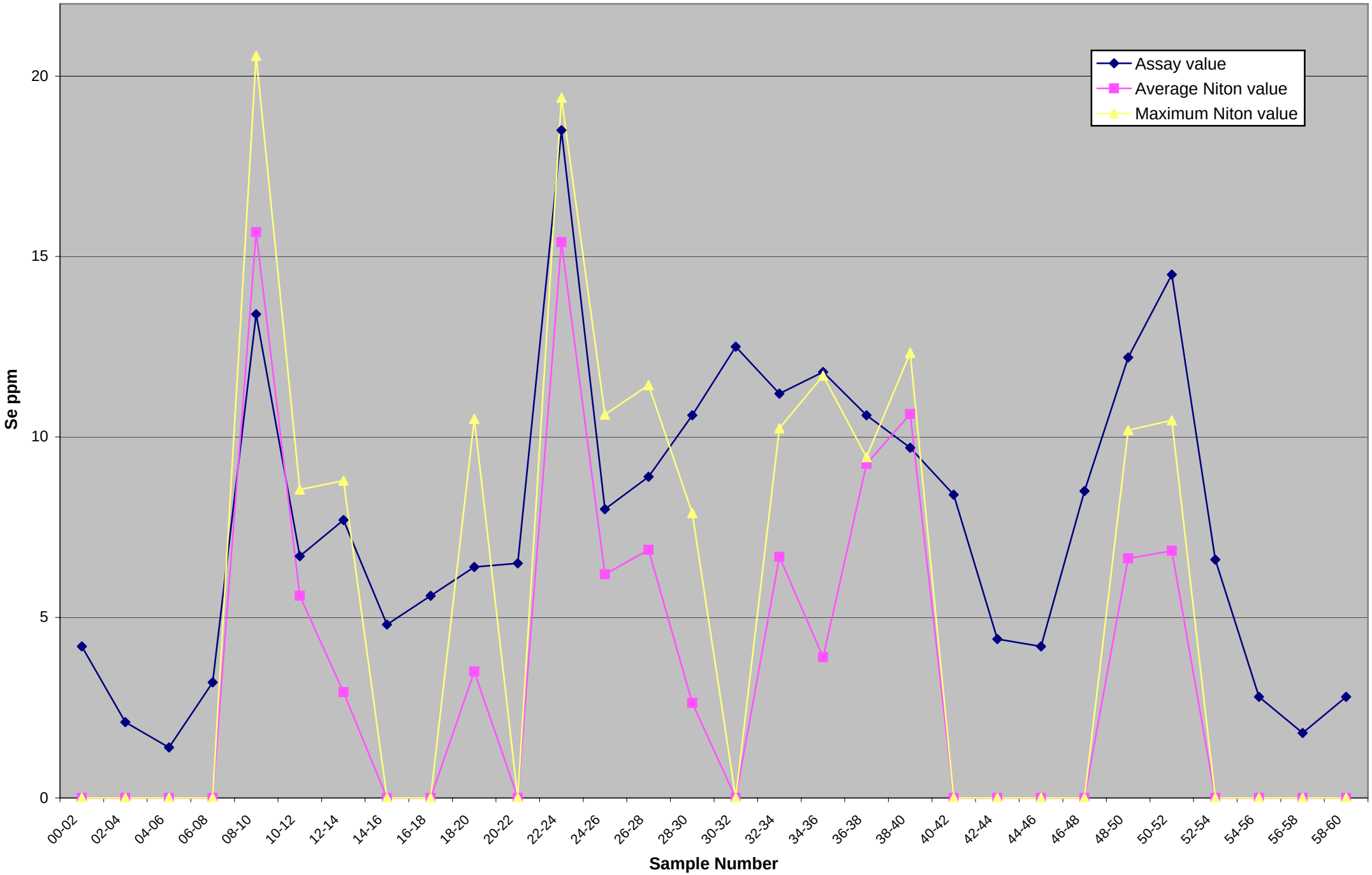

Oasis Ridge RC drillhole GOWH01 - lab vs Niton results
Assay value
Average Niton value
Maximum Niton value
Pb ppm
Sample Number
0
10
20
30
40
50
60
70
80
90
100
00-02
02-04
04-06
06-08
08-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60

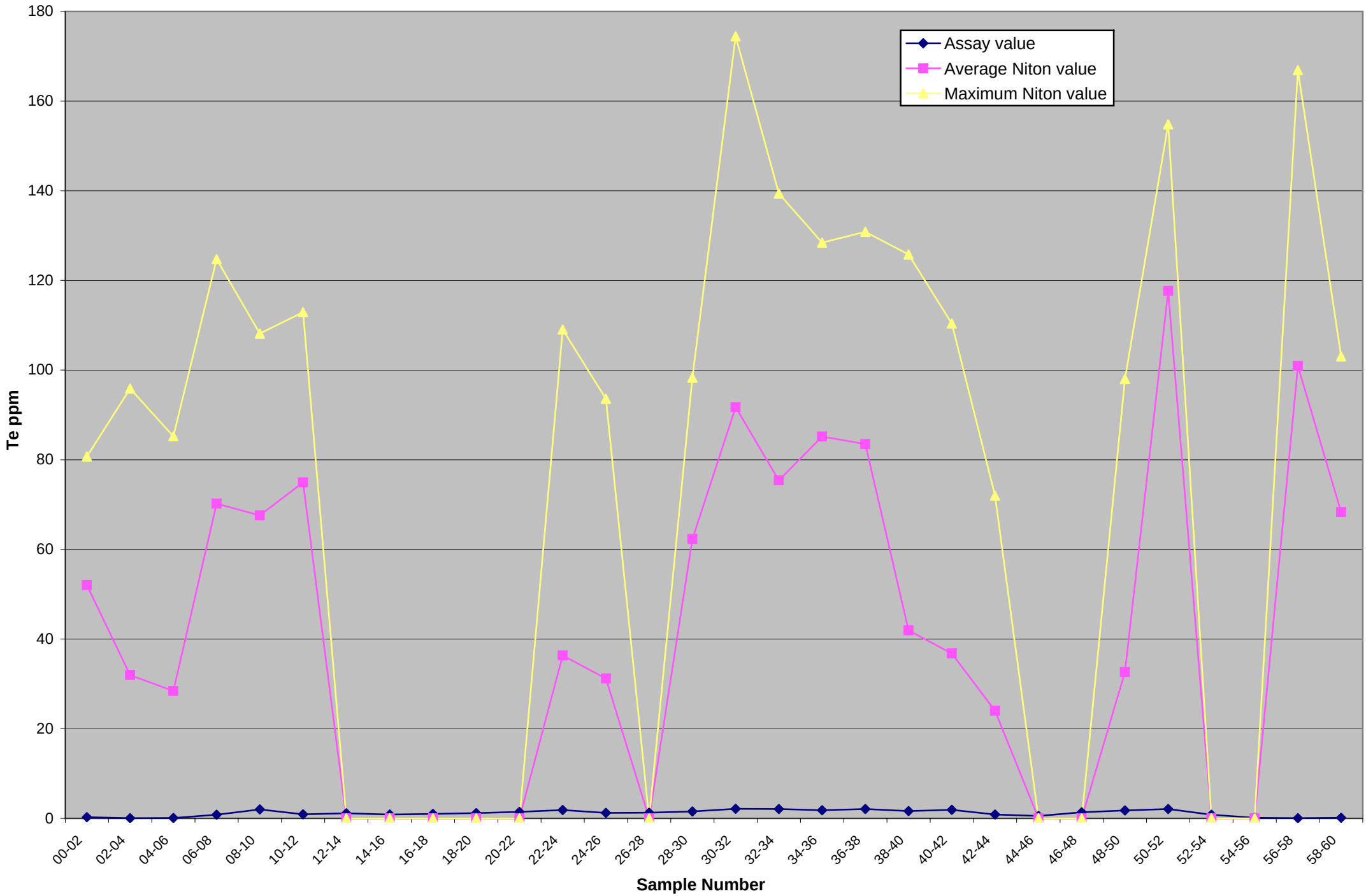

Oasis Ridge RC drillhole GOWH01 - lab vs Niton results
Assay value
Average Niton value
Maximum Niton value
S ppm
Sample Number
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
00-02
02-04
04-06
06-08
08-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60

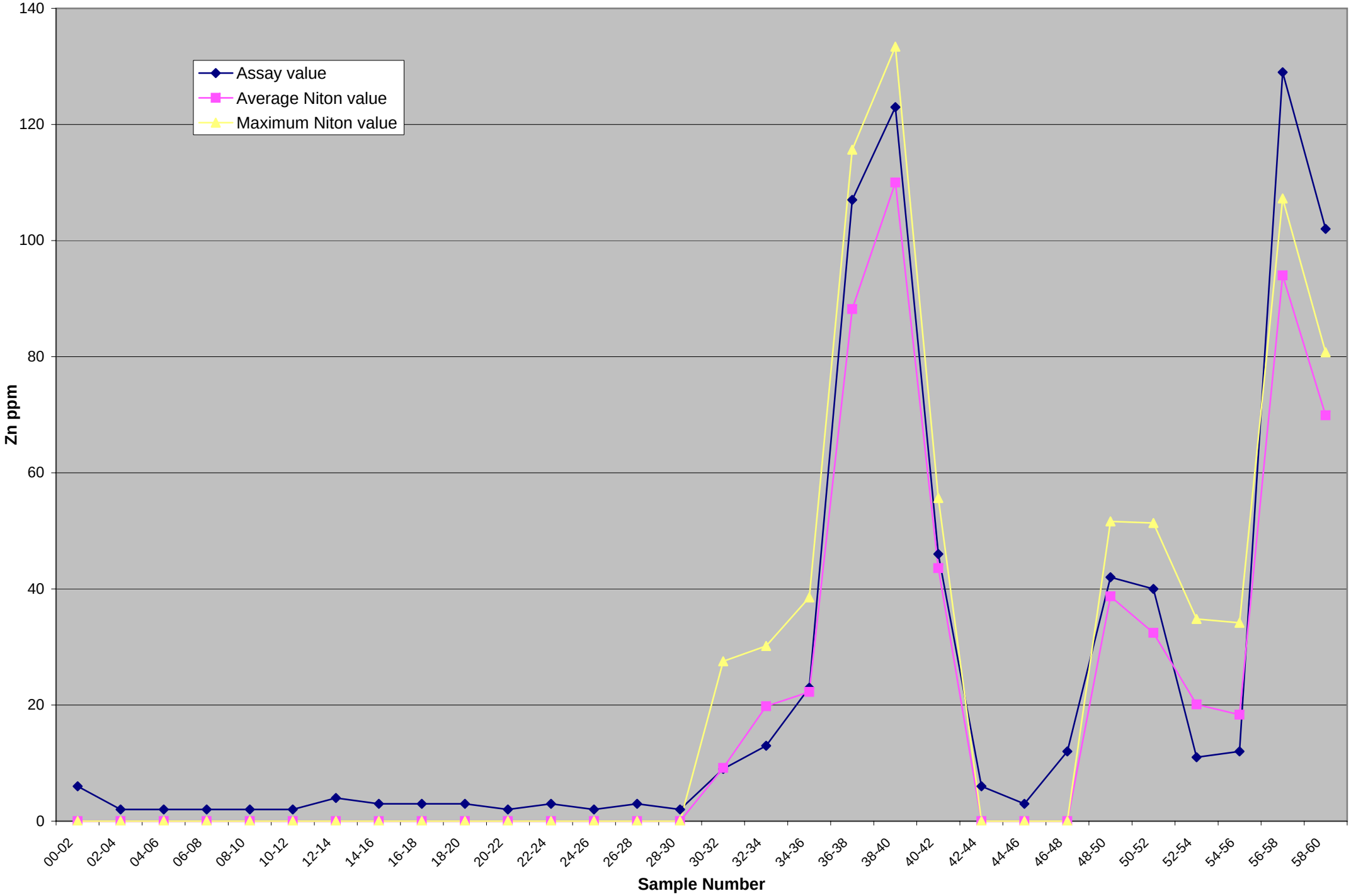
Oasis Ridge RC drillhole GOWH01 - lab vs Niton results



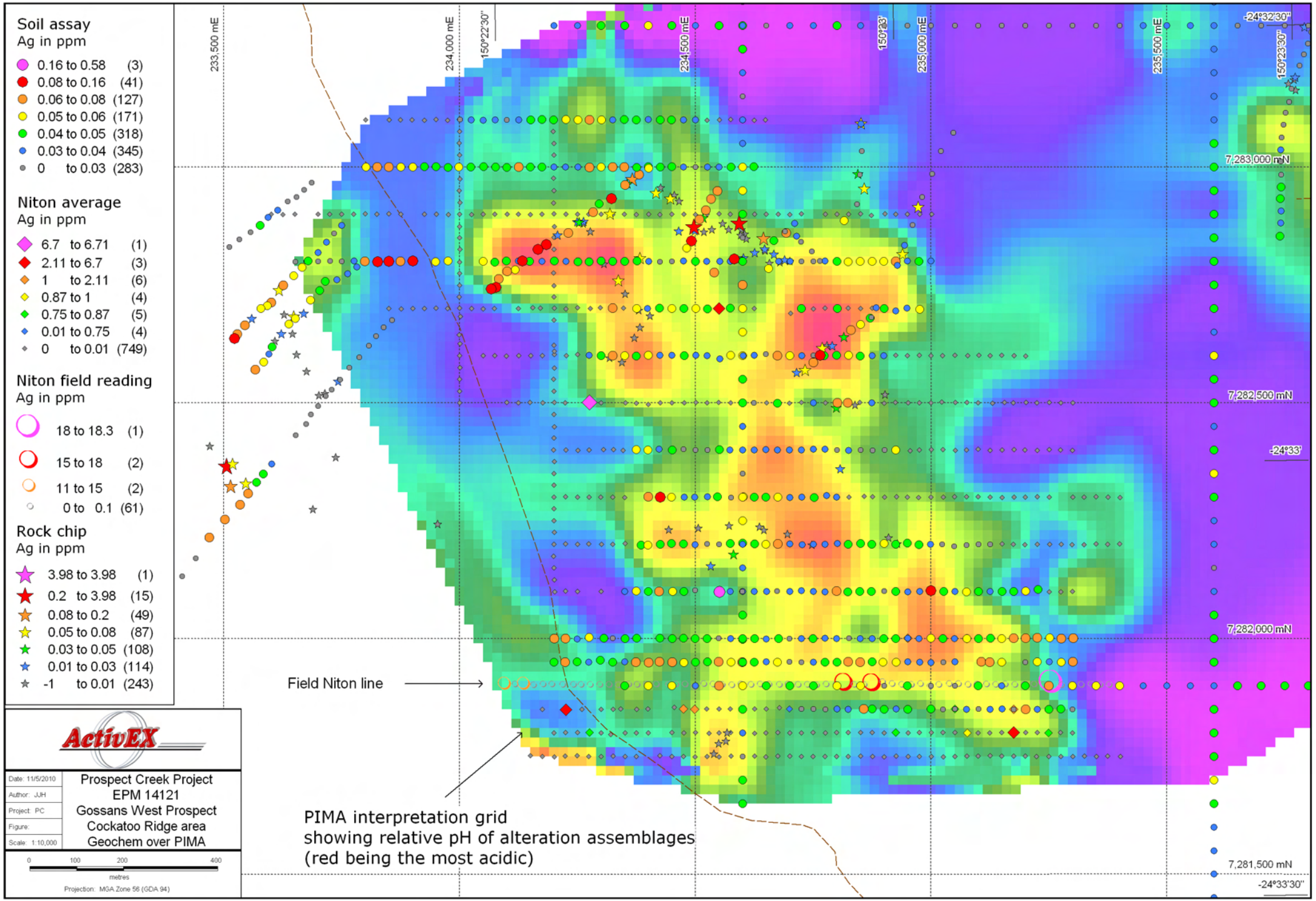
Oasis Ridge RC drillhole GOWH01 - lab vs Niton results

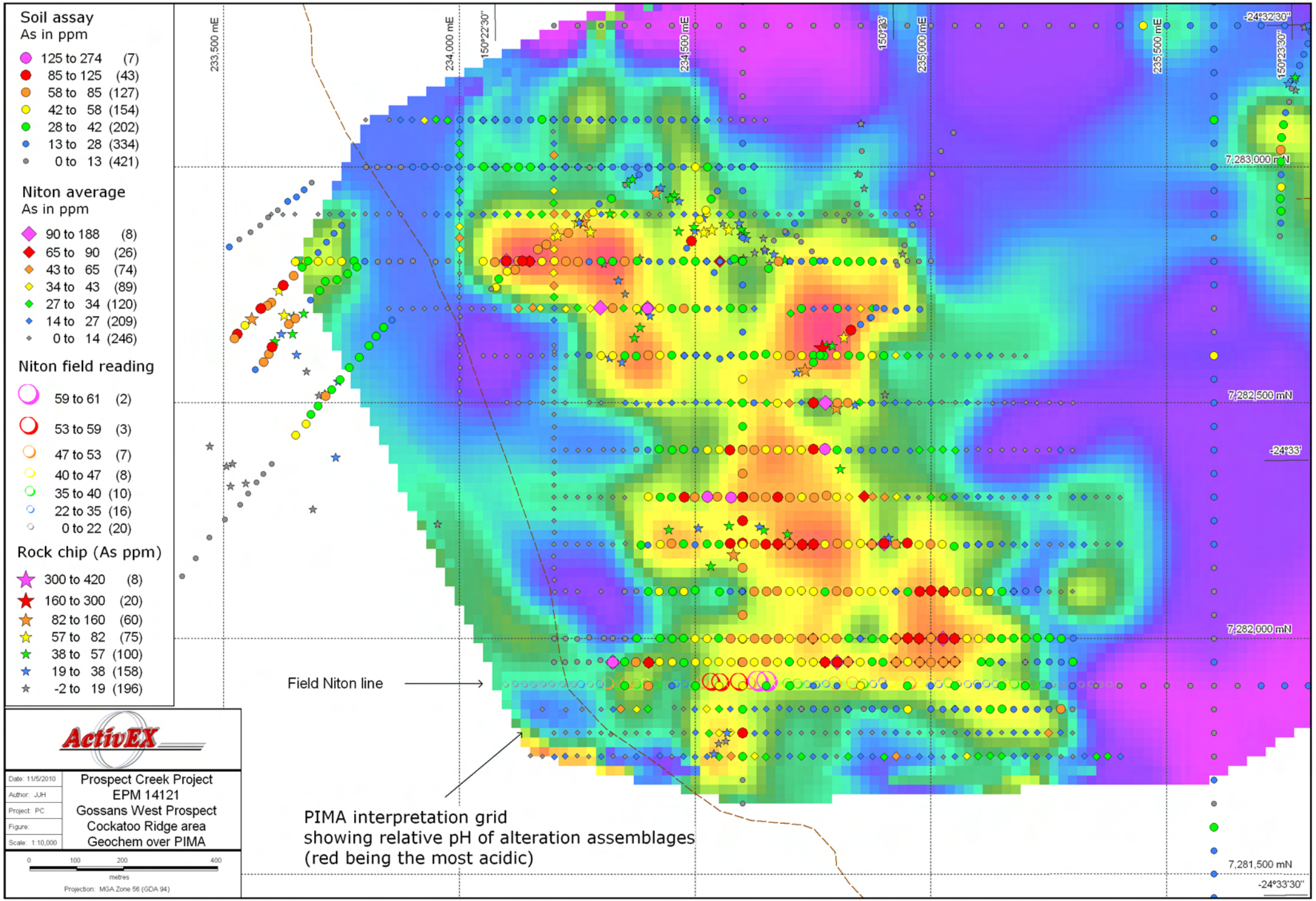


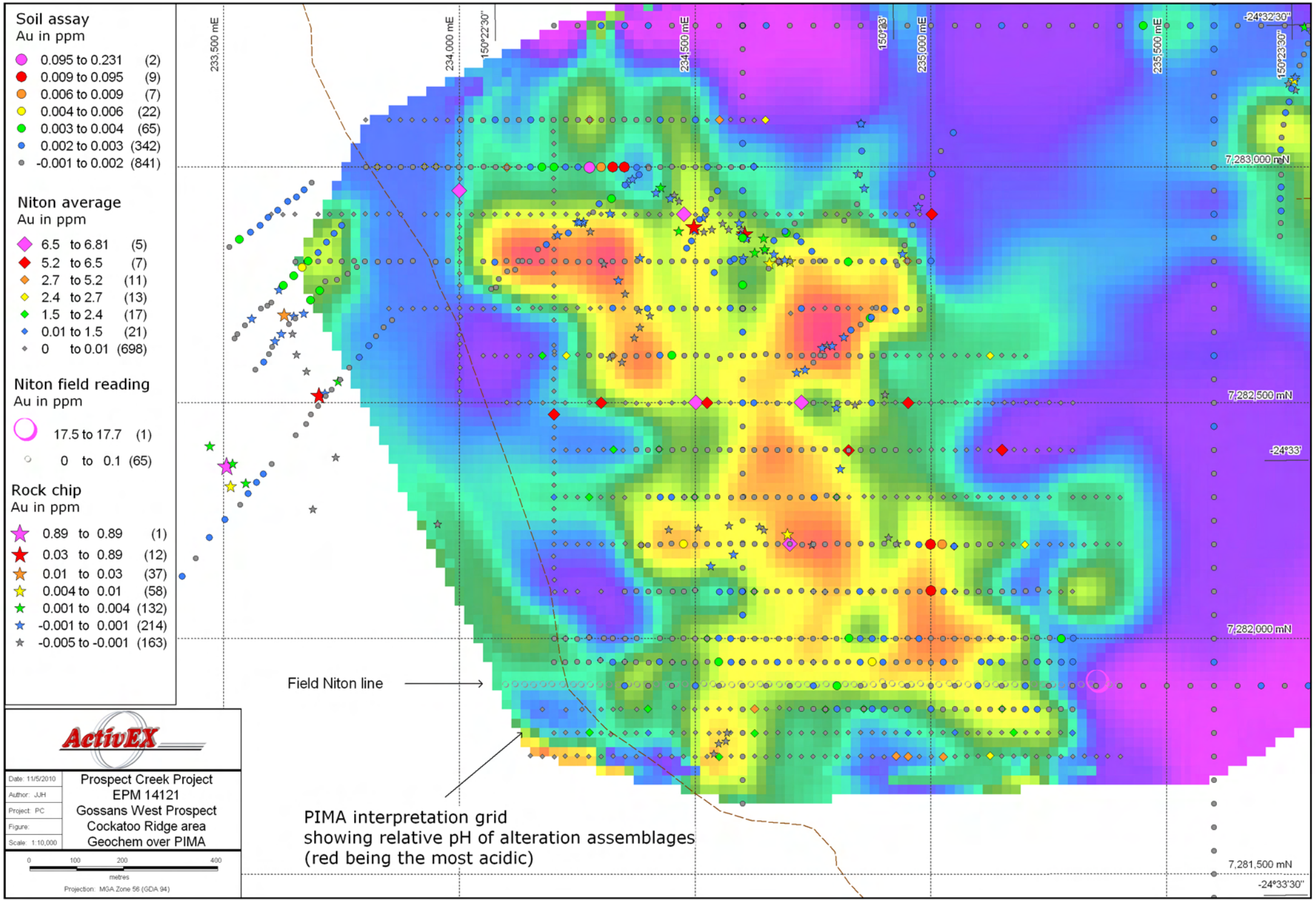

Oasis Ridge RC drillhole GOWH01 - lab vs Niton results
Assay value
Average Niton value
Maximum Niton value
Te ppm
Sample Number
0
20
40
60
80
100
120
140
160
180
00-02
02-04
04-06
06-08
08-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60

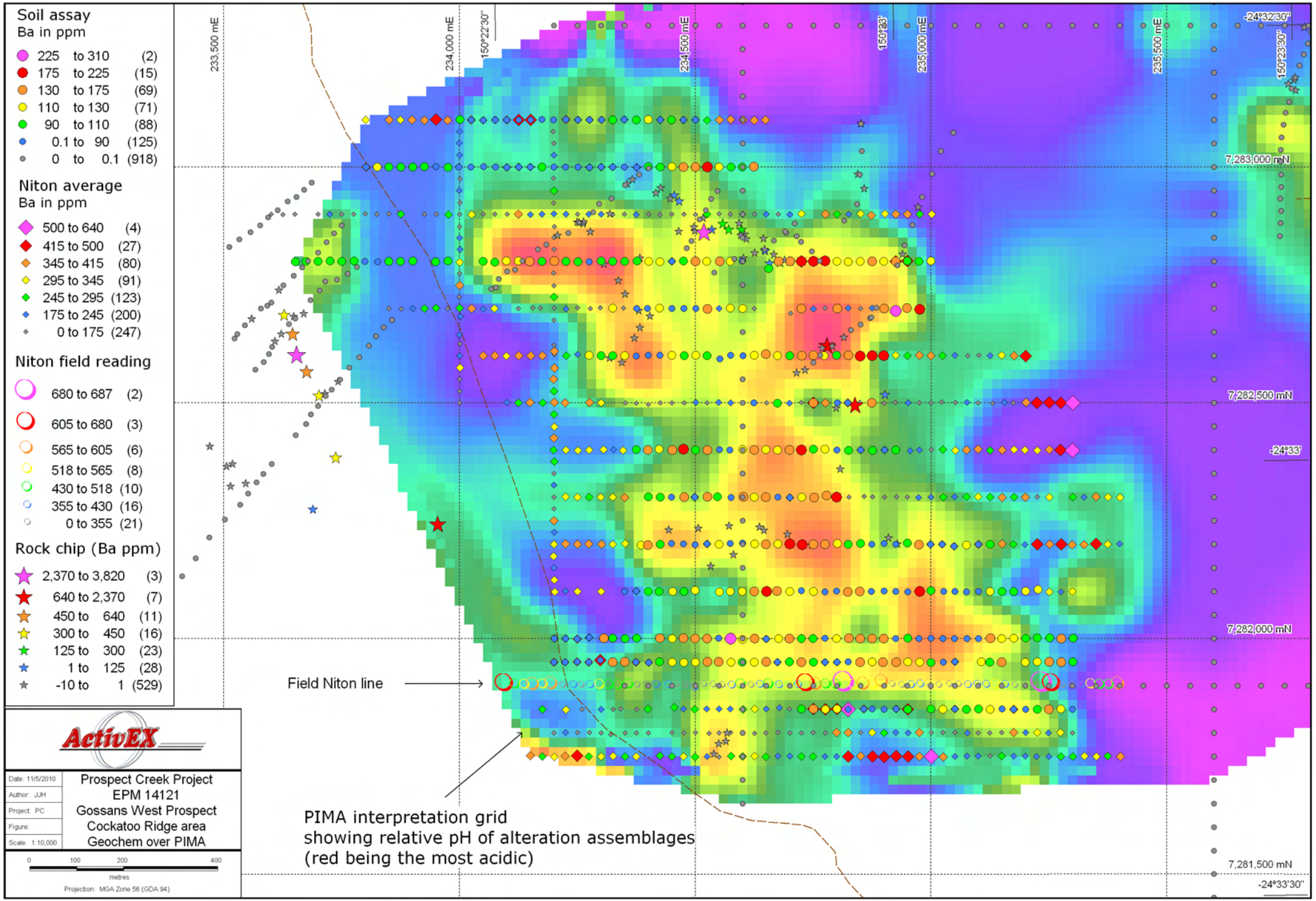

Oasis Ridge RC drillhole GOWH01 - lab vs Niton results
Assay value
Average Niton value
Maximum Niton value
Zn ppm
Sample Number
0
20
40
60
80
100
120
140
00-02
02-04
04-06
06-08
08-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60

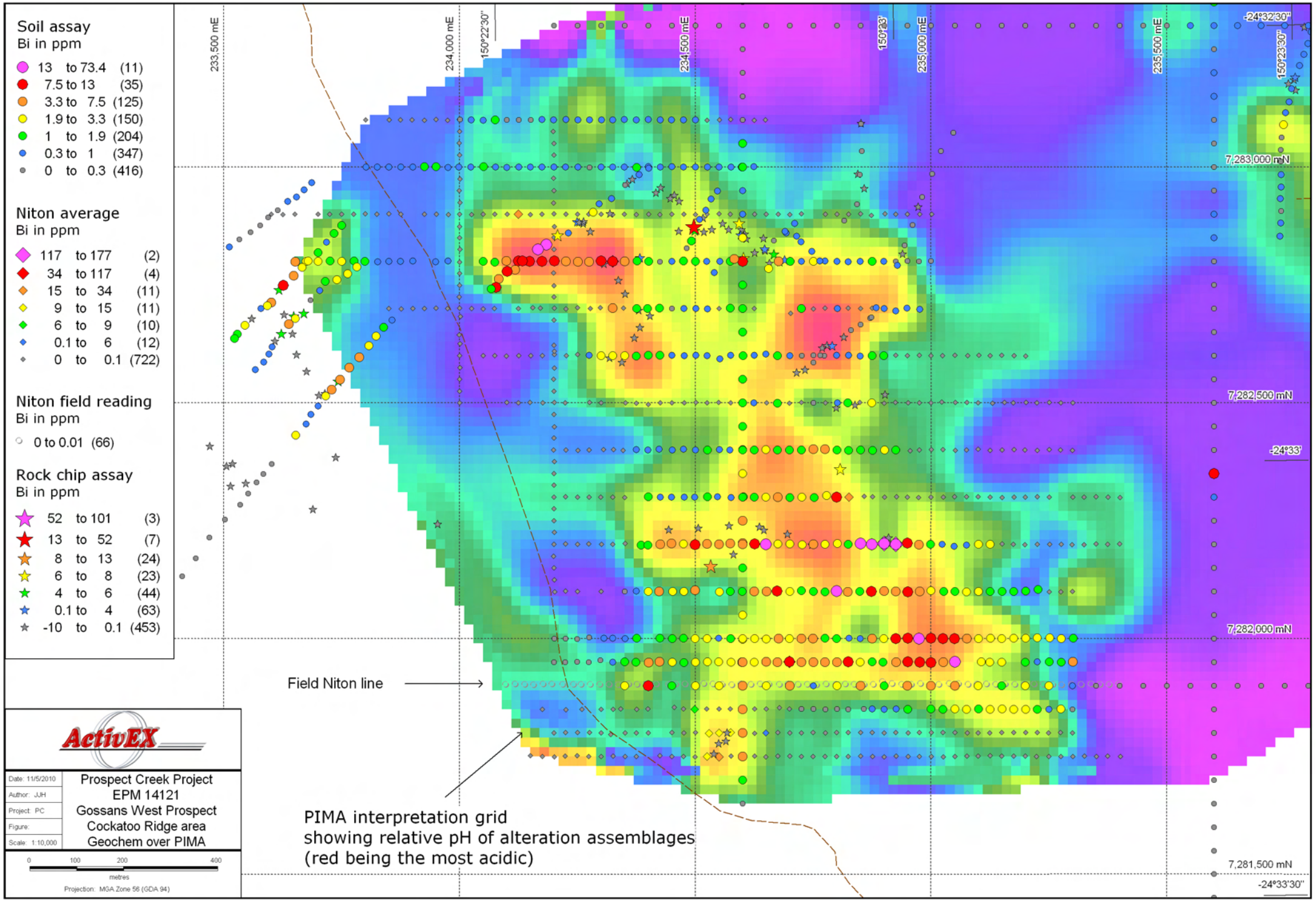
APPENDIX IV

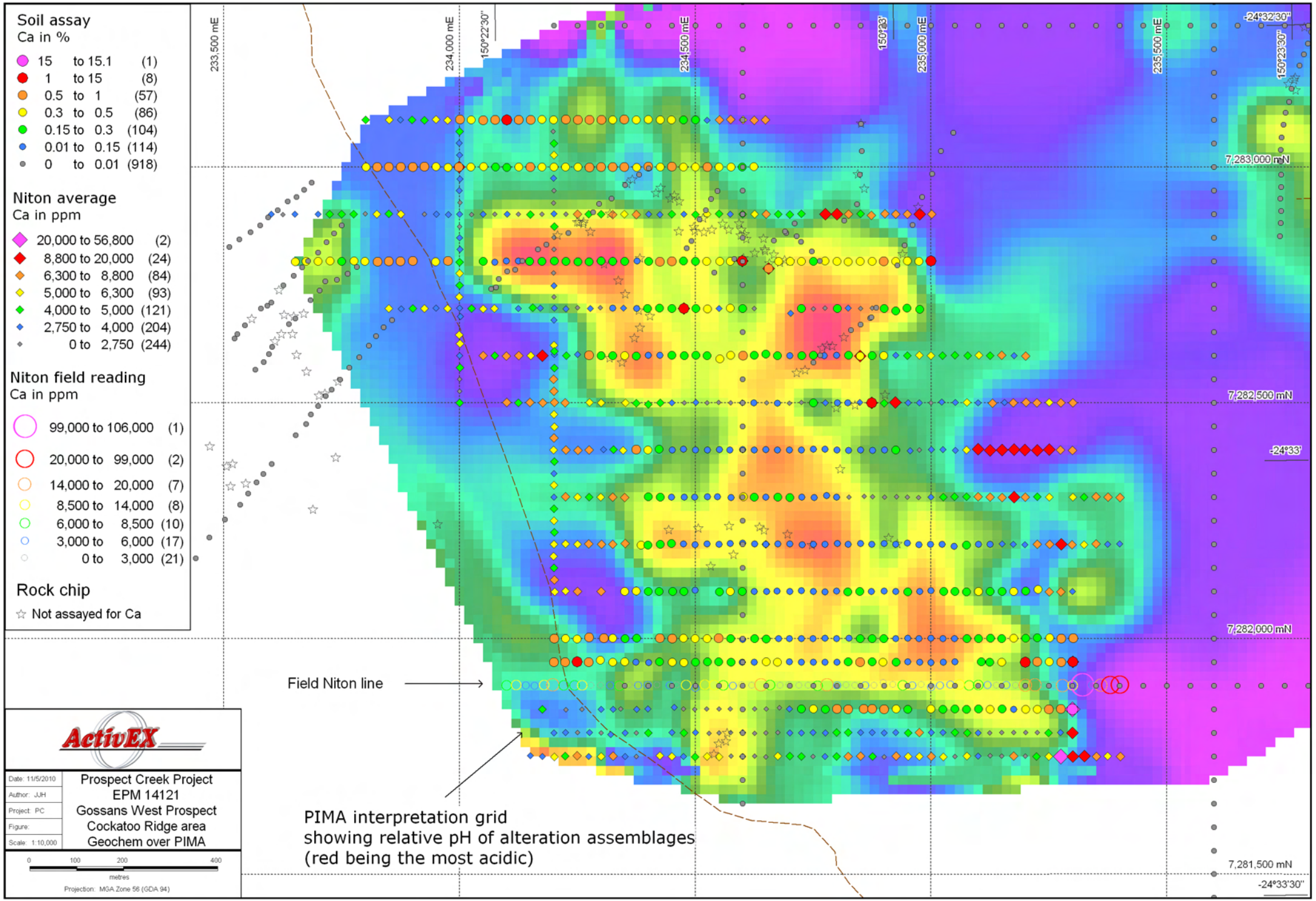

Soil assay
Ag in ppm
0.16 to 0.58 (3)
0.08 to 0.16 (41)
0.06 to 0.08 (127)
0.05 to 0.06 (171)
0.04 to 0.05 (318)
0.03 to 0.04 (345)
0 to 0.03 (283)
Niton average
Ag in ppm
6.7 to 6.71 (1)
2.11 to 6.7 (3)
1 to 2.11 (6)
0.87 to 1 (4)
0.75 to 0.87 (5)
0.01 to 0.75 (4)
0 to 0.01 (749)
Niton field reading
Ag in ppm
18 to 18.3 (1)
15 to 18 (2)
11 to 15 (2)
0 to 0.1 (61)
Rock chip
Ag in ppm
3.98 to 3.98 (1)
0.2 to 3.98 (15)
0.08 to 0.2 (49)
0.05 to 0.08 (87)
0.03 to 0.05 (108)
0.01 to 0.03 (114)
-1 to 0.01 (243)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

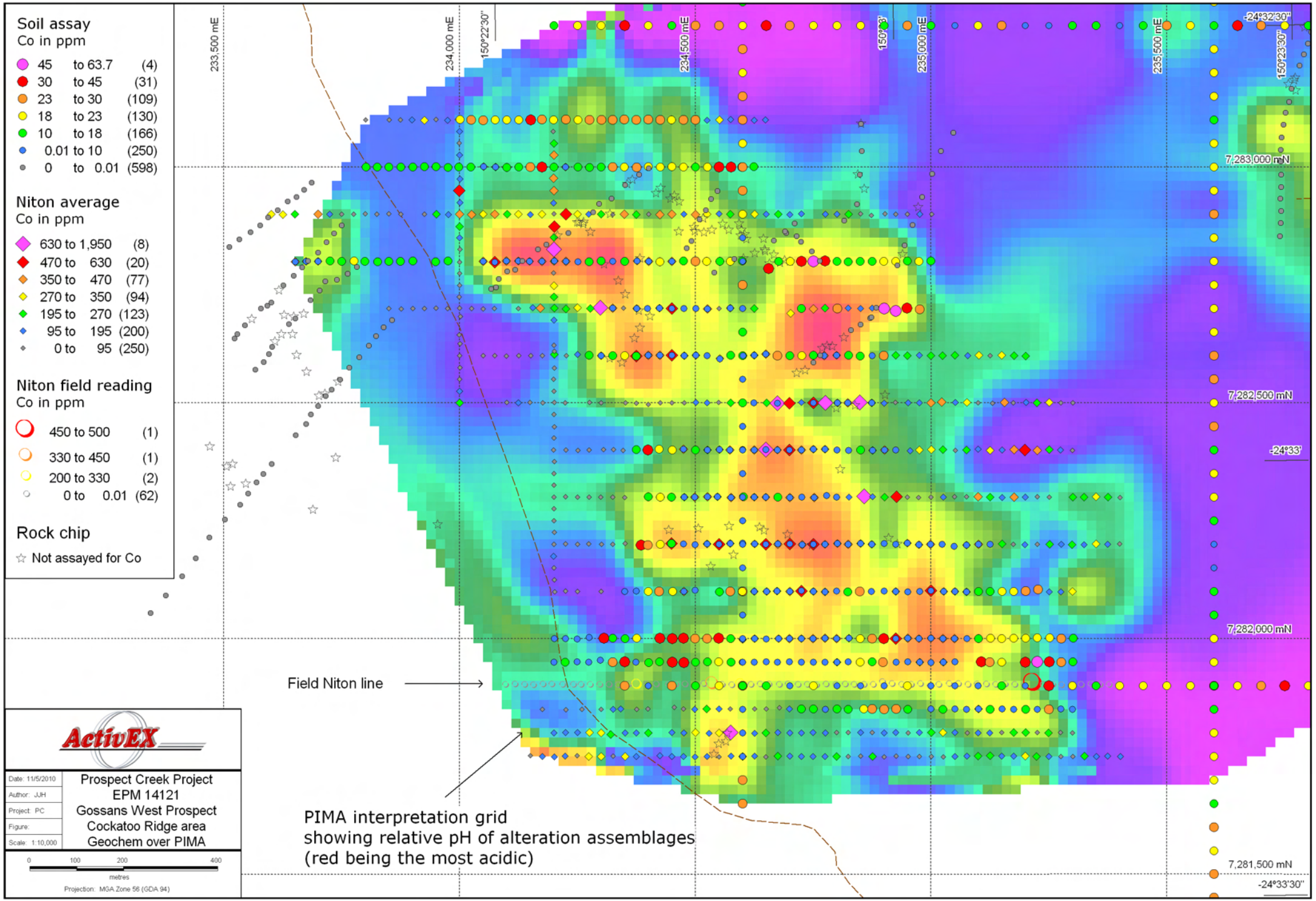

Soil assay
As in ppm
125 to 274 (7)
85 to 125 (43)
58 to 85 (127)
42 to 58 (154)
28 to 42 (202)
13 to 28 (334)
0 to 13 (421)
Niton average
As in ppm
90 to 188 (8)
65 to 90 (26)
43 to 65 (74)
34 to 43 (89)
27 to 34 (120)
14 to 27 (209)
0 to 14 (246)
Niton field reading
59 to 61 (2)
53 to 59 (3)
47 to 53 (7)
40 to 47 (8)
35 to 40 (10)
22 to 35 (16)
0 to 22 (20)
Rock chip (As ppm)
300 to 420 (8)
160 to 300 (20)
82 to 160 (60)
57 to 82 (75)
38 to 57 (100)
19 to 38 (158)
-2 to 19 (196)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

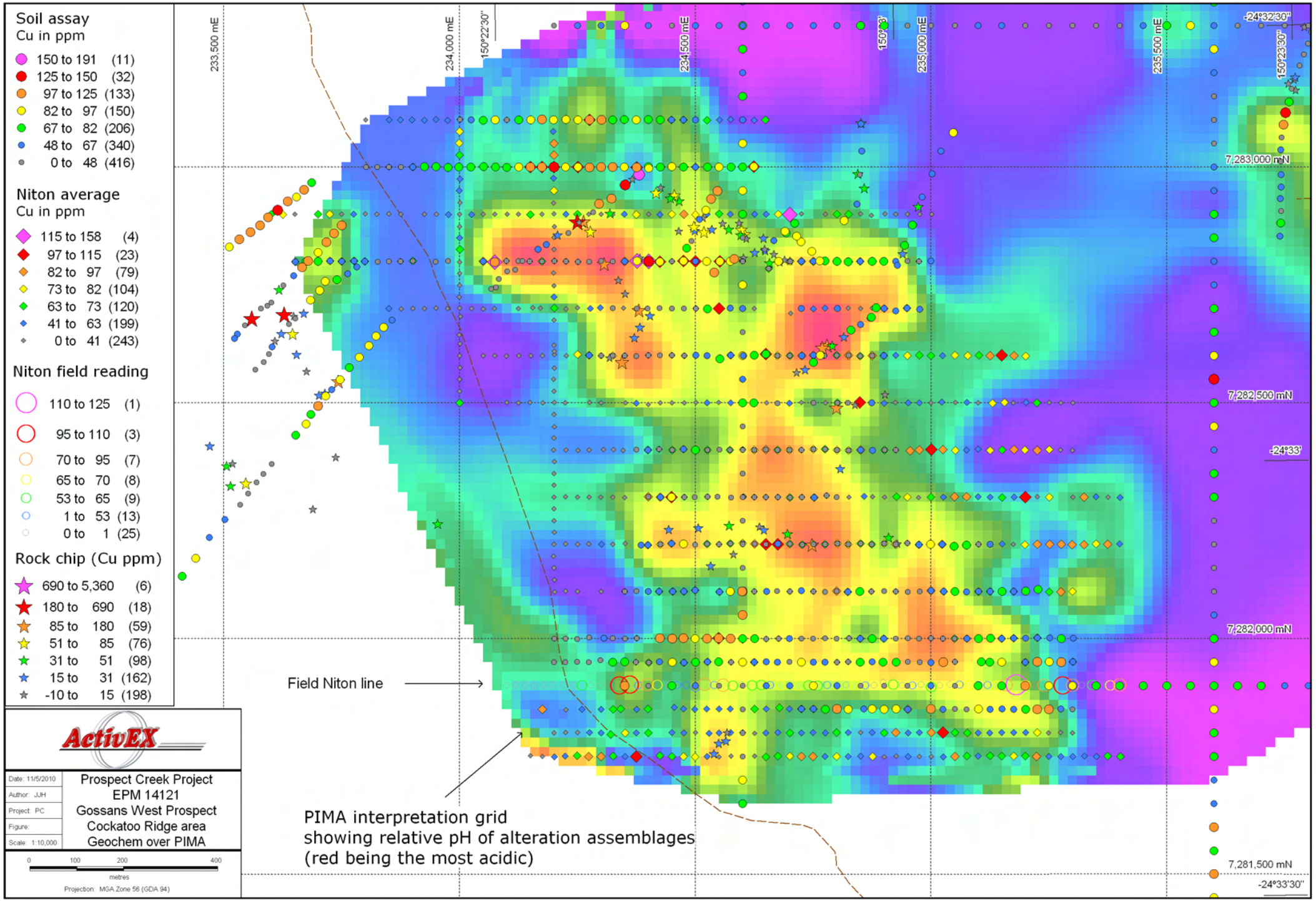

Soil assay
Au in ppm
0.095 to 0.231 (2)
0.009 to 0.095 (9)
0.006 to 0.009 (7)
0.004 to 0.006 (22)
0.003 to 0.004 (65)
0.002 to 0.003 (342)
-0.001 to 0.002 (841)
Niton average
Au in ppm
6.5 to 6.81 (5)
5.2 to 6.5 (7)
2.7 to 5.2 (11)
2.4 to 2.7 (13)
1.5 to 2.4 (17)
0.01 to 1.5 (21)
0 to 0.01 (698)
Niton field reading
Au in ppm
17.5 to 17.7 (1)
0 to 0.1 (65)
Rock chip
Au in ppm
0.89 to 0.89 (1)
0.03 to 0.89 (12)
0.01 to 0.03 (37)
0.004 to 0.01 (58)
0.001 to 0.004 (132)
-0.001 to 0.001 (214)
-0.005 to -0.001 (163)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

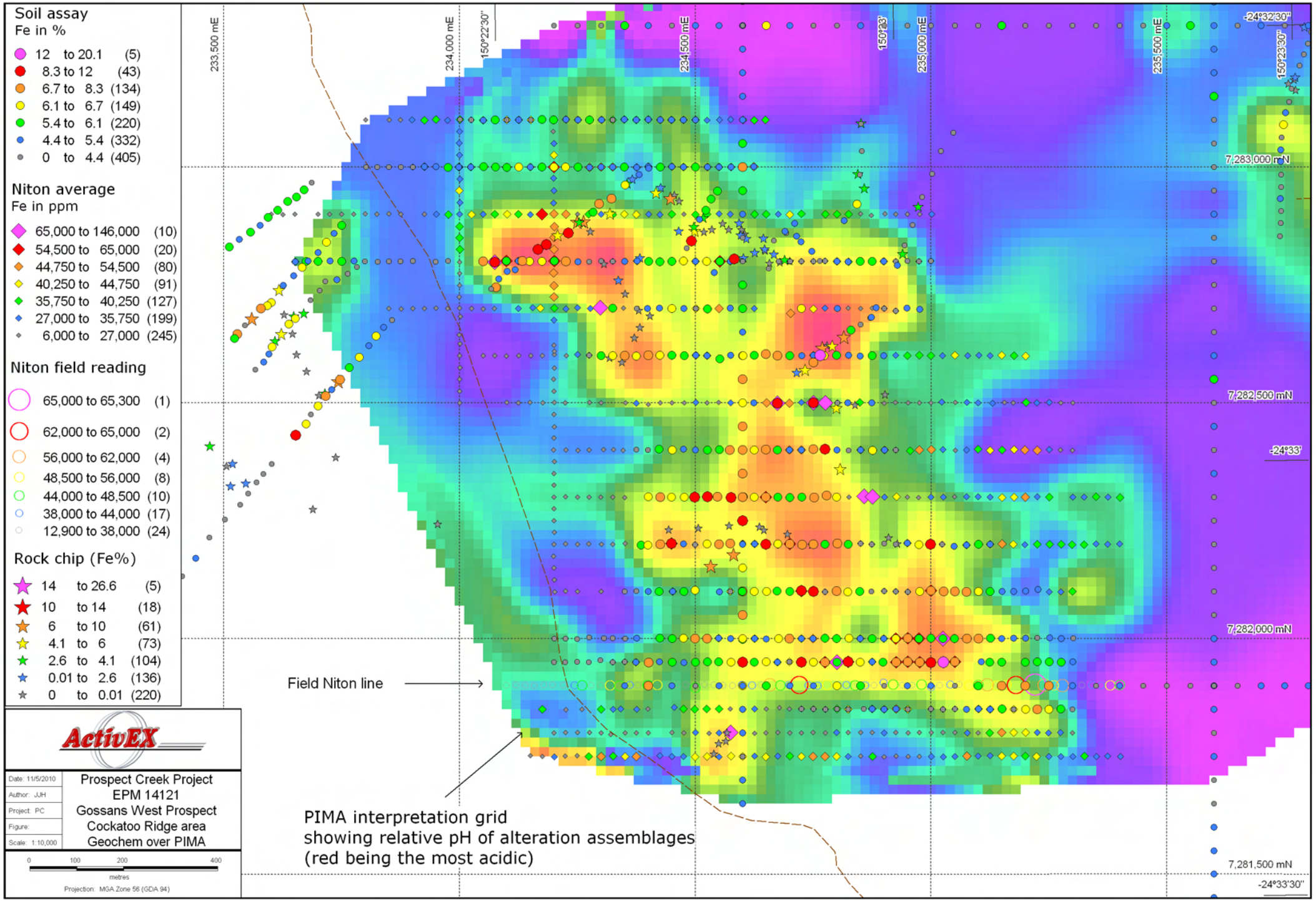

Soil assay
Ba in ppm
225 to 310 (2)
175 to 225 (15)
130 to 175 (69)
110 to 130 (71)
90 to 110 (88)
0.1 to 90 (125)
0 to 0.1 (918)
Niton average
Ba in ppm
500 to 640 (4)
415 to 500 (27)
345 to 415 (80)
295 to 345 (91)
245 to 295 (123)
175 to 245 (200)
0 to 175 (247)
Niton field reading
680 to 687 (2)
605 to 680 (3)
565 to 605 (6)
518 to 565 (8)
430 to 518 (10)
355 to 430 (16)
0 to 355 (21)
Rock chip (Ba ppm)
2,370 to 3,820 (3)
640 to 2,370 (7)
450 to 640 (11)
300 to 450 (16)
125 to 300 (23)
1 to 125 (28)
-10 to 1 (529)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

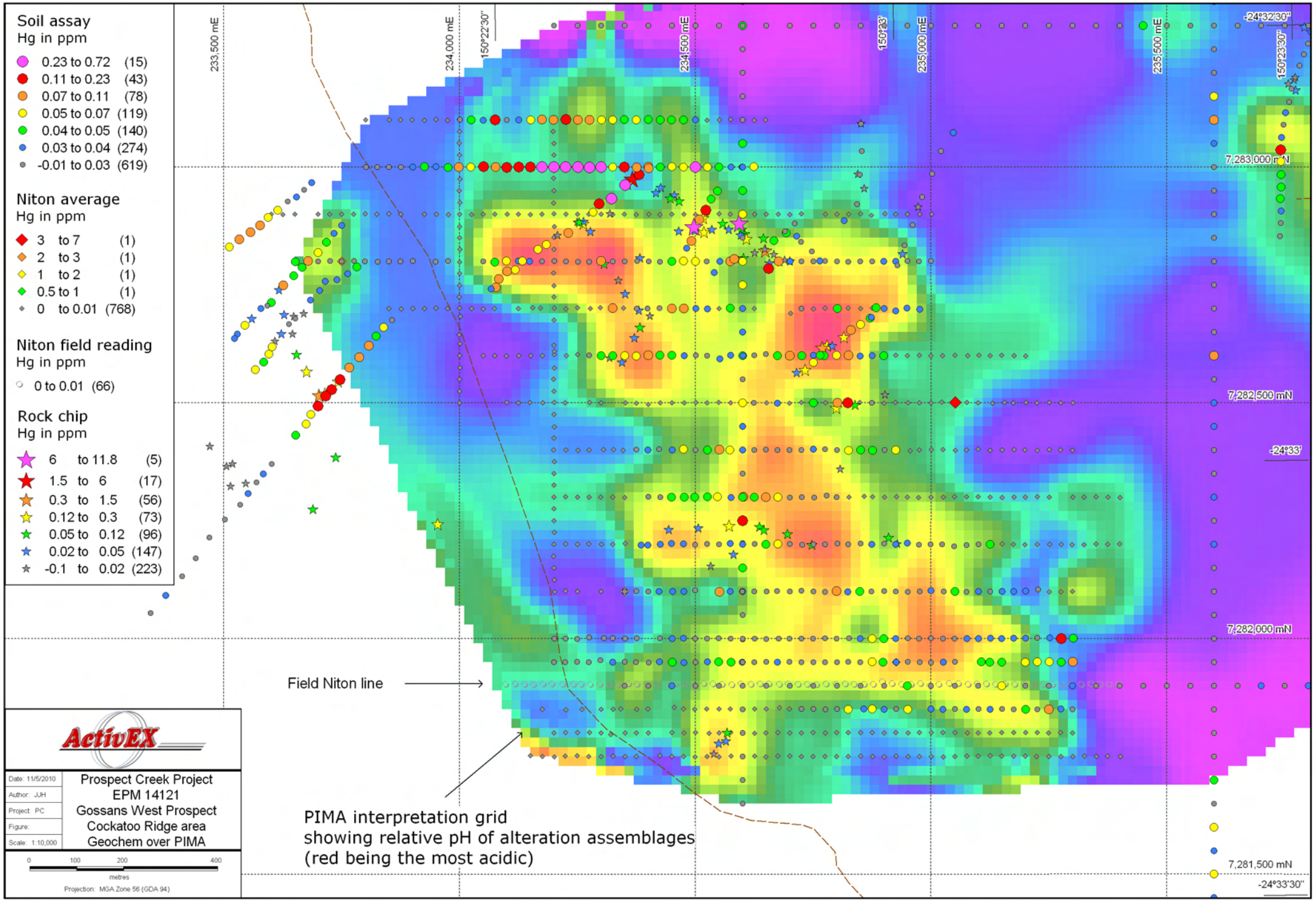

Soil assay
Bi in ppm
13 to 73.4 (11)
7.5 to 13 (35)
3.3 to 7.5 (125)
1.9 to 3.3 (150)
1 to 1.9 (204)
0.3 to 1 (347)
0 to 0.3 (416)
Niton average
Bi in ppm
117 to 177 (2)
34 to 117 (4)
15 to 34 (11)
9 to 15 (11)
6 to 9 (10)
0.1 to 6 (12)
0 to 0.1 (722)
Niton field reading
Bi in ppm
0 to 0.01 (66)
Rock chip assay
Bi in ppm
52 to 101 (3)
13 to 52 (7)
8 to 13 (24)
6 to 8 (23)
4 to 6 (44)
0.1 to 4 (63)
-10 to 0.1 (453)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

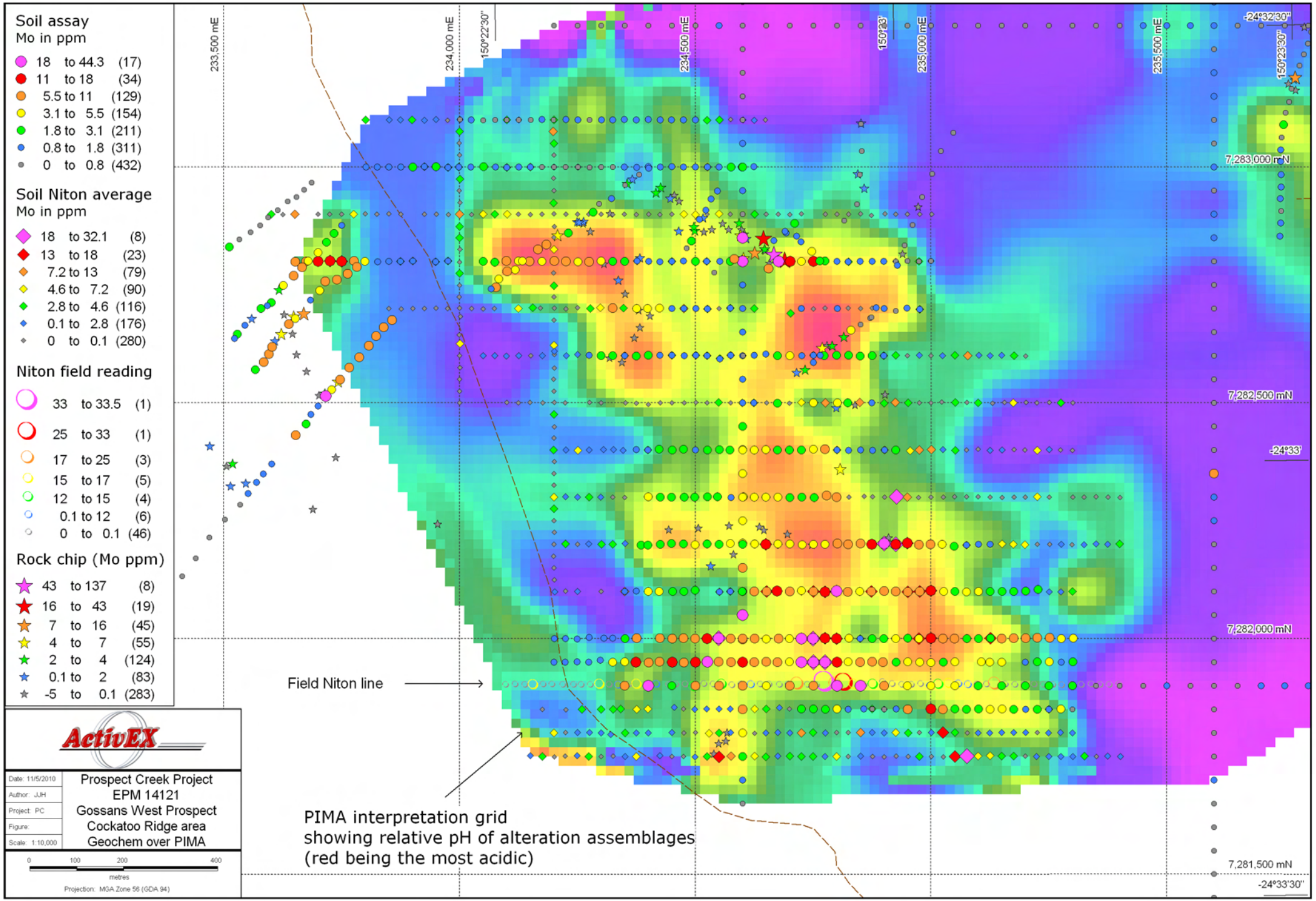

Soil assay
Ca in %
15 to 15.1 (1)
1 to 15 (8)
0.5 to 1 (57)
0.3 to 0.5 (86)
0.15 to 0.3 (104)
0.01 to 0.15 (114)
0 to 0.01 (918)
Niton average
Ca in ppm
20,000 to 56,800 (2)
8,800 to 20,000 (24)
6,300 to 8,800 (84)
5,000 to 6,300 (93)
4,000 to 5,000 (121)
2,750 to 4,000 (204)
0 to 2,750 (244)
Niton field reading
Ca in ppm
99,000 to 106,000 (1)
20,000 to 99,000 (2)
14,000 to 20,000 (7)
8,500 to 14,000 (8)
6,000 to 8,500 (10)
3,000 to 6,000 (17)
0 to 3,000 (21)
Rock chip
Not assayed for Ca
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
7,283,000 mN
7,282,500 mN
-24°33'
7,282,000 mN
7,281,500 mN
-24°33'30"
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

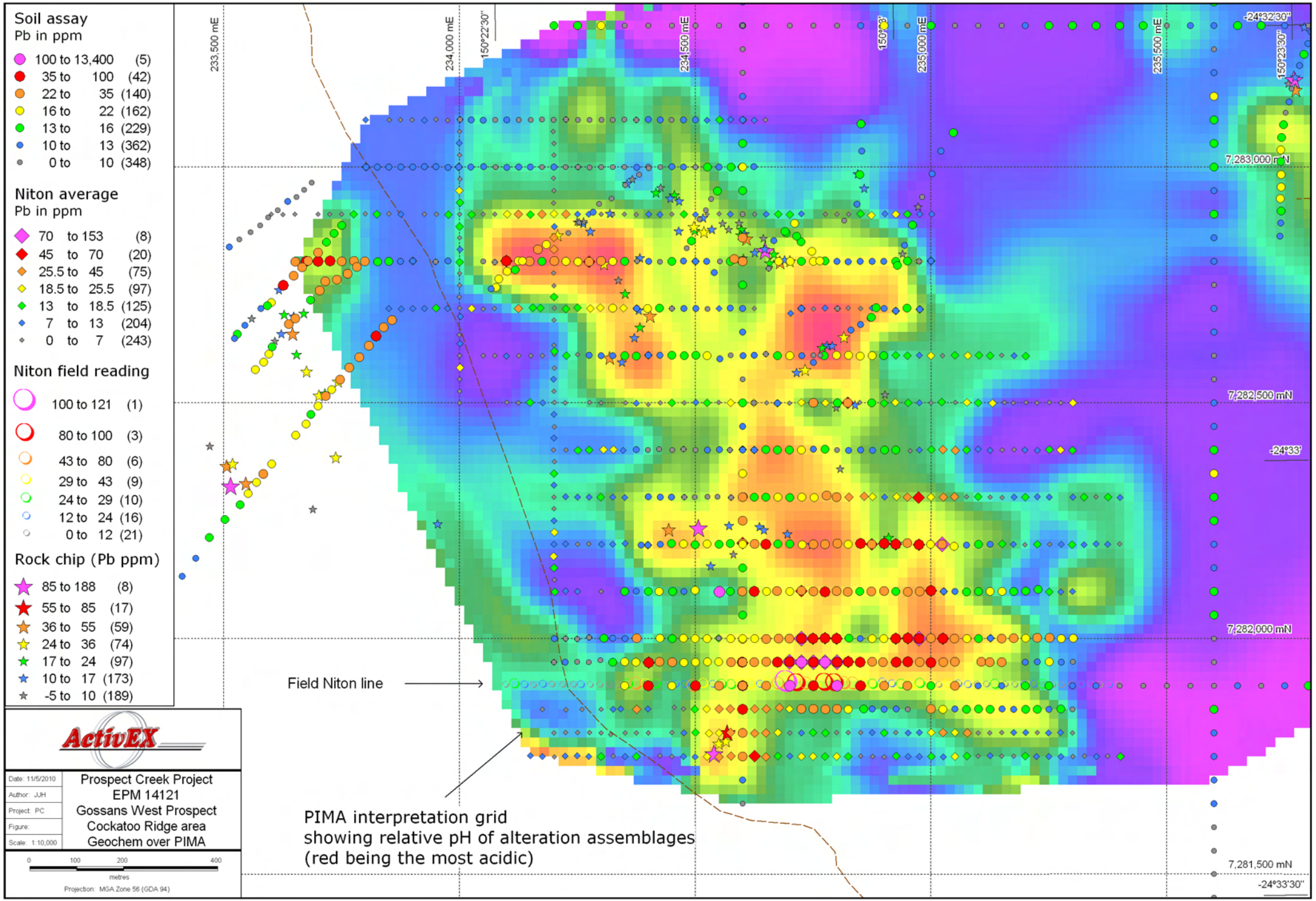

Soil assay
Co in ppm
45 to 63.7 (4)
30 to 45 (31)
23 to 30 (109)
18 to 23 (130)
10 to 18 (166)
0.01 to 10 (250)
0 to 0.01 (598)
Niton average
Co in ppm
630 to 1,950 (8)
470 to 630 (20)
350 to 470 (77)
270 to 350 (94)
195 to 270 (123)
95 to 195 (200)
0 to 95 (250)
Niton field reading
Co in ppm
450 to 500 (1)
330 to 450 (1)
200 to 330 (2)
0 to 0.01 (62)
Rock chip
Not assayed for Co
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

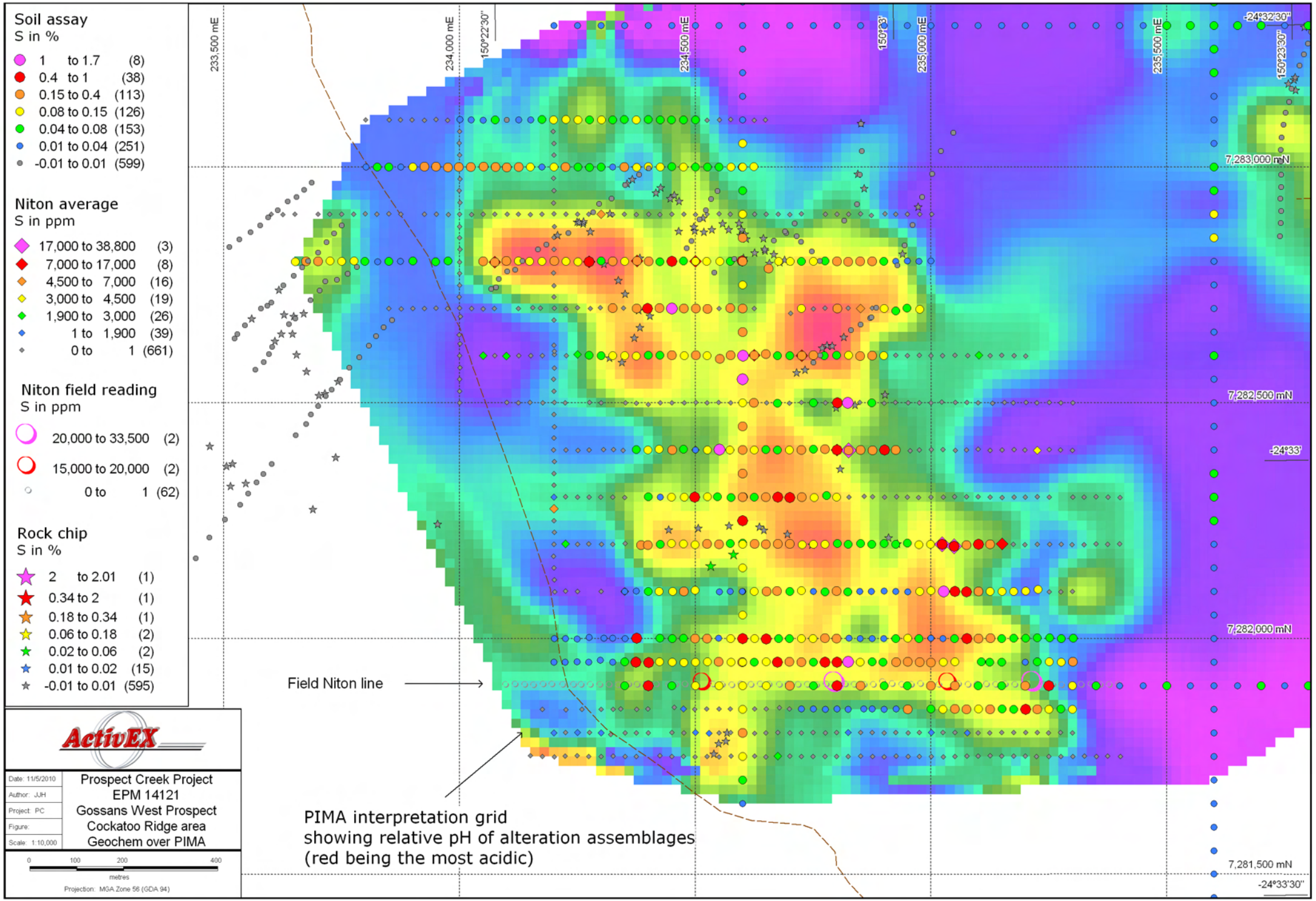

Soil assay
Cu in ppm
150 to 191 (11)
125 to 150 (32)
97 to 125 (133)
82 to 97 (150)
67 to 82 (206)
48 to 67 (340)
0 to 48 (416)
Niton average
Cu in ppm
115 to 158 (4)
97 to 115 (23)
82 to 97 (79)
73 to 82 (104)
63 to 73 (120)
41 to 63 (199)
0 to 41 (243)
Niton field reading
110 to 125 (1)
95 to 110 (3)
70 to 95 (7)
65 to 70 (8)
53 to 65 (9)
1 to 53 (13)
0 to 1 (25)
Rock chip (Cu ppm)
690 to 5,360 (6)
180 to 690 (18)
85 to 180 (59)
51 to 85 (76)
31 to 51 (98)
15 to 31 (162)
-10 to 15 (198)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

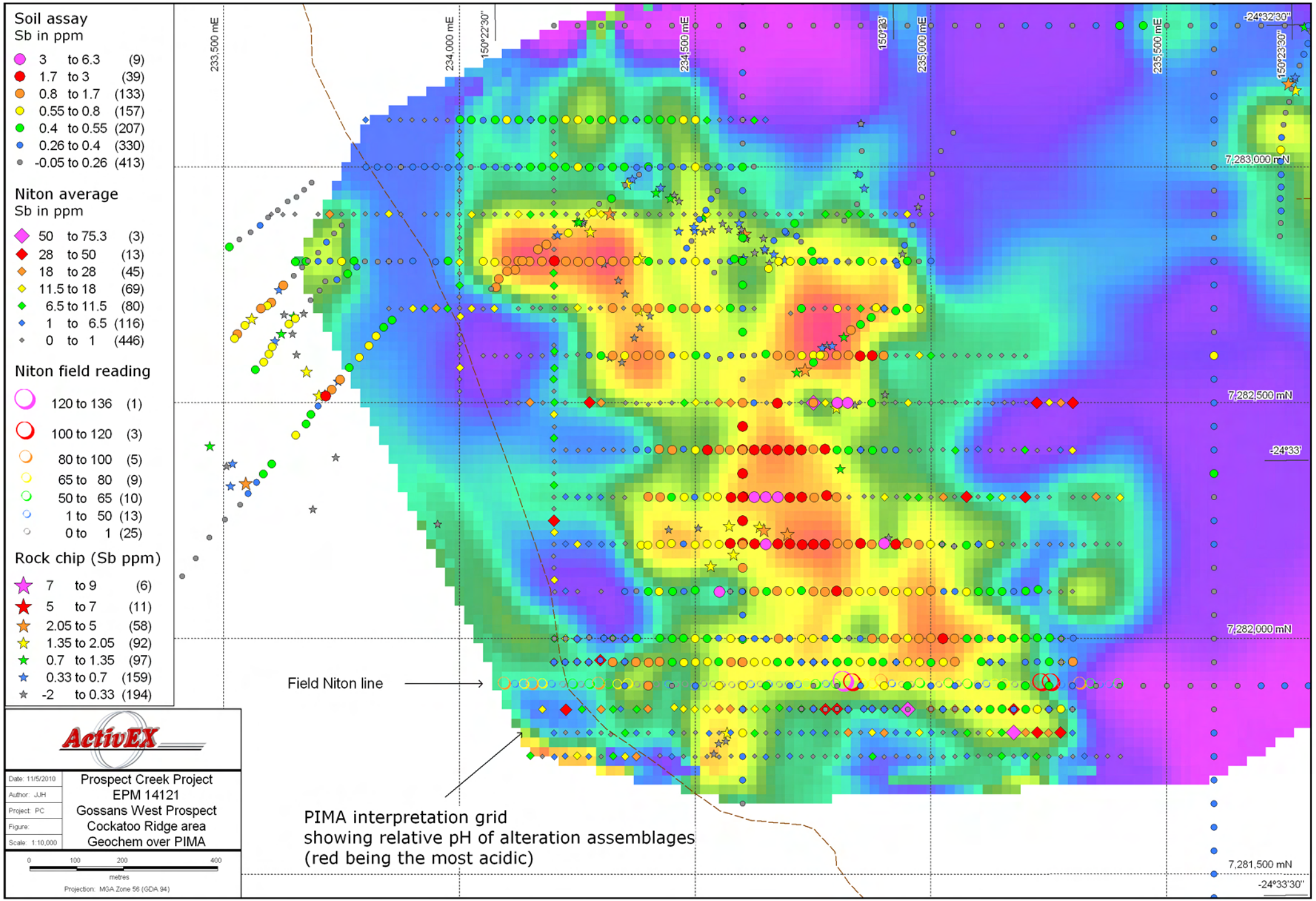

Soil assay
Fe in %
12 to 20.1 (5)
8.3 to 12 (43)
6.7 to 8.3 (134)
6.1 to 6.7 (149)
5.4 to 6.1 (220)
4.4 to 5.4 (332)
0 to 4.4 (405)
Niton average
Fe in ppm
65,000 to 146,000 (10)
54,500 to 65,000 (20)
44,750 to 54,500 (80)
40,250 to 44,750 (91)
35,750 to 40,250 (127)
27,000 to 35,750 (199)
6,000 to 27,000 (245)
Niton field reading
65,000 to 65,300 (1)
62,000 to 65,000 (2)
56,000 to 62,000 (4)
48,500 to 56,000 (8)
44,000 to 48,500 (10)
38,000 to 44,000 (17)
12,900 to 38,000 (24)
Rock chip (Fe%)
14 to 26.6 (5)
10 to 14 (18)
6 to 10 (61)
4.1 to 6 (73)
2.6 to 4.1 (104)
0.01 to 2.6 (136)
0 to 0.01 (220)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

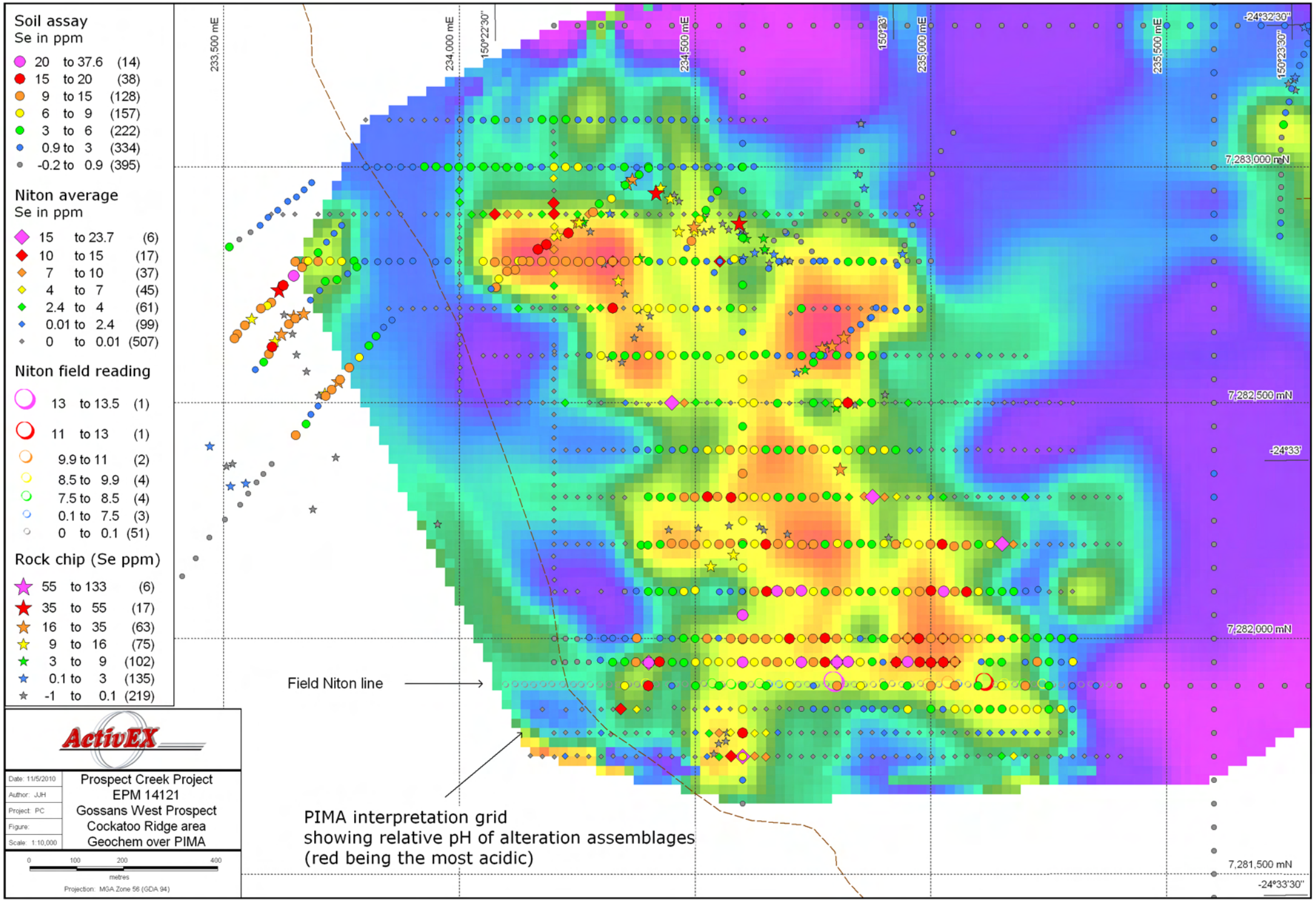

Soil assay
Hg in ppm
0.23 to 0.72 (15)
0.11 to 0.23 (43)
0.07 to 0.11 (78)
0.05 to 0.07 (119)
0.04 to 0.05 (140)
0.03 to 0.04 (274)
-0.01 to 0.03 (619)
Niton average
Hg in ppm
3 to 7 (1)
2 to 3 (1)
1 to 2 (1)
0.5 to 1 (1)
0 to 0.01 (768)
Niton field reading
Hg in ppm
0 to 0.01 (66)
Rock chip
Hg in ppm
6 to 11.8 (5)
1.5 to 6 (17)
0.3 to 1.5 (56)
0.12 to 0.3 (73)
0.05 to 0.12 (96)
0.02 to 0.05 (147)
-0.1 to 0.02 (223)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

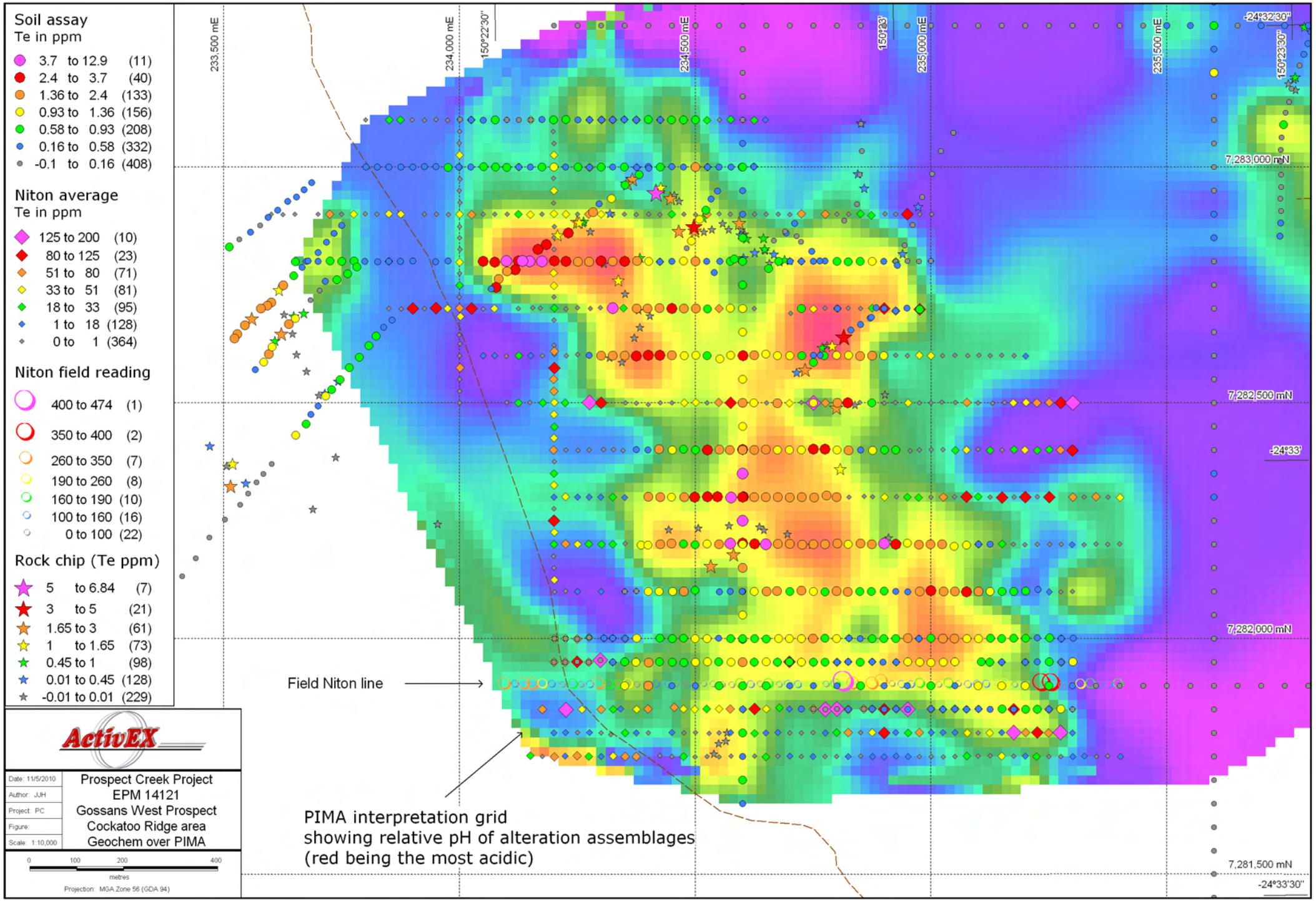

Soil assay
Mo in ppm
18 to 44.3 (17)
11 to 18 (34)
5.5 to 11 (129)
3.1 to 5.5 (154)
1.8 to 3.1 (211)
0.8 to 1.8 (311)
0 to 0.8 (432)
Soil Niton average
Mo in ppm
18 to 32.1 (8)
13 to 18 (23)
7.2 to 13 (79)
4.6 to 7.2 (90)
2.8 to 4.6 (116)
0.1 to 2.8 (176)
0 to 0.1 (280)
Niton field reading
33 to 33.5 (1)
25 to 33 (1)
17 to 25 (3)
15 to 17 (5)
12 to 15 (4)
0.1 to 12 (6)
0 to 0.1 (46)
Rock chip (Mo ppm)
43 to 137 (8)
16 to 43 (19)
7 to 16 (45)
4 to 7 (55)
2 to 4 (124)
0.1 to 2 (83)
-5 to 0.1 (283)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)

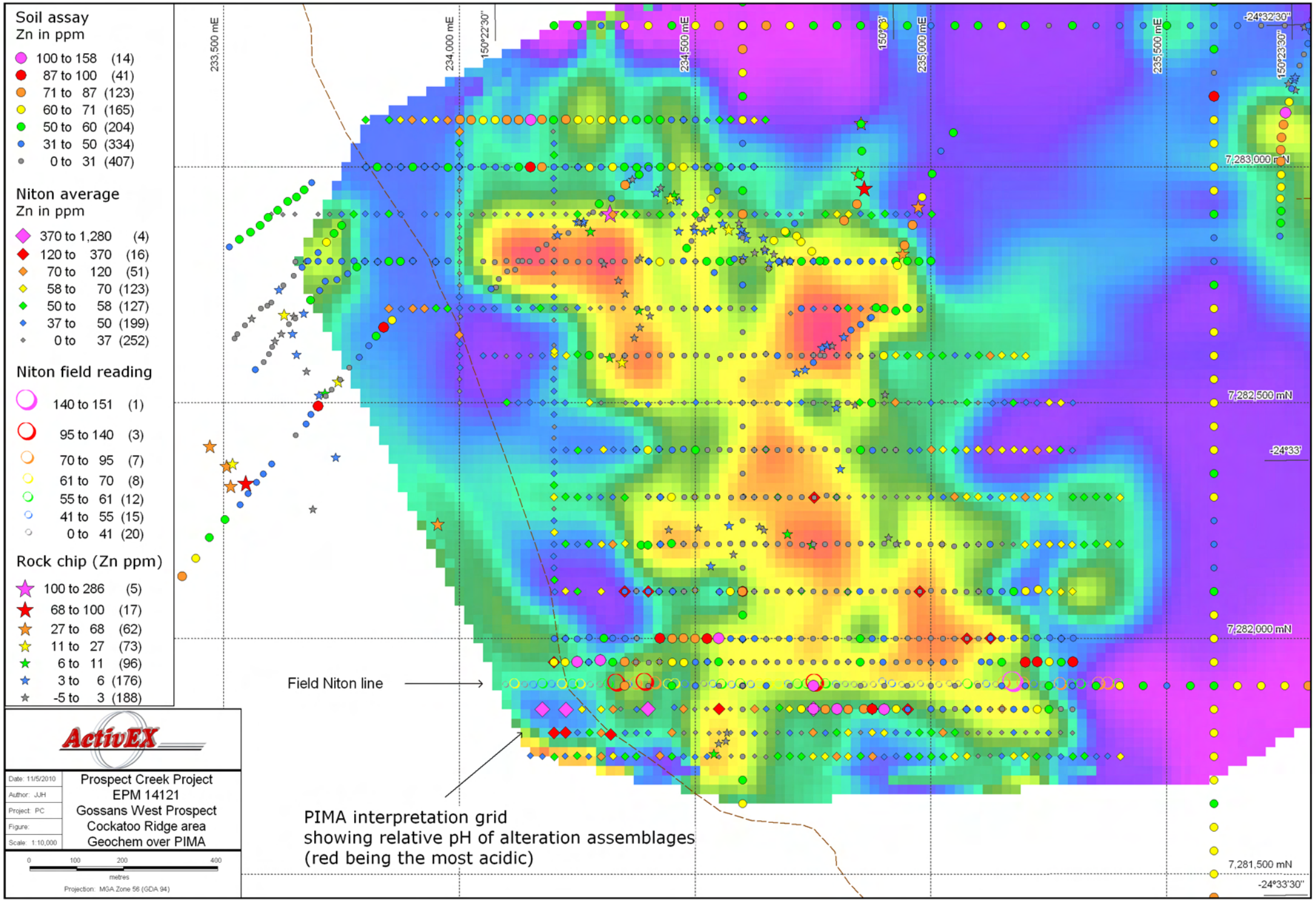

Soil assay
Pb in ppm
100 to 13,400 (5)
35 to 100 (42)
22 to 35 (140)
16 to 22 (162)
13 to 16 (229)
10 to 13 (362)
0 to 10 (348)
Niton average
Pb in ppm
70 to 153 (8)
45 to 70 (20)
25.5 to 45 (75)
18.5 to 25.5 (97)
13 to 18.5 (125)
7 to 13 (204)
0 to 7 (243)
Niton field reading
100 to 121 (1)
80 to 100 (3)
43 to 80 (6)
29 to 43 (9)
24 to 29 (10)
12 to 24 (16)
0 to 12 (21)
Rock chip (Pb ppm)
85 to 188 (8)
55 to 85 (17)
36 to 55 (59)
24 to 36 (74)
17 to 24 (97)
10 to 17 (173)
-5 to 10 (189)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)


Soil assay
S in %
1 to 1.7 (8)
0.4 to 1 (38)
0.15 to 0.4 (113)
0.08 to 0.15 (126)
0.04 to 0.08 (153)
0.01 to 0.04 (251)
-0.01 to 0.01 (599)
Niton average
S in ppm
17,000 to 38,800 (3)
7,000 to 17,000 (8)
4,500 to 7,000 (16)
3,000 to 4,500 (19)
1,900 to 3,000 (26)
1 to 1,900 (39)
0 to 1 (661)
Niton field reading
S in ppm
20,000 to 33,500 (2)
15,000 to 20,000 (2)
0 to 1 (62)
Rock chip
S in %
2 to 2.01 (1)
0.34 to 2 (1)
0.18 to 0.34 (1)
0.06 to 0.18 (2)
0.02 to 0.06 (2)
0.01 to 0.02 (15)
-0.01 to 0.01 (595)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)

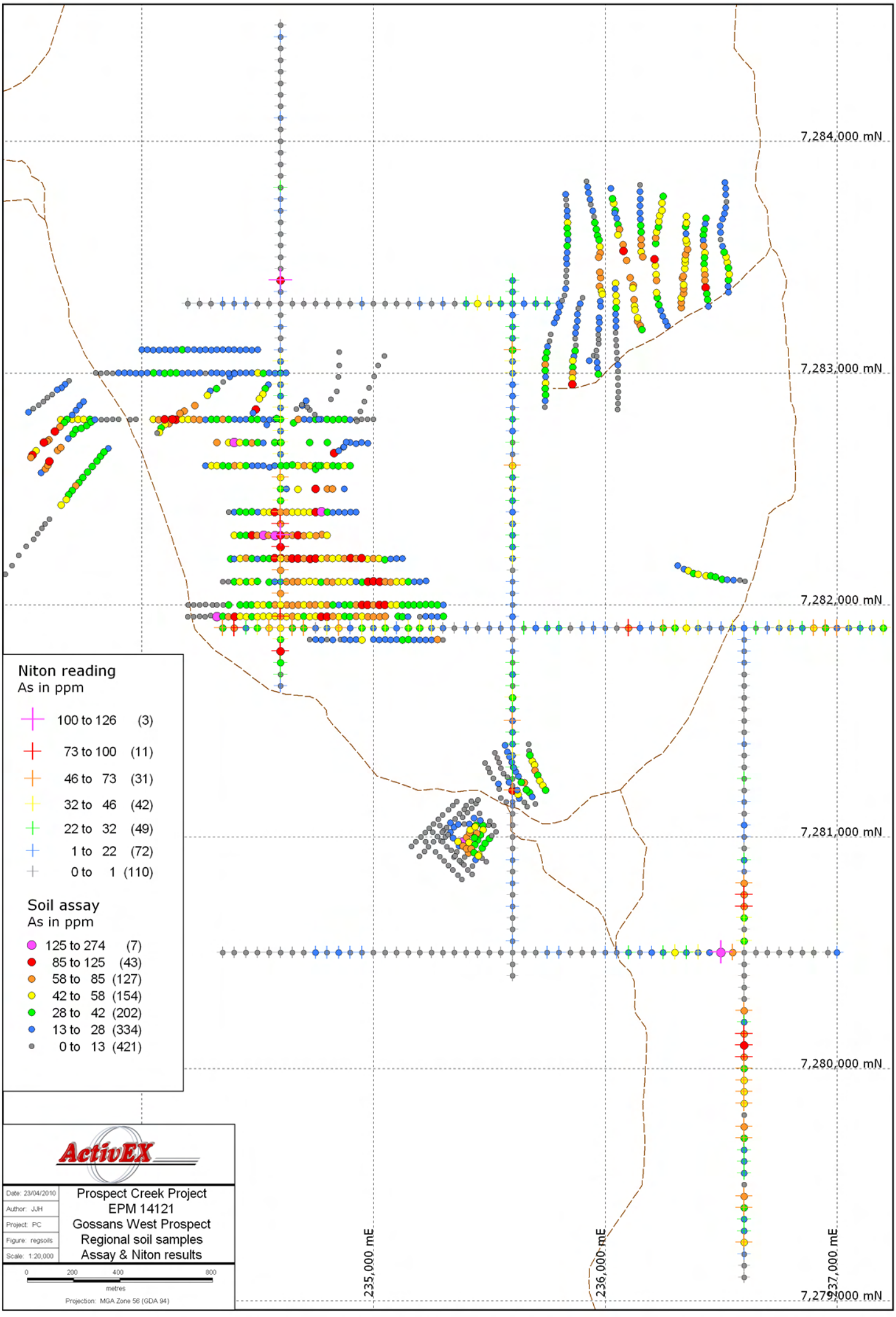

Soil assay
Sb in ppm
3 to 6.3 (9)
1.7 to 3 (39)
0.8 to 1.7 (133)
0.55 to 0.8 (157)
0.4 to 0.55 (207)
0.26 to 0.4 (330)
-0.05 to 0.26 (413)
Niton average
Sb in ppm
50 to 75.3 (3)
28 to 50 (13)
18 to 28 (45)
11.5 to 18 (69)
6.5 to 11.5 (80)
1 to 6.5 (116)
0 to 1 (446)
Niton field reading
120 to 136 (1)
100 to 120 (3)
80 to 100 (5)
65 to 80 (9)
50 to 65 (10)
1 to 50 (13)
0 to 1 (25)
Rock chip (Sb ppm)
7 to 9 (6)
5 to 7 (11)
2.05 to 5 (58)
1.35 to 2.05 (92)
0.7 to 1.35 (97)
0.33 to 0.7 (159)
-2 to 0.33 (194)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

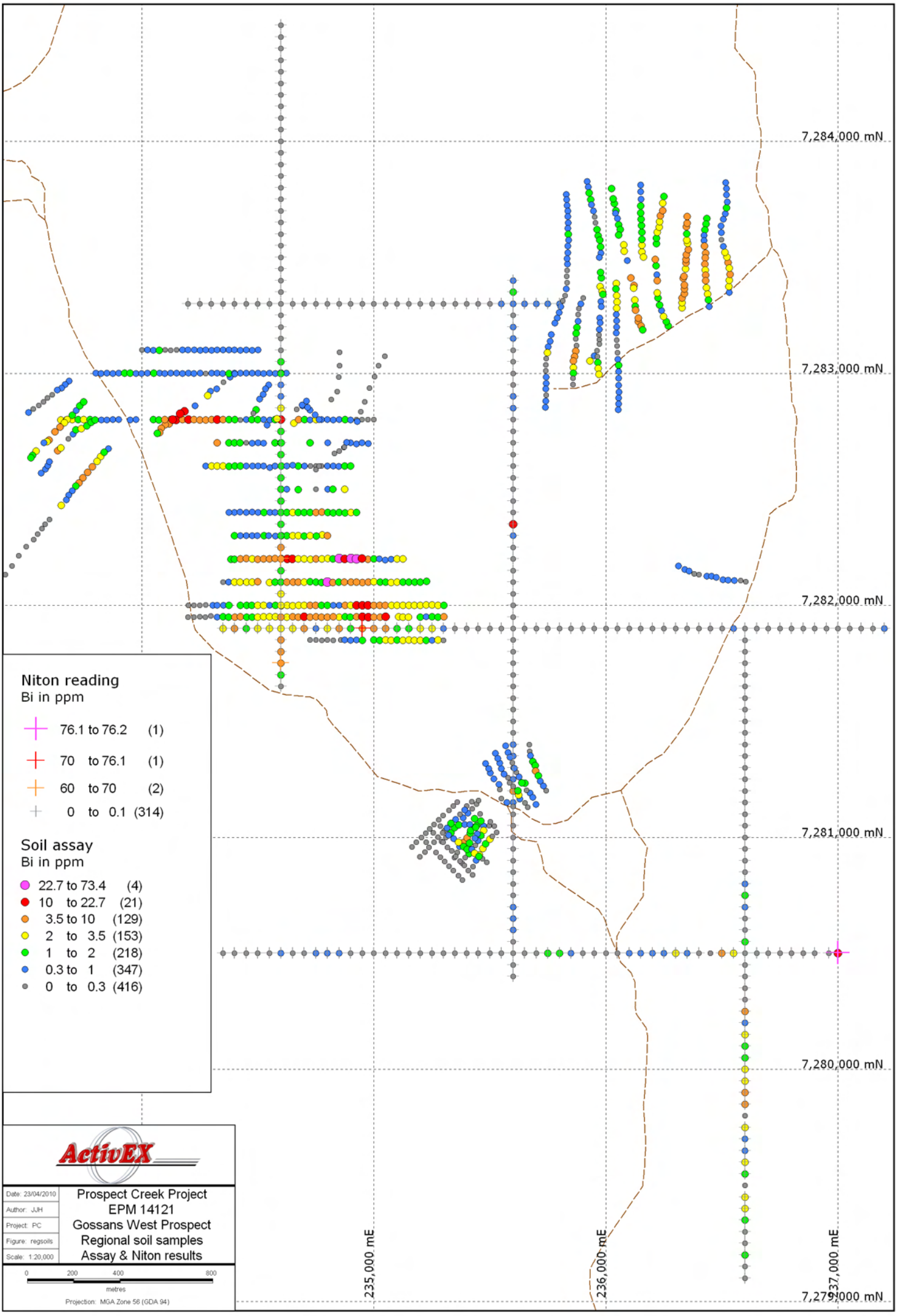

Soil assay
Se in ppm
20 to 37.6 (14)
15 to 20 (38)
9 to 15 (128)
6 to 9 (157)
3 to 6 (222)
0.9 to 3 (334)
-0.2 to 0.9 (395)
Niton average
Se in ppm
15 to 23.7 (6)
10 to 15 (17)
7 to 10 (37)
4 to 7 (45)
2.4 to 4 (61)
0.01 to 2.4 (99)
0 to 0.01 (507)
Niton field reading
13 to 13.5 (1)
11 to 13 (1)
9.9 to 11 (2)
8.5 to 9.9 (4)
7.5 to 8.5 (4)
0.1 to 7.5 (3)
0 to 0.1 (51)
Rock chip (Se ppm)
55 to 133 (6)
35 to 55 (17)
16 to 35 (63)
9 to 16 (75)
3 to 9 (102)
0.1 to 3 (135)
-1 to 0.1 (219)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)

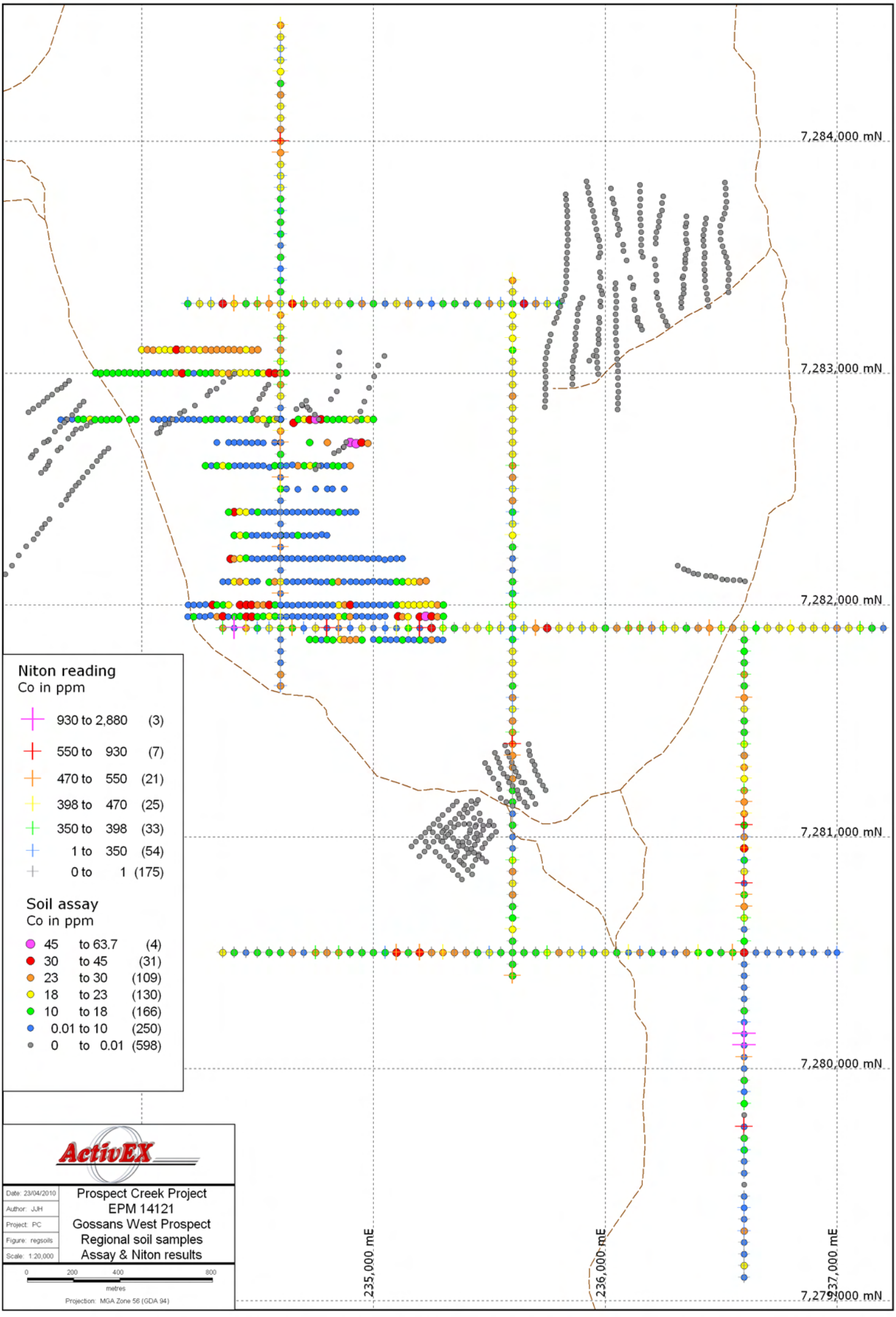

Soil assay
Te in ppm
3.7 to 12.9 (11)
2.4 to 3.7 (40)
1.36 to 2.4 (133)
0.93 to 1.36 (156)
0.58 to 0.93 (208)
0.16 to 0.58 (332)
-0.1 to 0.16 (408)
Niton average
Te in ppm
125 to 200 (10)
80 to 125 (23)
51 to 80 (71)
33 to 51 (81)
18 to 33 (95)
1 to 18 (128)
0 to 1 (364)
Niton field reading
400 to 474 (1)
350 to 400 (2)
260 to 350 (7)
190 to 260 (8)
160 to 190 (10)
100 to 160 (16)
0 to 100 (22)
Rock chip (Te ppm)
5 to 6.84 (7)
3 to 5 (21)
1.65 to 3 (61)
1 to 1.65 (73)
0.45 to 1 (98)
0.01 to 0.45 (128)
-0.01 to 0.01 (229)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

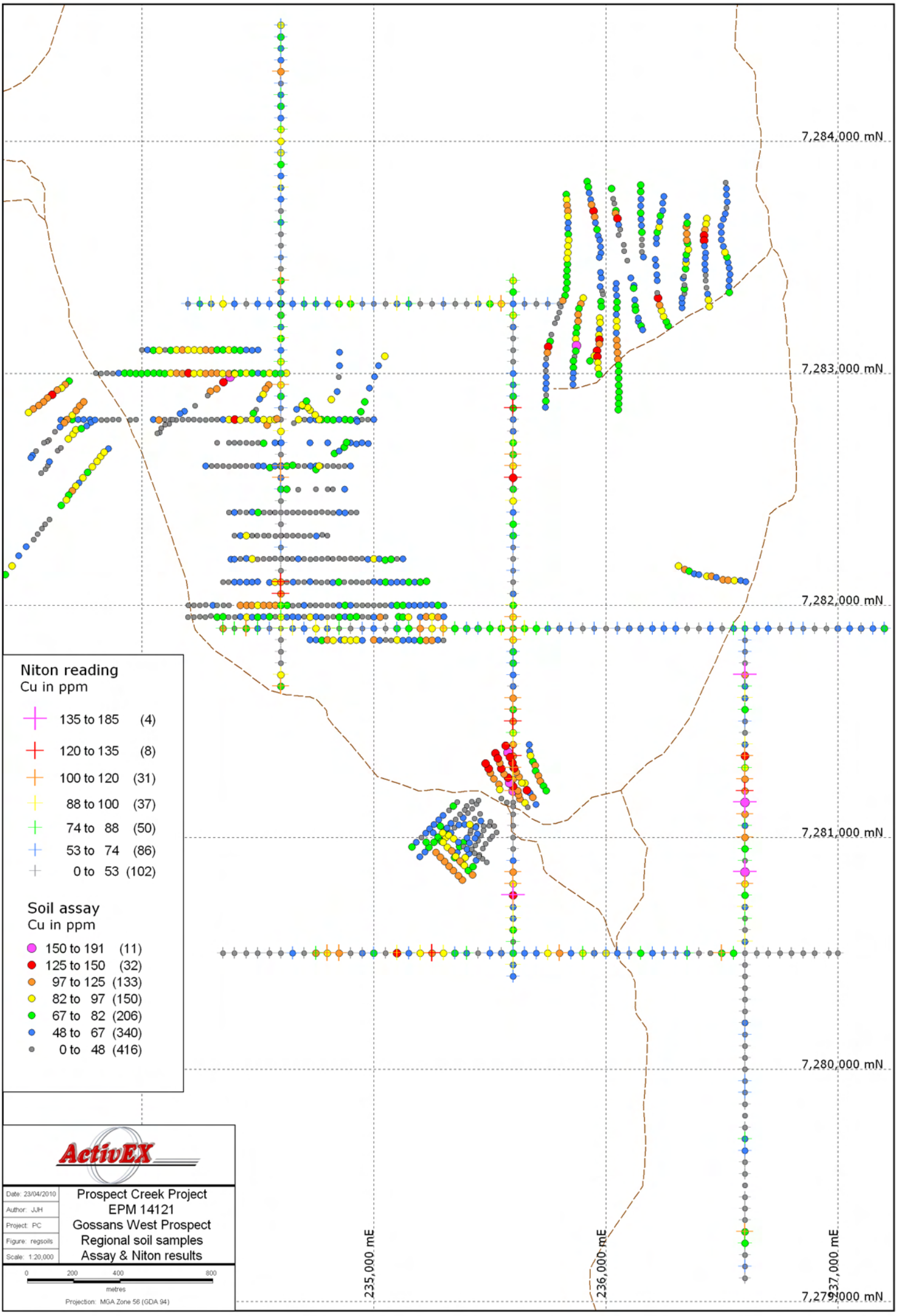

Soil assay
Zn in ppm
100 to 158 (14)
87 to 100 (41)
71 to 87 (123)
60 to 71 (165)
50 to 60 (204)
31 to 50 (334)
0 to 31 (407)
Niton average
Zn in ppm
370 to 1,280 (4)
120 to 370 (16)
70 to 120 (51)
58 to 70 (123)
50 to 58 (127)
37 to 50 (199)
0 to 37 (252)
Niton field reading
140 to 151 (1)
95 to 140 (3)
70 to 95 (7)
61 to 70 (8)
55 to 61 (12)
41 to 55 (15)
0 to 41 (20)
Rock chip (Zn ppm)
100 to 286 (5)
68 to 100 (17)
27 to 68 (62)
11 to 27 (73)
6 to 11 (96)
3 to 6 (176)
-5 to 3 (188)
233,500 mE
234,000 mE
234,500 mE
235,000 mE
235,500 mE
150°22'30"
150°23'
150°23'30"
-24°32'30"
-24°33'
-24°33'30"
7,283,000 mN
7,282,500 mN
7,282,000 mN
7,281,500 mN
Field Niton line
PIMA interpretation grid
showing relative pH of alteration assemblages
(red being the most acidic)
ActivEX
Date: 11/5/2010
Author: JJH
Project: PC
Figure:
Scale: 1:10,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Cockatoo Ridge area
Geochem over PIMA
0 100 200 400
metres
Projection: MGA Zone 56 (GDA 94)

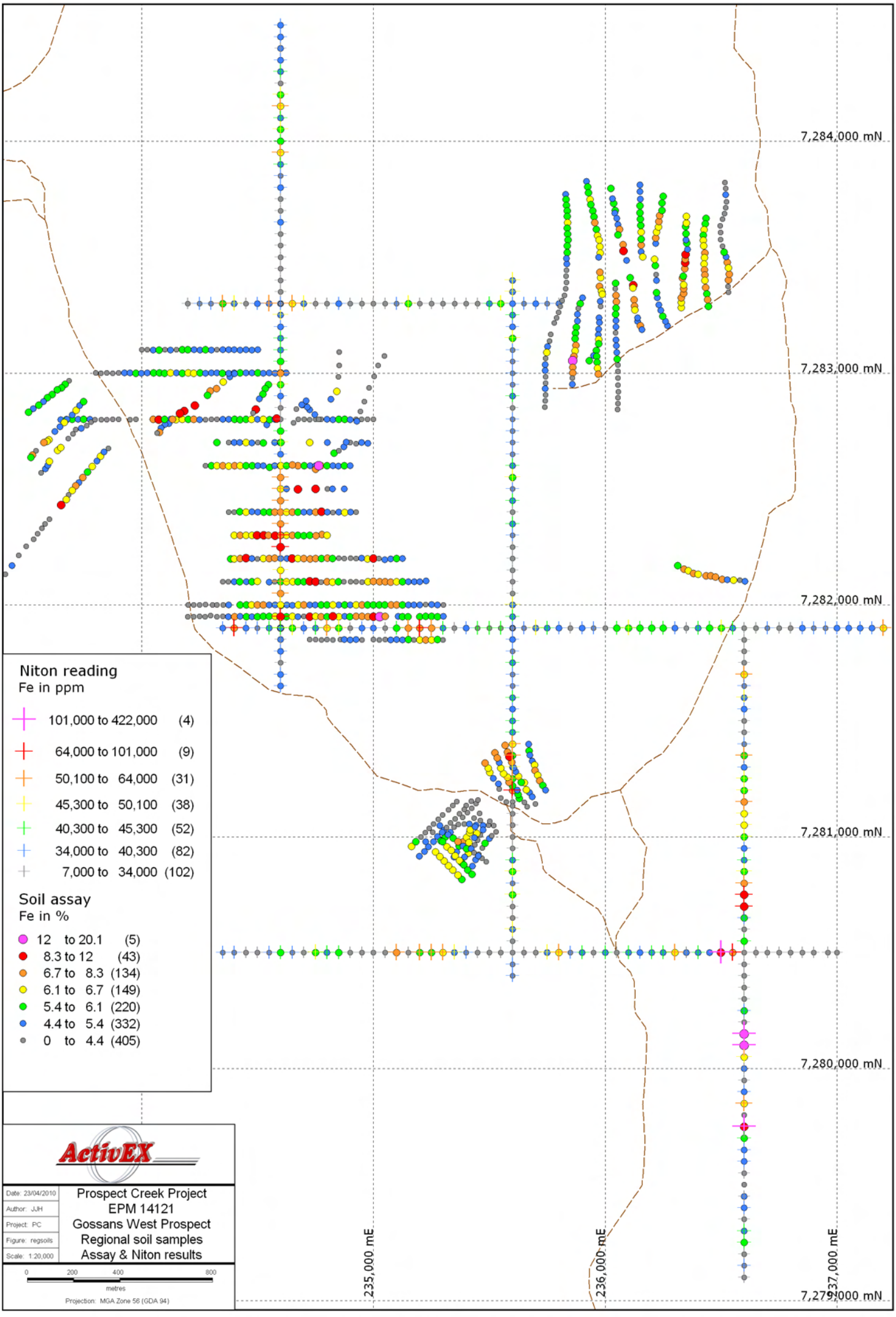
APPENDIX V

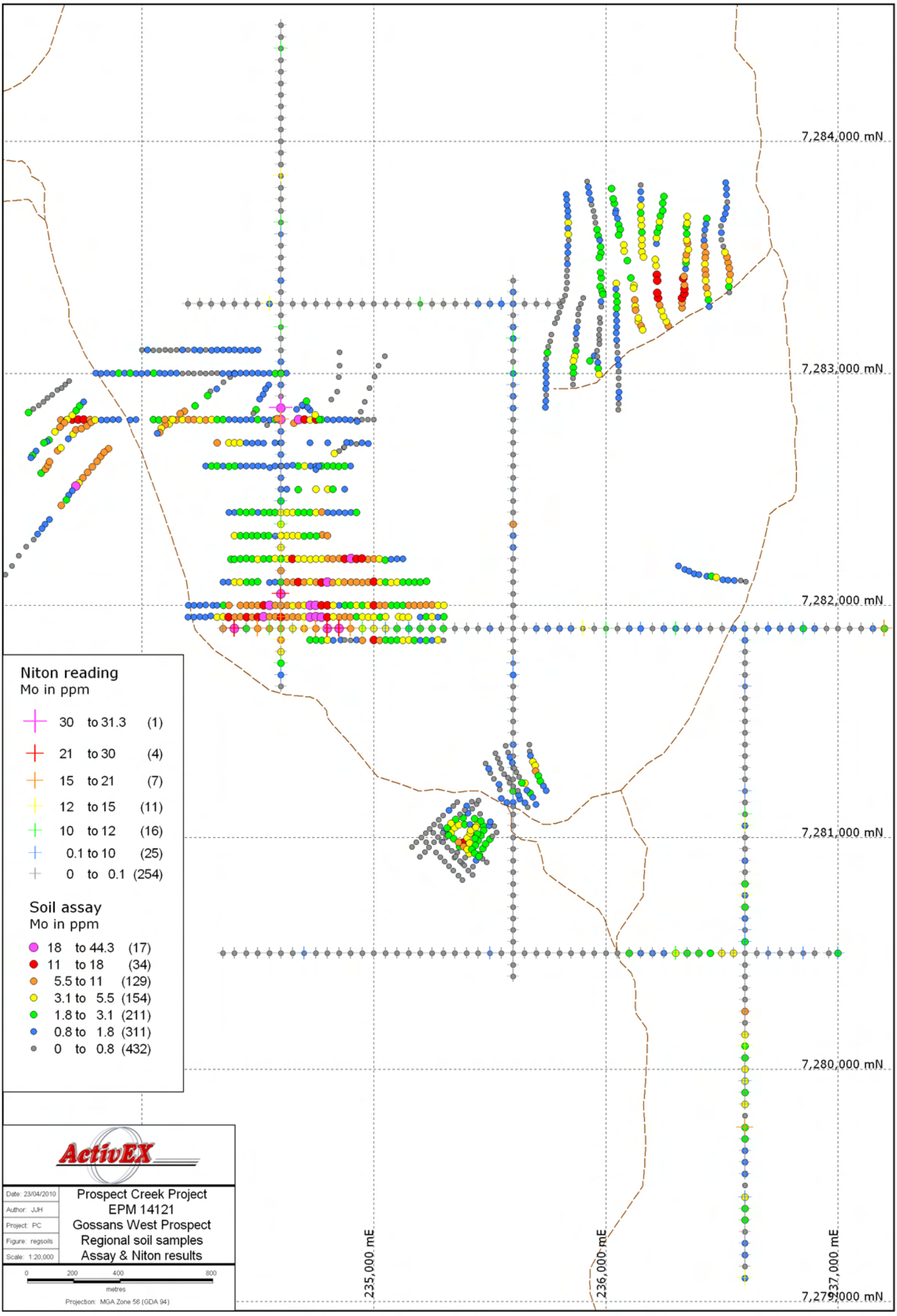

7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
As in ppm
100 to 126 (3)
73 to 100 (11)
46 to 73 (31)
32 to 46 (42)
22 to 32 (49)
1 to 22 (72)
0 to 1 (110)
Soil assay
As in ppm
125 to 274 (7)
85 to 125 (43)
58 to 85 (127)
42 to 58 (154)
28 to 42 (202)
13 to 28 (334)
0 to 13 (421)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0 200 400 800
metres
Projection: MGA Zone 56 (GDA 94)

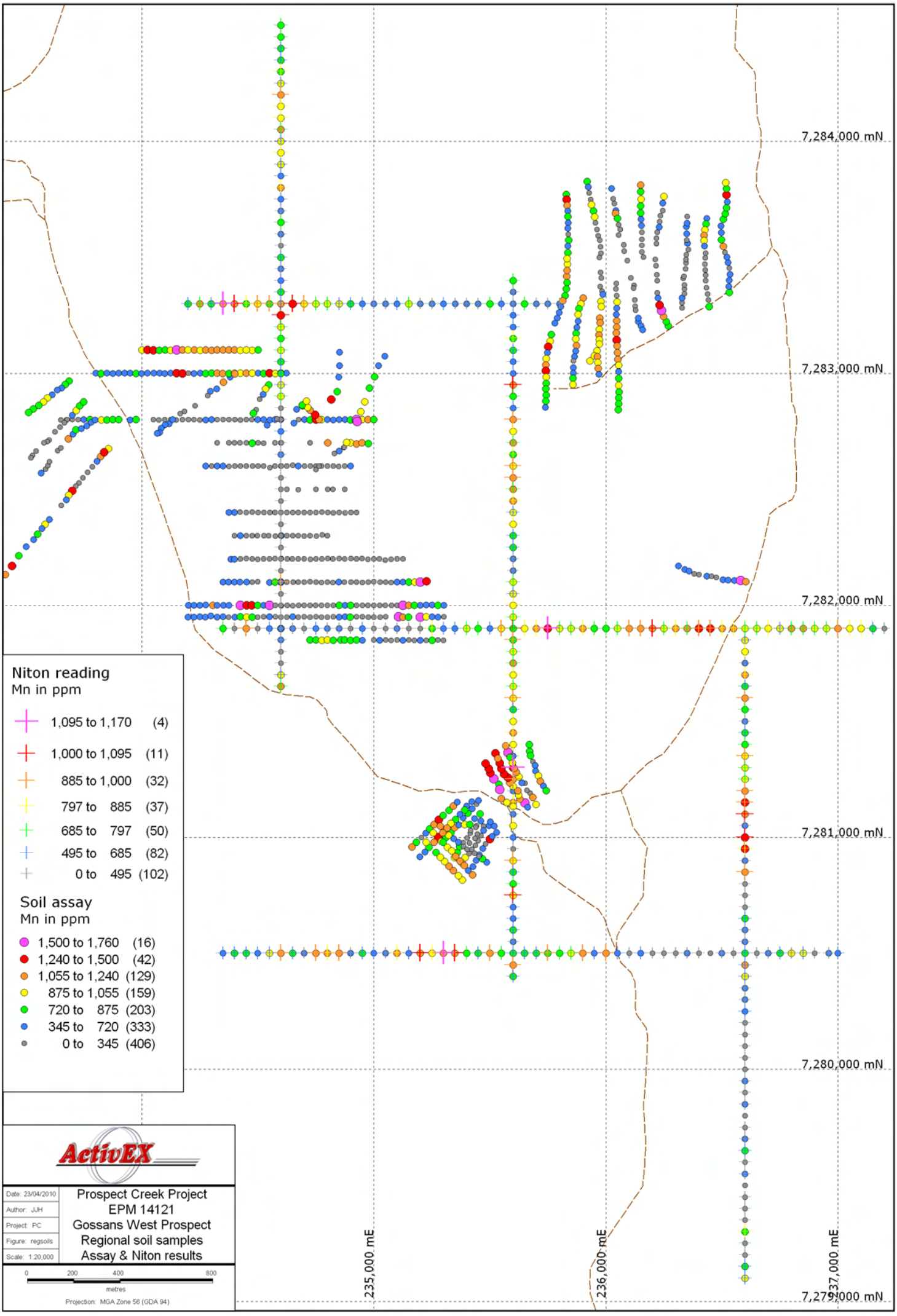

7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Bi in ppm
76.1 to 76.2 (1)
70 to 76.1 (1)
60 to 70 (2)
0 to 0.1 (314)
Soil assay
Bi in ppm
22.7 to 73.4 (4)
10 to 22.7 (21)
3.5 to 10 (129)
2 to 3.5 (153)
1 to 2 (218)
0.3 to 1 (347)
0 to 0.3 (416)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0
200
400
800
metres
Projection: MGA Zone 56 (GDA 94)

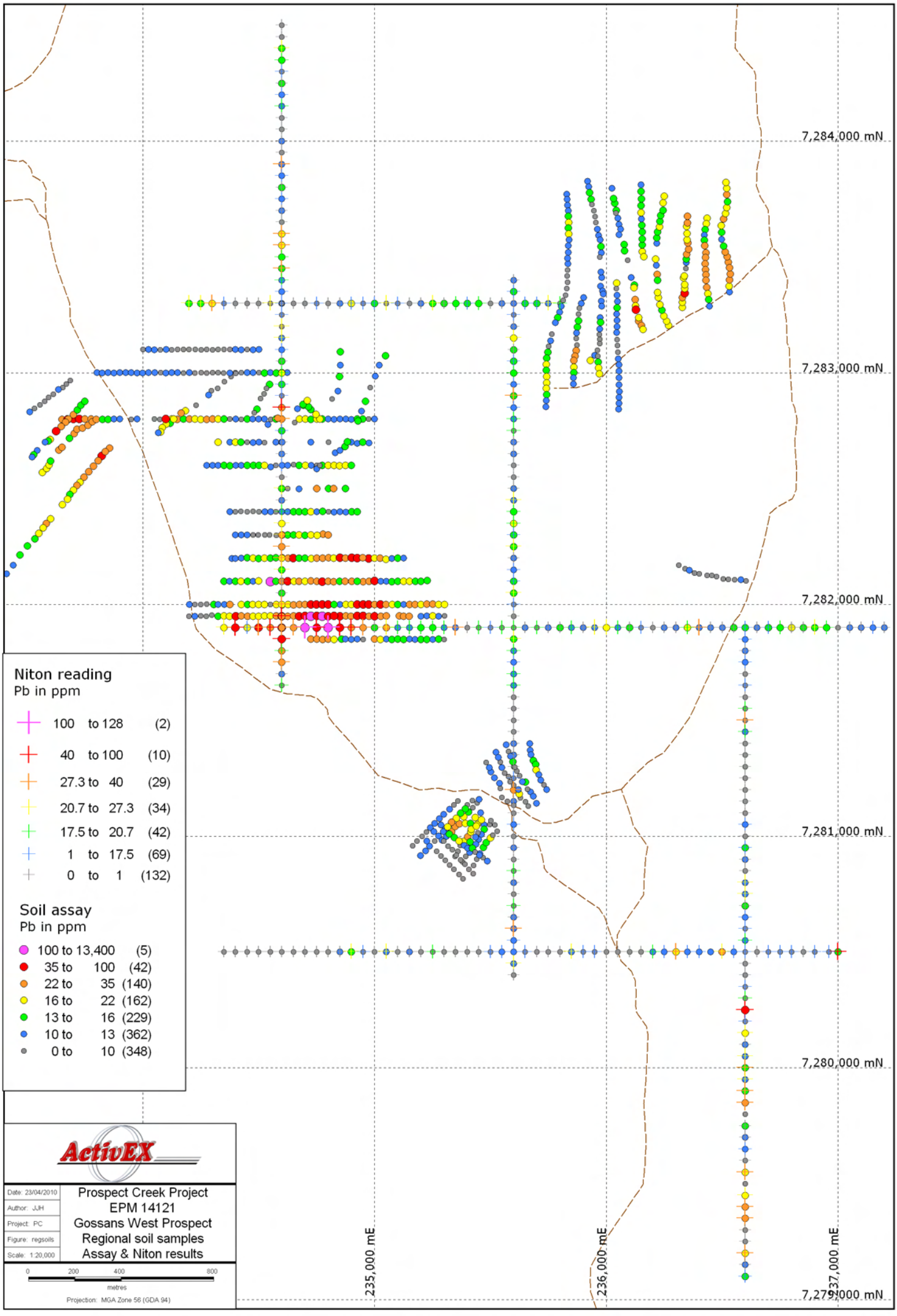

7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Co in ppm
930 to 2,880 (3)
550 to 930 (7)
470 to 550 (21)
398 to 470 (25)
350 to 398 (33)
1 to 350 (54)
0 to 1 (175)
Soil assay
Co in ppm
45 to 63.7 (4)
30 to 45 (31)
23 to 30 (109)
18 to 23 (130)
10 to 18 (166)
0.01 to 10 (250)
0 to 0.01 (598)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0 200 400 800
metres
Projection: MGA Zone 56 (GDA 94)

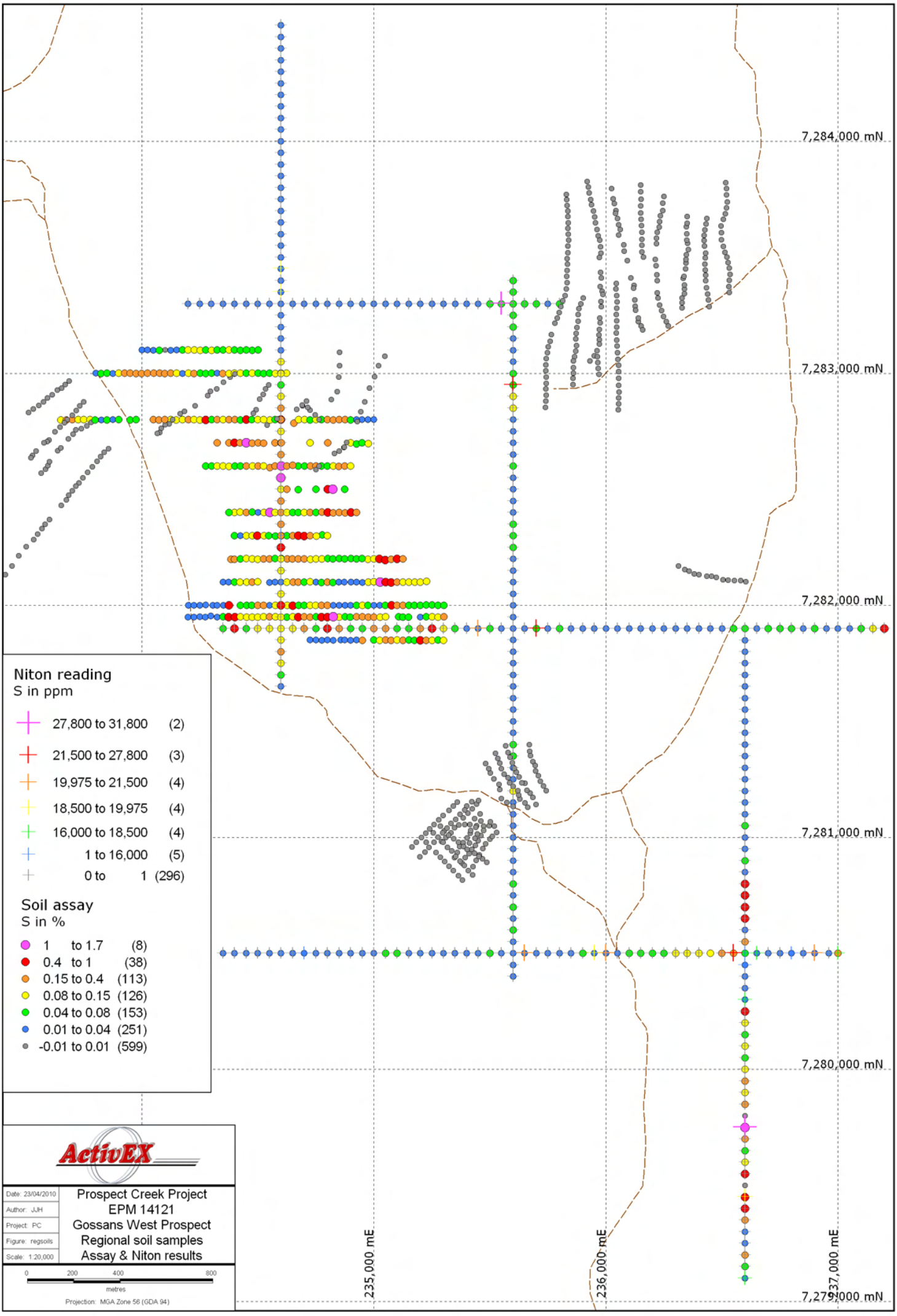

7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Cu in ppm
135 to 185 (4)
120 to 135 (8)
100 to 120 (31)
88 to 100 (37)
74 to 88 (50)
53 to 74 (86)
0 to 53 (102)
Soil assay
Cu in ppm
150 to 191 (11)
125 to 150 (32)
97 to 125 (133)
82 to 97 (150)
67 to 82 (206)
48 to 67 (340)
0 to 48 (416)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0 200 400 800
metres
Projection: MGA Zone 56 (GDA 94)

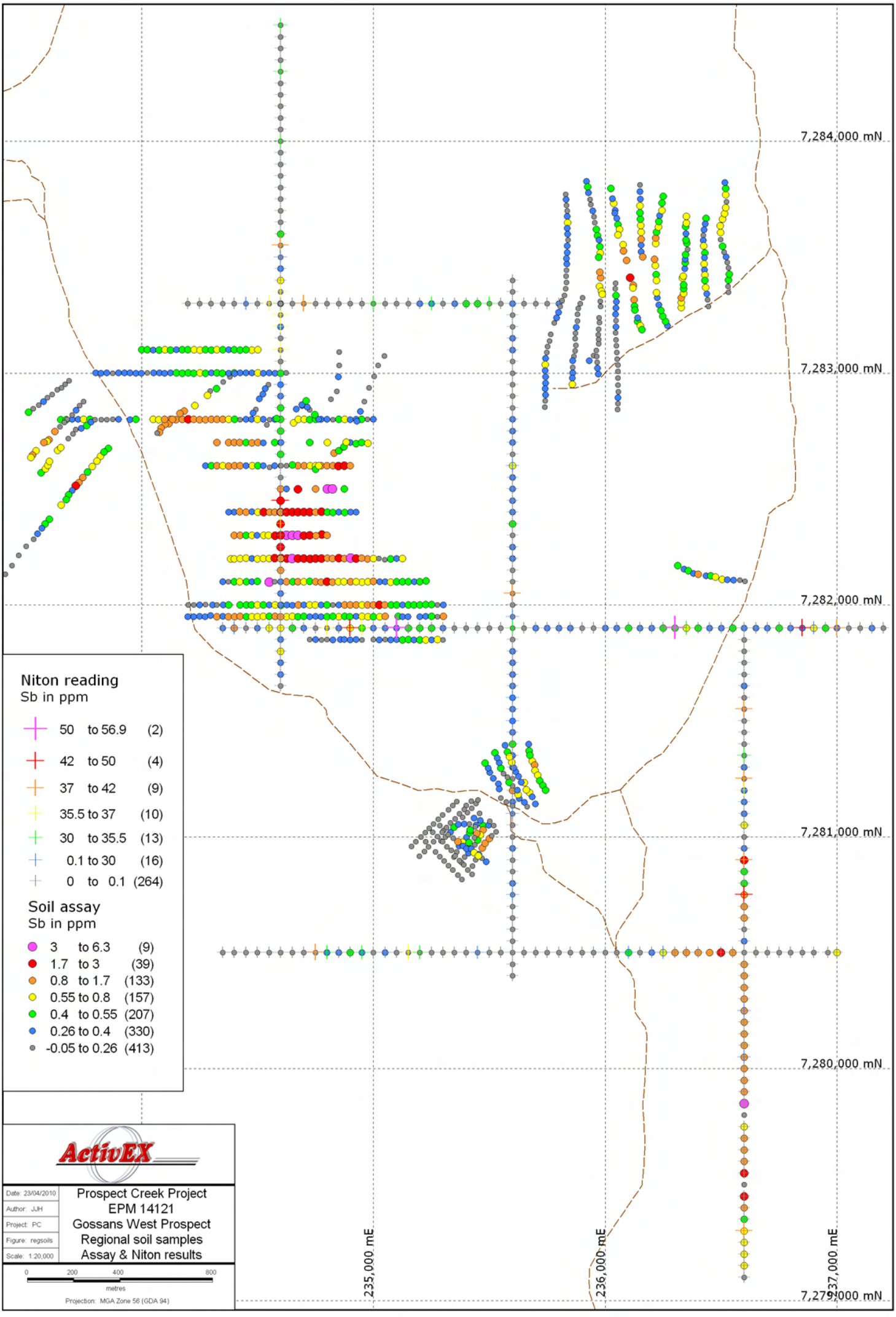

7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Fe in ppm
101,000 to 422,000 (4)
64,000 to 101,000 (9)
50,100 to 64,000 (31)
45,300 to 50,100 (38)
40,300 to 45,300 (52)
34,000 to 40,300 (82)
7,000 to 34,000 (102)
Soil assay
Fe in %
12 to 20.1 (5)
8.3 to 12 (43)
6.7 to 8.3 (134)
6.1 to 6.7 (149)
5.4 to 6.1 (220)
4.4 to 5.4 (332)
0 to 4.4 (405)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0
200
400
800
metres
Projection: MGA Zone 56 (GDA 94)

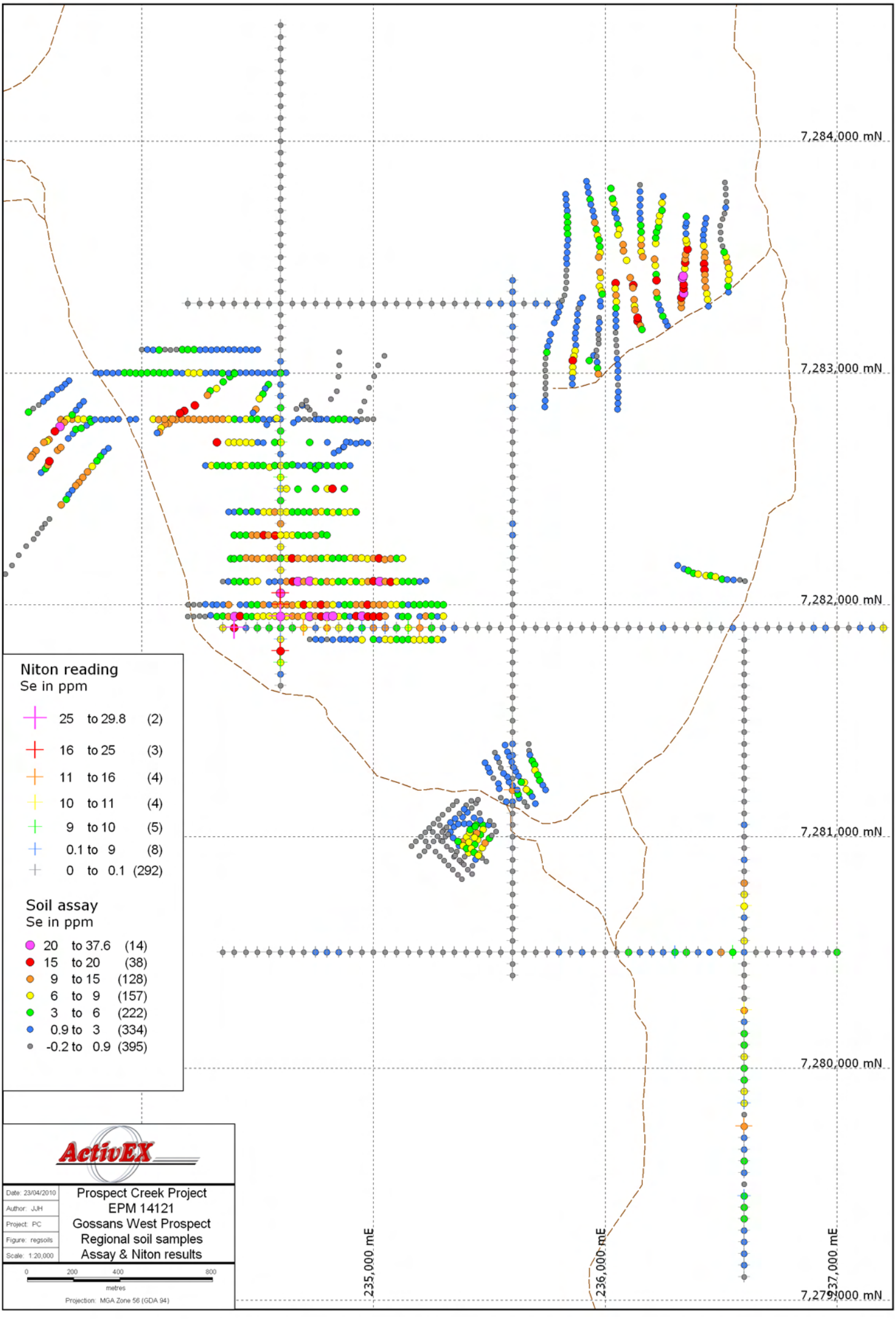

7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Mo in ppm
30 to 31.3 (1)
21 to 30 (4)
15 to 21 (7)
12 to 15 (11)
10 to 12 (16)
0.1 to 10 (25)
0 to 0.1 (254)
Soil assay
Mo in ppm
18 to 44.3 (17)
11 to 18 (34)
5.5 to 11 (129)
3.1 to 5.5 (154)
1.8 to 3.1 (211)
0.8 to 1.8 (311)
0 to 0.8 (432)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0
200
400
800
metres
Projection: MGA Zone 56 (GDA 94)

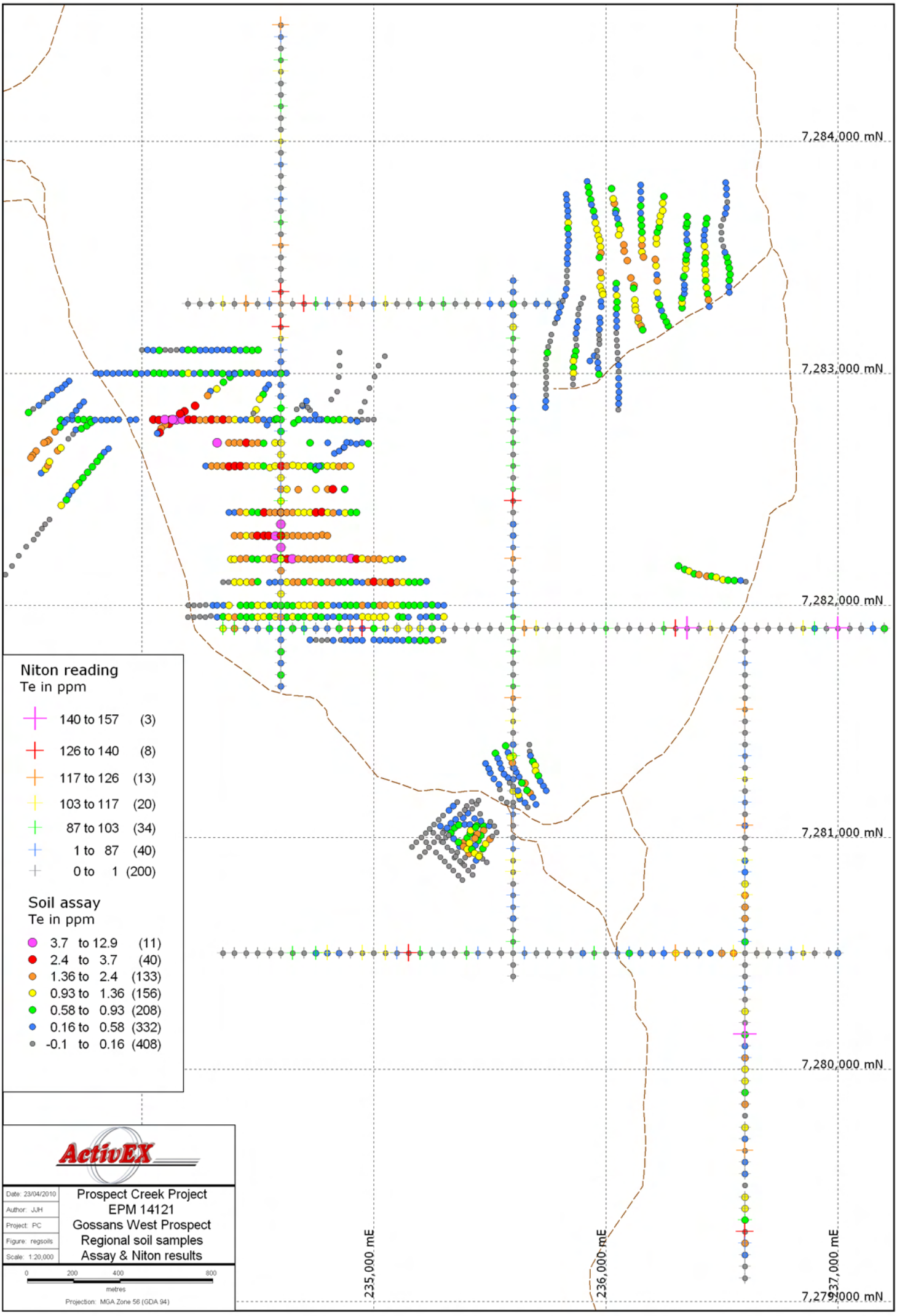

7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Mn in ppm
1,095 to 1,170 (4)
1,000 to 1,095 (11)
885 to 1,000 (32)
797 to 885 (37)
685 to 797 (50)
495 to 685 (82)
0 to 495 (102)
Soil assay
Mn in ppm
1,500 to 1,760 (16)
1,240 to 1,500 (42)
1,055 to 1,240 (129)
875 to 1,055 (159)
720 to 875 (203)
345 to 720 (333)
0 to 345 (406)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0
200
400
800
metres
Projection: MGA Zone 56 (GDA 94)

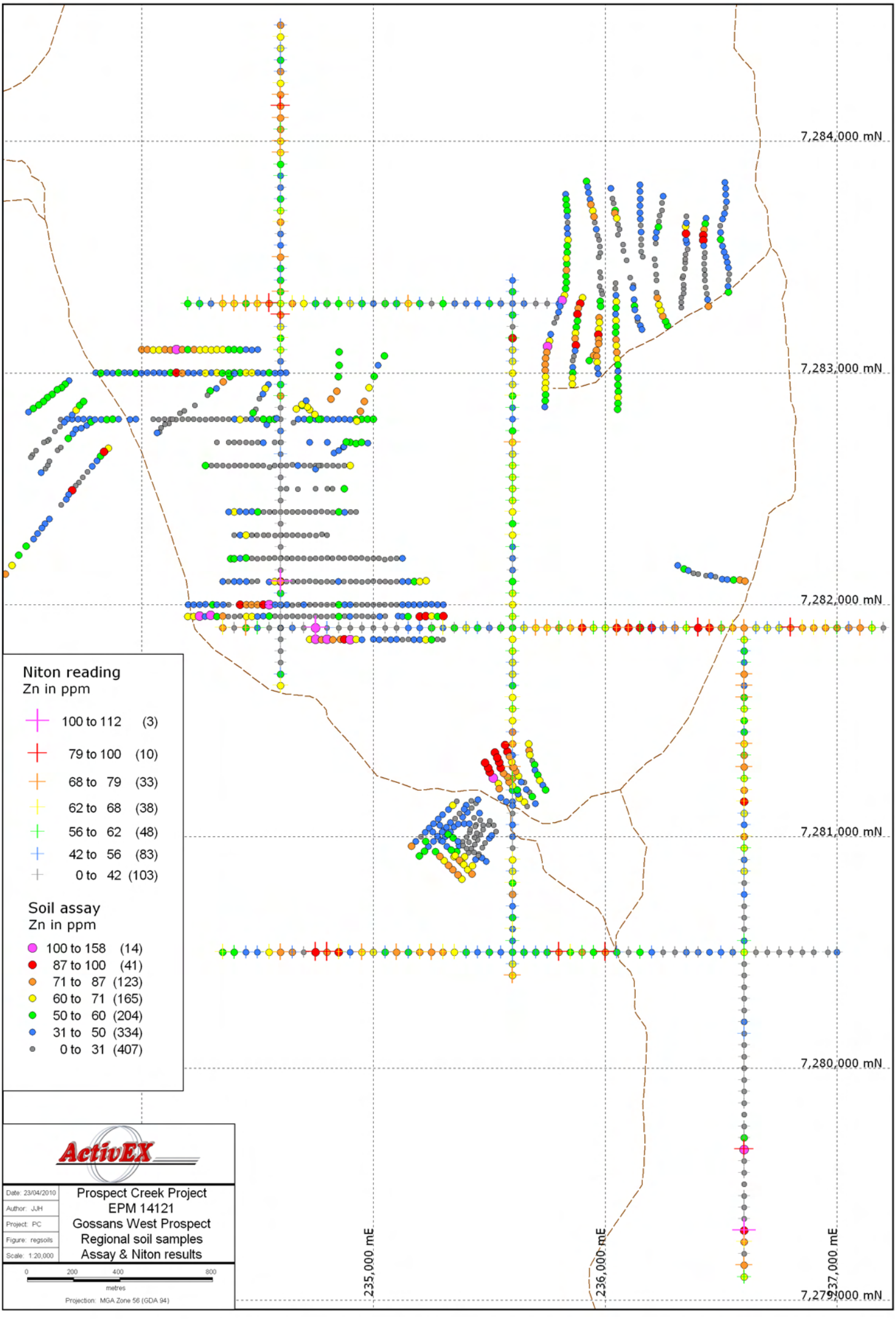

7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Pb in ppm
100 to 128 (2)
40 to 100 (10)
27.3 to 40 (29)
20.7 to 27.3 (34)
17.5 to 20.7 (42)
1 to 17.5 (69)
0 to 1 (132)
Soil assay
Pb in ppm
100 to 13,400 (5)
35 to 100 (42)
22 to 35 (140)
16 to 22 (162)
13 to 16 (229)
10 to 13 (362)
0 to 10 (348)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0 200 400 800
metres
Projection: MGA Zone 56 (GDA 94)


7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
S in ppm
27,800 to 31,800 (2)
21,500 to 27,800 (3)
19,975 to 21,500 (4)
18,500 to 19,975 (4)
16,000 to 18,500 (4)
1 to 16,000 (5)
0 to 1 (296)
Soil assay
S in %
1 to 1.7 (8)
0.4 to 1 (38)
0.15 to 0.4 (113)
0.08 to 0.15 (126)
0.04 to 0.08 (153)
0.01 to 0.04 (251)
-0.01 to 0.01 (599)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0
200
400
800
metres
Projection: MGA Zone 56 (GDA 94)


7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Sb in ppm
50 to 56.9 (2)
42 to 50 (4)
37 to 42 (9)
35.5 to 37 (10)
30 to 35.5 (13)
0.1 to 30 (16)
0 to 0.1 (264)
Soil assay
Sb in ppm
3 to 6.3 (9)
1.7 to 3 (39)
0.8 to 1.7 (133)
0.55 to 0.8 (157)
0.4 to 0.55 (207)
0.26 to 0.4 (330)
-0.05 to 0.26 (413)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0
200
400
800
metres
Projection: MGA Zone 56 (GDA 94)


7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Se in ppm
25 to 29.8 (2)
16 to 25 (3)
11 to 16 (4)
10 to 11 (4)
9 to 10 (5)
0.1 to 9 (8)
0 to 0.1 (292)
Soil assay
Se in ppm
20 to 37.6 (14)
15 to 20 (38)
9 to 15 (128)
6 to 9 (157)
3 to 6 (222)
0.9 to 3 (334)
-0.2 to 0.9 (395)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0
200
400
800
metres
Projection: MGA Zone 56 (GDA 94)


7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Te in ppm
140 to 157 (3)
126 to 140 (8)
117 to 126 (13)
103 to 117 (20)
87 to 103 (34)
1 to 87 (40)
0 to 1 (200)
Soil assay
Te in ppm
3.7 to 12.9 (11)
2.4 to 3.7 (40)
1.36 to 2.4 (133)
0.93 to 1.36 (156)
0.58 to 0.93 (208)
0.16 to 0.58 (332)
-0.1 to 0.16 (408)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0
200
400
800
metres
Projection: MGA Zone 56 (GDA 94)


7,284,000 mN
7,283,000 mN
7,282,000 mN
7,281,000 mN
7,280,000 mN
7,279,000 mN
235,000 mE
236,000 mE
237,000 mE
Niton reading
Zn in ppm
100 to 112 (3)
79 to 100 (10)
68 to 79 (33)
62 to 68 (38)
56 to 62 (48)
42 to 56 (83)
0 to 42 (103)
Soil assay
Zn in ppm
100 to 158 (14)
87 to 100 (41)
71 to 87 (123)
60 to 71 (165)
50 to 60 (204)
31 to 50 (334)
0 to 31 (407)
ActivEX
Date: 23/04/2010
Author: JJH
Project: PC
Figure: regsoils
Scale: 1:20,000
Prospect Creek Project
EPM 14121
Gossans West Prospect
Regional soil samples
Assay & Niton results
0
200
400
800
metres
Projection: MGA Zone 56 (GDA 94)

APPENDIX VI

Analysis technique	Sample type	Element	Label	Count	Min	Max	Arithmetic mean	Median	Range	Geometric mean	Harmonic mean	Variance	Standard deviation	Coeff. variation %	Skewness	Kurtosis
Niton	Sieved: -2mm+20#	As	Niton (-2mm)	43	0.00	229.80	52.24	50.35	229.80	41.40	21.44	1545.55	39.31	75.25	2.08	10.55
Niton	Sieved: -20+80#	As	Niton (-20#)	43	0.00	204.18	49.93	45.22	204.18	49.29	42.33	1290.84	35.93	71.96	1.71	8.89
Niton	Sieved: -80#	As	Niton (-80#)	43	0.00	177.11	49.37	46.87	177.11	48.20	40.83	1221.36	34.95	70.78	1.11	5.36
Niton	Bulk	As	Niton (Bulk)	815	0.00	187.81	25.63	24.32	187.81	22.06	12.88	480.17	21.91	85.49	2.01	12.48
Niton	Field	As	Niton (Field)	66	0.00	60.34	29.00	32.91	60.34	34.57	31.97	343.30	18.53	63.90	-0.38	1.93
Assay	Pulp	As	Assay (pulp)	370	1.90	274.00	42.63	35.80	272.10	33.06	22.69	956.79	30.93	72.56	2.30	13.67
Niton	Sieved: -2mm+20#	Cu	Niton (-2mm)	43	0.00	128.62	65.42	69.55	128.62	63.39	52.41	975.50	31.23	47.74	-0.52	2.76
Niton	Sieved: -20+80#	Cu	Niton (-20#)	43	0.00	110.16	68.13	74.20	110.16	63.04	52.71	726.66	26.96	39.57	-0.78	2.91
Niton	Sieved: -80#	Cu	Niton (-80#)	43	14.00	120.03	67.26	72.77	106.03	62.06	54.93	538.86	23.21	34.51	-0.39	2.81
Niton	Bulk	Cu	Niton (Bulk)	815	0.00	165.94	54.46	57.61	165.94	50.15	40.43	738.64	27.18	49.90	-0.10	2.85
Niton	Field	Cu	Niton (Field)	66	0.00	124.67	40.18	50.19	124.67	62.31	60.18	1216.63	34.88	86.82	0.12	1.89
Assay	Pulp	Cu	Assay (pulp)	370	12.00	143.00	54.95	55.00	131.00	48.39	41.77	686.45	26.20	47.68	0.50	2.72
Niton	Sieved: -2mm+20#	Fe	Niton (-2mm)	43	16744.16	104226.12	51561.19	50047.22	87481.96	47750.29	43499.51	377273141.97	19423.52	37.67	0.51	3.34
Niton	Sieved: -20+80#	Fe	Niton (-20#)	43	20817.80	81847.92	47141.20	46357.70	61030.12	44346.36	41428.61	254850106.03	15964.03	33.86	0.22	2.27
Niton	Sieved: -80#	Fe	Niton (-80#)	43	23290.72	83504.55	44286.11	40905.49	60213.83	42234.83	40367.46	200280521.47	14152.05	31.96	0.73	2.71
Niton	Bulk	Fe	Niton (Bulk)	815	6038.20	145415.91	32814.11	32842.08	139377.71	30210.11	27325.43	171546298.74	13097.57	39.91	1.59	14.29
Niton	FIeld	Fe	Niton (Field)	66	12901.81	65234.46	40382.14	40430.61	52332.65	38330.13	35832.20	142474674.41	11936.28	29.56	-0.18	2.81
Assay	Pulp	Fe	Assay (pulp)	370	8200.00	145000.00	53304.32	53550.00	136800.00	50719.99	47663.96	260396133.01	16136.79	30.27	0.66	5.92
Niton	Sieved: -2mm+20#	Mo	Niton (-2mm)	43	0.00	27.57	5.11	3.64	27.57	6.37	5.49	39.84	6.31	123.50	2.03	7.46
Niton	Sieved: -20+80#	Mo	Niton (-20#)	43	0.00	27.46	5.30	3.40	27.46	7.68	6.52	40.42	6.36	119.86	1.47	5.32
Niton	Sieved: -80#	Mo	Niton (-80#)	43	0.00	28.61	5.90	3.89	28.61	7.10	5.88	42.79	6.54	110.94	1.48	5.28
Niton	Bukl	Mo	Niton (Bulk)	815	0.00	32.06	3.46	1.66	32.06	3.97	2.83	20.56	4.53	130.88	1.97	8.35
Niton	Field	Mo	Niton (Field)	66	0.00	33.41	4.86	0.00	33.41	15.23	14.58	65.19	8.07	166.04	1.46	4.27
Assay	Pulp	Mo	Assay (pulp)	370	0.27	44.30	4.43	2.47	44.03	2.76	1.92	31.29	5.59	126.35	3.67	21.24
Niton	Sieved: -2mm+20#	Pb	Niton (-2mm)	43	0.00	134.62	33.77	27.91	134.62	28.31	21.42	977.62	31.27	92.60	1.70	5.52
Niton	Sieved: -20+80#	Pb	Niton (-20#)	43	0.00	188.42	34.70	27.10	188.42	25.00	17.88	1498.76	38.71	111.57	2.62	10.15
Niton	Sieved: -80#	Pb	Niton (-80#)	43	0.00	207.10	37.56	25.54	207.10	28.63	22.33	1651.55	40.64	108.19	2.64	10.26
Niton	Bulk	Pb	Niton (Bulk)	815	0.00	140.46	15.16	11.74	140.46	12.07	8.61	228.72	15.12	99.74	3.11	18.82
Niton	Field	Pb	Niton (Field)	66	0.00	120.01	24.21	22.89	120.01	30.87	27.87	628.89	25.08	103.58	1.56	5.92
Assay	Pulp	Pb	Assay (pulp)	370	3.00	4001.00	28.98	14.00	3998.00	15.46	13.41	43079.64	207.56	716.31	18.99	363.48

APPENDIX VII

Sample ID	PCN012	PCN015	PCN023	PCN040	PCN043	PCN074
Coords MGA 94 Zone 56	234499.8 mE 7281800.1 mN	234574.8 mE 7281800.4 MN	234775.6 mE 7281799.8 mN	235200.3 mE 7281800.1 mN	235274.3 mE 7281800.4 mN	234999.7 mE 7281850.6 mN
Quartz	major - dominant	major - dominant	major	major	major	major
Plagioclase			major	trace		major
K-Feldspar	trace	minor			trace	
Chlorite						
Interlayered Chlorite-Smectite		minor?	minor			
Smectite	minor		minor		minor – major	major
Interlayered Illite-Smectite	minor		minor	major – dominant		
Illite	minor (- major)	minor (- major)	trace			minor
Kaolinite	minor	minor	minor	minor	major	trace
Dickite						
Pyrophyllite		minor			minor	
Alunite					minor	
Magnetite	minor			minor	trace	
Hematite	minor	minor (– major)		minor	minor	trace?
Calcite						
Ankerite						
Jarosite	minor	minor – major		minor		

Sample ID	PCN076	PCN086	PCN151	PCN158	PCN160	PCN333
Coords MGA 94 Zone 56	235050.4 mE 7281850.5 mN	235299.8 mE 7281849.7 mN	234749.5 mE 7281999.9 mN	234924.9 mE 7281999.9 mN	234974.5 mE 7281999.8 mN	234450.3 mE 7282700.3 mN
Quartz	major	major	major	major	major	major
Plagioclase		trace				
K-Feldspar	trace	trace	minor		trace	
Chlorite						
Interlayered Chlorite-Smectite						
Smectite		minor				
Interlayered Illite-Smectite	major			minor?		major
Illite	major		minor		trace	
Kaolinite		minor		major	major	
Dickite			minor – major			major
Pyrophyllite			trace	major	minor	minor
Alunite						
Magnetite	weak trace		trace	minor	minor	trace
Hematite	trace?	trace?	minor	minor – major	minor - major	trace
Calcite		major - dominant				
Ankerite						
Jarosite	minor	minor?	minor – major (natro-)			major (natro-)

Sample ID	PCN342	PCN403	PCN442	PCN446	PCN448	PCN551
Coords MGA 94 Zone 56	234725.0 mE 7282699.9 mN	234925.0 mE 7282899.9 mN	234199.4 mE 7282775.3 mN	234200.3 mE 7282622.4 mN	234201.2 mE 7282573.6 mN	235175.8 mE 7282400.4 mN
Quartz	major – dominant	major	major	major	major	major
Plagioclase	minor	major		major	major	major
K-Feldspar		major		minor – major	minor – major	
Chlorite						minor?
Interlayered Chlorite-Smectite					minor	minor?
Smectite	major		minor – major	minor – major	minor	minor
Interlayered Illite-Smectite	major	minor	minor – major			
Illite		minor	trace	minor	minor	trace – minor
Kaolinite	major	minor		minor – major	trace	trace – minor
Dickite			major			
Pyrophyllite						
Alunite	minor		minor – major			
Magnetite	minor	trace	minor	trace	trace	minor
Hematite	trace	minor	major	trace	trace	minor – major
Calcite						
Ankerite		minor?				minor – major
Jarosite						

Sample ID	PCN568	PCN570	PCN583	PCN621	PCN628
Coords MGA 94 Zone 56	234324.4 mE 7282600.3 mN	234375.1 mE 7282599.1 mN	234700.6 mE 7282599.7 mN	234148.3 mE 7282799.8 mN	234324.7 mE 7282799.9 mN
Quartz	major	major	major	major	major
Plagioclase					
K-Feldspar	trace?	trace	trace?	trace?	trace – minor
Chlorite					
Interlayered Chlorite-Smectite					
Smectite			trace?		
Interlayered Illite-Smectite	minor – major	minor?		minor?	minor?
Illite	trace - minor				
Kaolinite	minor – major		major		
Dickite	major	major	minor – major	major	major
Pyrophyllite					
Alunite		minor (natro-?)	minor (natro-?)	minor – major (natro-)	major (natro-)
Magnetite	minor	trace	minor	minor	minor
Hematite	minor	minor	minor	minor – major	minor
Calcite					
Ankerite					
Jarosite					