NGU Rapport 95.161

Grunnvannskvalitet i borebrønner i fjell fra områder nær Oslo og Bergen

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RAPPORT

Rapport nr.: 95.161 | ISSN 0800-3416 | Gradering: Åpen

Tittel:
Grunnvannskvalitet i borebrønner i fjell fra områder nær Oslo og Bergen

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NGU, UiB, GSC, BGR, NRPA

Fylke:
Hordaland, Vestfold

Kommune:

Kartblad (M=1:250.000)
Bergen, Oslo

Kartbladnr. og -navn (M=1:50.000)

Forekomstens navn og koordinater:

Sidetall: 165 Pris: kr. 215,-

Kartbilag:

Feltarbeid utført:	Rapportdato:	Prosjektnr.:	Ansvarlig:
1994	20.12.95	63.2633.00	Bernt O. Hilmo

Sammendrag:

Dette prosjektet har vist at det er mulig å påvise helse- og prospekteringsmessig interessante sporelementer i borebrønner i fjell på relativt enkelt vis. De store geografiske variasjonene i elementinnhold følger i hovedsak bergartene og deres kjemiske og mineralogiske sammensetning. Et klart eksempel på forholdet mellom geologi og grunnvann finner vi nord for Svelvik (vedlegg 4). Her faller et område med svært fluoridrikt grunnvann klart sammen med utbredelsen av en spesiell variant av drammensgranitten.

Flere av de undersøkte elementene kan ha helsemessig betydning. For noen av disse elementene (beryllium og molybden) eksisterer det ingen grenseverdier. For andre elementer har de eksisterende grenseverdiene hovedsaklig en mer bruksmessig betydning (f.eks. Ca, Mg, Fe, Mn) mens andre elementer som f.eks. radon og fluorid har en klar og påviselig helseeffekt. I Sverige viser statistiske beregninger gjort av Statens Strålskyddsinstitut (SSI) at ca. 18.000 borebrønner i fjell gir et for høyt innhold av radon. Brukere av grunnvann med særlig høy konsentrasjon av fluorid og/eller radon bør informeres slik at helseskader kan unngås.

Dette prosjektet har også vist en stor naturlig forekommende variasjonsbredde i elementinnholdet i grunnvann. Det kan derfor være grunnlag for å foreta en revurdering av enkelte elementers grenseverdier og hvilke praktiske konsekvenser som bør trekkes når grenseverdiene overskrides.

Resultatene understreker behovet for kartlegging av grunnvannskvaliteten i Norge. En god oversikt vil ha stor betydning for den nasjonale forvaltning av naturressursen grunnvann.

Emneord: Hydrogeologi	Grunnvannskvalitet	Borebrønn
Sporelementer	Grunnvann	Vannkjemi
Kjemisk analyse		Fagrapport

INNHOLD

VEDLEGG:

INNLEDNING

Norges geologiske undersøkelse (NGU) har med bakgrunn i samarbeid med og analyser fra Geological Survey of Canada (GSC), Bundesanstalt für Geowissenschaften i Tyskland (BGR), Næringsmiddeltilsynet i nordre Vestfold, Institutt for odontologisk forskning ved Universitetet i Bergen, Miljørettet helsevern for nordre Vestfold og Statens strålevern gjennomført et prosjekt med sammenstilling av grunnvannets kjemiske sammensetning i noen hundre borebrønner i fjell fra områder nær Oslo og Bergen. Målet med prosjektet var å vise at:

- grunnvannskjemien i fjell er enkel å kartlegge
- grunnvannskjemien i fjell har en geografisk fordeling
- grunnvannskjemien i fjell har sin årsak i variasjon i berggrunnens mineralsammenesetning

GJENNOMFØRING

I 1994 ble det tatt prøver fra henholdsvis 314 og 58 private drikkevannsbrønner i ulike bergarter i områder i Vestfold og nær Bergen for analyse av radon og fluorid. Prøvene ble tatt direkte fra brønneiernes tappekraner etter fem minutters tapping. Det ble også tatt prøver med tanke på kjemisk analyse for å studere innhold og variasjon av andre elementer som normalt heller ikke analyseres i norsk drikkevann. Alle prøvene, med unntak av prøvene for analyse av radon i vann, ble tappet i 100 ml PE-flasker uten noe form for filtrering eller surgjøring i felt.

For analyse av radoninnholdet (Rn 222) ble det tatt et vannvolum på 10 ml direkte fra tappekranen vha. en pipette. Dette volumet ble raskt boblet ned i et 20 ml glass halvfyllt med scintillasjonsvæske og glasset ble forseglet. Med denne prosedyren vil andelen av radon som forsvinner til luft være minimal. Analysene ble gjennomført ved Statens strålevern innen tre dager etter prøvetakingen. Den totale usikkerheten i målingene, fra prøvetaking til prøven er ferdig analysert, er beregnet til ca. 15% på 95% konfidensnivå. Deteksjonsgrensen for radon i vann er på 1 Bq/l.

Næringsmiddeltilsynet i nordre Vestfold og Institutt for odontologisk forskning ved Universitetet i Bergen utførte analysene av fluoridinnholdet i prøvene. Av det totale antallet prøver valgte NGU ut 150 av det andre prøvesettet slik at de gav en god geografisk representasjon i samtlige bergartstyper. Disse prøvene ble først analysert både ved metode-utviklings-laboratoriet ved GSC i Canada og så sendt til BGR for ytterligere analyser. Ved ankomst GSCs laboratorium ble vannprøvene surgjort med 10 ml av ultraren HNO_3, ristet i 24

timer og analysert på ICP-MS for (i kolonnene er deteksjonsgrensen angitt i µg/l. Ca, K, Mg og Na er analysert på ICP-AES):

Ag (0.05)	Al (2)	Ba (0.2)	Be (0.005)	Cd (0.05)	Ce (0.01)
Co (0.02)	Cr (0.1)	Cs (0.01)	Cu (0.1)	Dy (0.005)	Er (0.005)
Eu (0.005)	Fe (5)	Gd (0.005)	Ho (0.005)	In (0.01)	La (0.01)
Li (0.005)	Lu (0.005)	Mn (0.1)	Mo (0.05)	Nd (0.005)	Ni (0.1)
Pb (0.1)	Pr (0.005)	Rb (0.05)	Sb (0.01)	Sm (0.005)	Sr (0.5)
Tb (0.005)	Tl (0.005)	Tm (0.005)	U (0.005)	V (0.1)	Y (0.01)
Yb (0.005)	Zn (0.5)	Ca (0.2 ppm)	K (0.1 ppm)	Mg (0. 2 ppm)	Na (1 ppm)

BGR analyserte de samme vannprøvene for 62 elementer slik at innholdet av tilsammen 64 elementer dermed er kjent for 150 av vannprøvene (i kolonnene er deteksjonsgrensen angitt i µg/l):

Ag (0.001)	Al (0.05)	As (0.025)	B (0.01)	Ba (0.002)	Be (0.002)
Bi (0.001)	Br (0.1)	Ca (10)	Cd (0.002)	Ce (0.001)	Co (0.005)
Cr (0.01)	Cs (0.001)	Cu (0.005)	Dy (0.001)	Er (0.001)	Eu (0.001)
Fe (2)	Ga (0.001)	Gd (0.001)	Hf (0.002)	Hg (0.005)	Ho (0.001)
In (0.001)	I (0.1)	K (10)	La (0.001)	Li (0.002)	Lu (0.001)
Mg (10)	Mn (0.1)	Mo (0.001)	Na (10)	Nb (0.002)	Nd (0.001)
Ni (0.002)	PO_4 (1)	Pb (0.002)	Pr (0.001)	Rb (0.002)	Sb (0.002)
Sc (0.005)	Se (0.01)	Sm (0.001)	Sn (0.005)	Sr (0.01)	Ta (0.001)
Tb (0.001)	Te (0.001)	Th (0.001)	Ti (0.1)	Tl (0.002)	Tm (0.001)
U (0.001)	V (0.01)	W (0.002)	Y (0.001)	Yb (0.001)	Zn (0.01)
Zr (0.002)					

Flere av de felles elementene ble her analysert med en lavere deteksjonsgrense i tillegg til at flere elementer enn de som GSC analyserte ble bestemt. Bergarten, som hver enkelt borebrønn er boret i, er definert ut fra geologiske kart etc. for 367 av prøvelokalitetene.

RESULTATER

Resultatene for elementene Ag og In var for det meste under deteksjonsgrensen. For Cd, Co, Eu, Ho, Lu, Ni, Tb, Tl og Tm var innholdet i mer enn 50% av alle vannprøvene under deteksjonsgrensen. En videre reduksjon i deteksjonsgrensen er nødvendig for disse elementene. For de andre elementene var innholdet i mer enn 50% av alle vannprøvene over

deteksjonsgrensen. Spredningen i dataene dekker mellom to og seks tierpotenser. Maksimalt innhold av de ulike elementene er (i µg/l):

Ag (0.07)	Al (2537)	As (11.1)	B (854)	Ba (237)	Be (2.8)
Bi (0.16)	Br (1430)	Ca (88000)	Cd (5.54)	Ce (232)	Co (8.1)
Cr (5.9)	Cs (1.6)	Cu (1332)	Dy (1.7)	Er (1.3)	Eu (1.1)
F (9200)	Fe (5323)	Ga (3.1)	Gd (3.9)	Ge (1.1)	Hf (0.7)
Hg (1.1)	Ho (0.36)	In (0.02)	I (300)	K (24000)	La (112)
Li (60)	Lu (0.38)	Mg (33000)	Mn (2975)	Mo (289)	Na (508000)
Nb (1.7)	Nd (49)	Ni (14.3)	PO_4 (2270)	Pb (44)	Pr (14)
Rb (17)	Rn (6840 Bq/l)	Sb (0.81)	Sc (9.6)	Se (4.8)	Sm (5.8)
Sn (2.3)	Sr (1871)	Ta (0.09)	Tb (0.4)	Te (0.2)	Th (21.4)
Ti (355)	Tl (0.16)	Tm (0.23)	U (2018)	V (16.3)	W (60.8)
Y (18.5)	Yb (1.75)	Zn (1325)	Zr (36.7)		

For de elementene som ble analysert både ved GSC og BGR, er analyseresultatene sammenlignet i vedlegg 1. Med unntak av Al, Fe, Cr og Ni er analysene for disse elementene svært godt sammenfallende. For analysene av Cr og Ni ligger resultatene imidlertid innenfor samme tierpotens.

I vedlegg 2 er innholdet av 64 analyserte elementer presentert vha. summerte frekvensdiagram. I diagrammene viser grå pil median av innholdet av de enkelte elementene i finsk overflatevann og svart pil viser gjeldende grenseverdi. Grenseverdien er basert på drikkevannsforskriftene hvis ikke annet er nevnt.

For 45 av elementene er det i vedlegg 3 vist hvordan elementinnholdet i grunnvannet varierer med hvilken bergart borebrønnen er boret i. For en del av de elementene som ble analysert, er det klar forskjell mellom i utgangspunktet sammenlignbare bergarter i Oslo- og Bergens-området. I vedlegg 4 er innholdet av ulike elementer i grunnvannet vist for forskjellige kommuner.

I vedlegg 5 og 6 er den geografiske fordelingen av fluoridinnholdet i de ulike vannprøvene for henholdsvis Vestfold og Bergens-området vist. Resultatene for de fleste andre elementer som er analysert, er også tilgjengelig i kartform ved henvendelse til NGU.

I vedlegg 7 er det gitt en statistisk oversikt som viser statistikk og statistiske "outliers" for alle elementer med bakgrunn i det foreliggende analysematerialet.

I vedlegg 8 er det gitt en "outlier"-liste. Denne listen er ikke en oversikt over alle borebrønner som har verdier som overskrider grenseverdiene som er satt i drikkevannsforskriftene. Den viser imidlertid borebrønner i de ulike kommuner med unormalt høyt innhold av ulike elementer i forhold til analyseverdiene for disse elementene i resten av datasettet.

Vedlegg 9 er en liste over korrelasjonskoeffesienter mellom de ulike elementer kalkulert separat for de to datasettene fra Bergen og Oslo.

Vedlegg 10-12 inneholder lister som til sammen representerer alle bakgrunnsdata for rapporten.

GRENSEVERDIER

Som en nasjonal geologisk undersøkelse er det ikke NGUs oppgave å sette grenseverdier. Imidlertid vil relevante opplysninger som fremkommer gjennom NGUs virksomhet, være med på å danne et grunnlag for et samarbeid med norske helsemyndigheter om fastsettelse av grenseverdier for enkeltelementers innhold i drikkevann. For NGU er det viktig å peke på at geologien har stor betydning for elementinnholdet i grunnvann. Det eksisterer i dag analyseteknikker for å kunne analysere nesten hele det periodiske systemet. For flere av de elementer som tidligere ikke har vært analysert i drikkevannssammenheng, eksisterer det heller ikke noen definerte grenseverdier til tross for at dette prosjektets analyseresultater viser at innholdet stedvis kan være svært høyt. Med utgangspunkt i geologisk kunnskap kan det med langt større sikkerhet forutsis i hvilke områder høye verdier av f.eks. elementene As, Be, Mo, Rn, F og U kan forventes å opptre i grunnvann.

KONKLUSJON

Dette prosjektet har vist at det er mulig å påvise helse- og prospekteringsmessig interessante sporelementer i borebrønner i fjell på en effektiv måte, samt at variasjonene i elementinnhold i hovedsak følger bergartene og deres kjemiske og mineralogiske sammensetning. Dette sees klart i vedlegg 4 der det høye fluoridinnholdet i grunnvannet nord for Svelvik skyldes en spesiell variant av drammensgranitten. I og med at det for flere elementer som kan ha en toksikologisk betydning, ikke er noen sammenheng mellom de grenseverdier som er vedtatt i drikkevannsforskriftene og det som dette prosjektet viser reelt forekommer i naturen, kan det være behov for å foreta en ny vurdering av hvordan disse grenseverdiene skal settes. Internasjonale drikkevannsforskrifter, som ikke har tatt hensyn til det elementinnhold som ofte forekommer i borebrønner i fjell her i landet, kan komme til å begrense utnyttelsen av grunnvann i Norge. Det er derfor viktig å kunne vise til naturlig forekommende variasjonsbredde i

elementinnholdet og innpasse dette i regelverket så lenge elementet ikke er dokumentert å ha helseskadlige effekter. For noen elementer har de eksisterende grenseverdiene en mer bruksmessig betydning (f.eks. Ca, Mg, Fe, Mn). For flere andre elementer, som det ikke eksisterer grenseverdier for, kan for høyt innhold være helseskadelig. For f.eks. radon og fluorid vil kunnskap om at grunnvannet enkelte steder har høyere innhold av disse elementene enn det myndighetene anbefaler, være viktig for på sikt å unngå helseskader i befolkningen. I vårt naboland Sverige viser statistiske beregninger gjort av Statens Strålskyddsinstitut (SSI) at ca. 18.000 borebrønner i fjell gir et for høyt innhold av radon. Det eksisterer imidlertid i dag metoder for fjerning av radon. Når det gjelder grunnvannets innhold av beryllium og molybden, eksisterer det i dag ikke noen grenseverdier. Dette til tross for at for høyt innhold av disse elementene i drikkevannet kan være helseskadelig.

Resultatet av dette prosjektet viser at en oversikt over variasjonen av grunnvannskvaliteten i hele landet vil ha en stor betydning for den nasjonale forvaltning av naturressursen grunnvann. Siden NGU har det nasjonale ansvaret for grunnvann i Norge, vil NGU i årene som kommer i etablert samarbeid med bl.a. brønnborere og andre involverte parter, starte en nasjonal kartlegging av grunnvannskvaliteten. Denne kartleggingen vil i første rekke være basert på kommende innsendte opplysninger ang. borebrønner i fjell i forbindelse med oppgaveplikt for boring etter vann.

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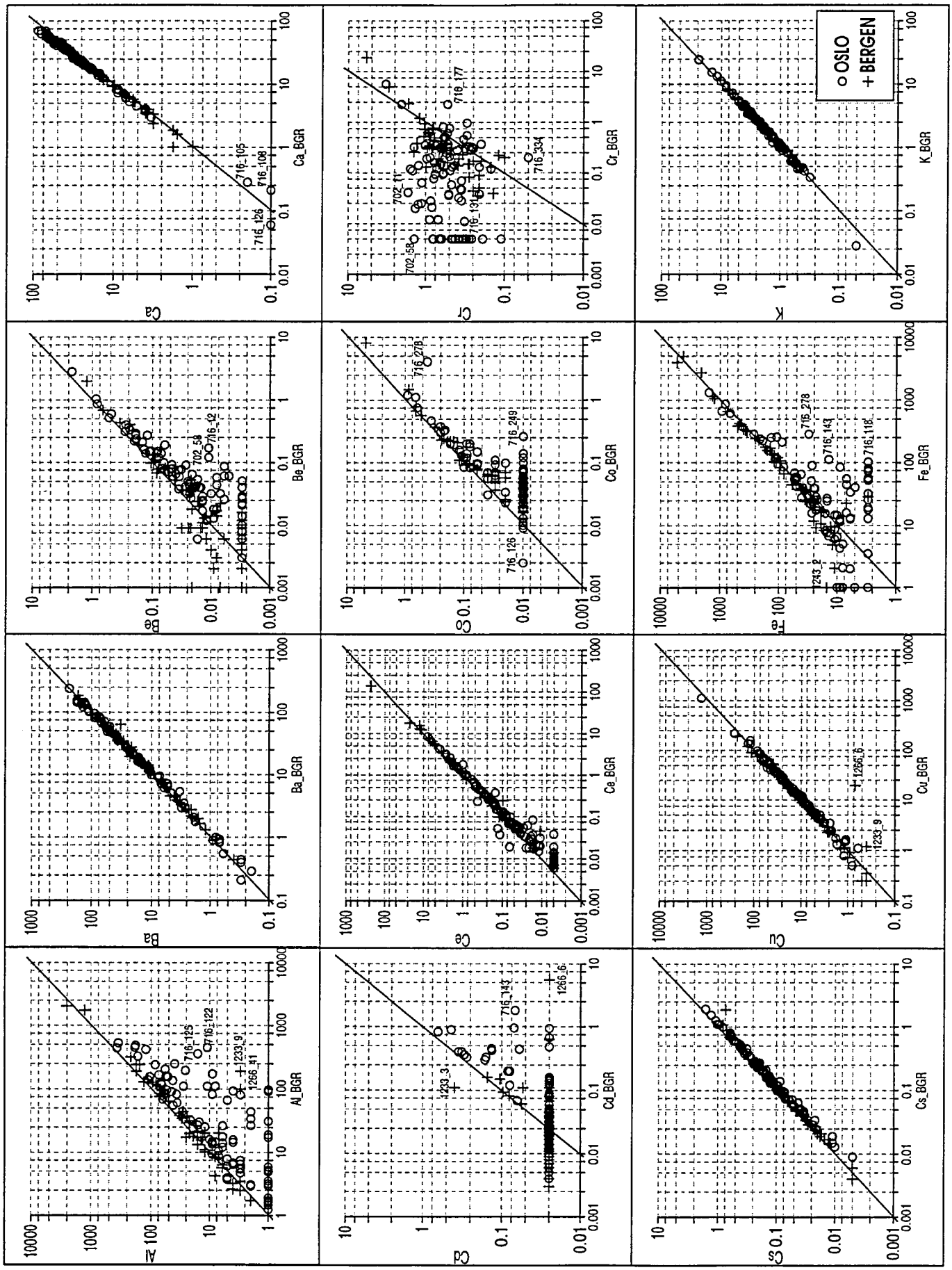
Vedlegg 1

Sammenligning av analyseresultater mellom GSC og BGR. Prøver fra Oslo-området er angitt som sirkel og prøver fra Bergens-området er angitt som kryss.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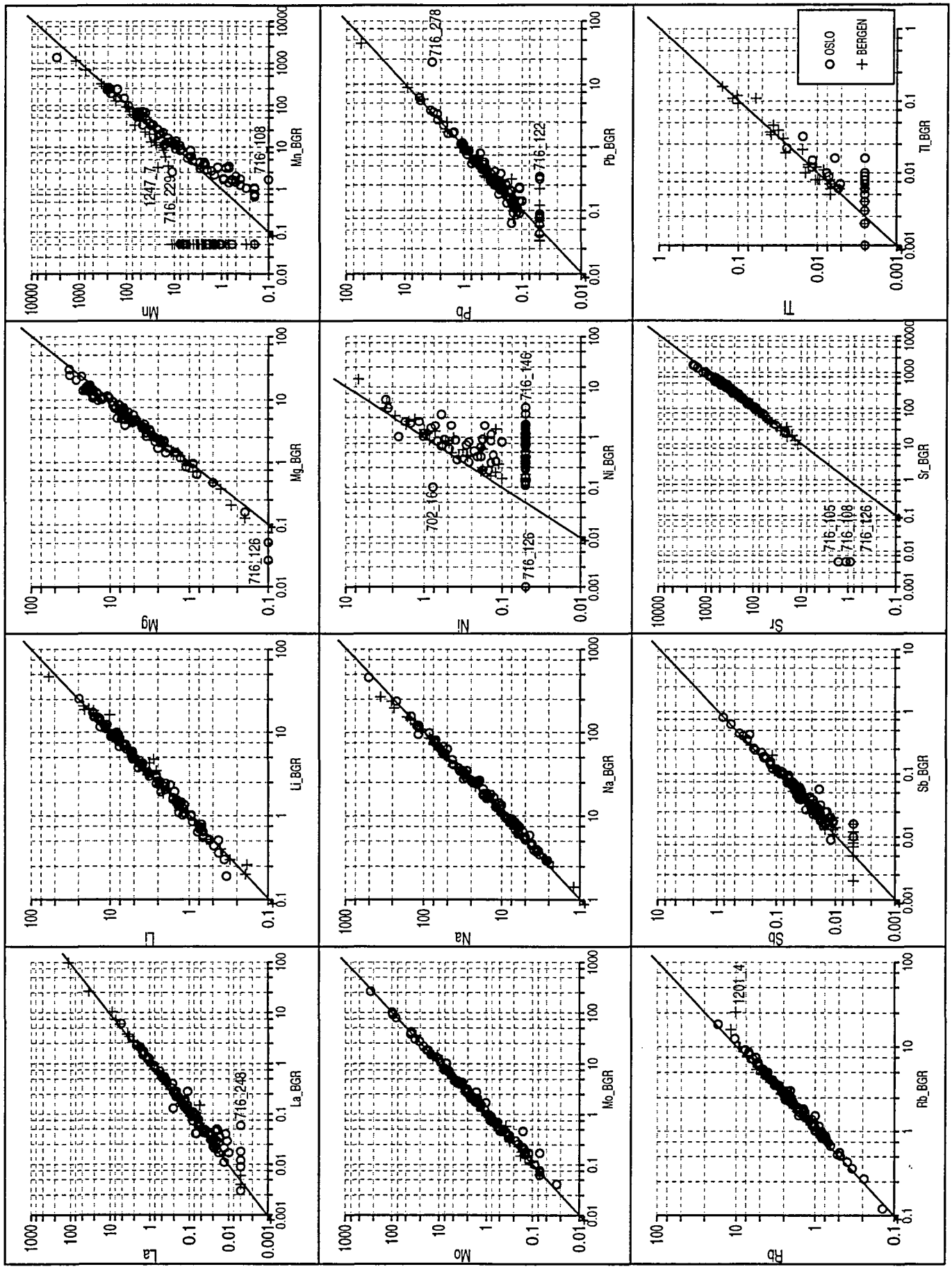
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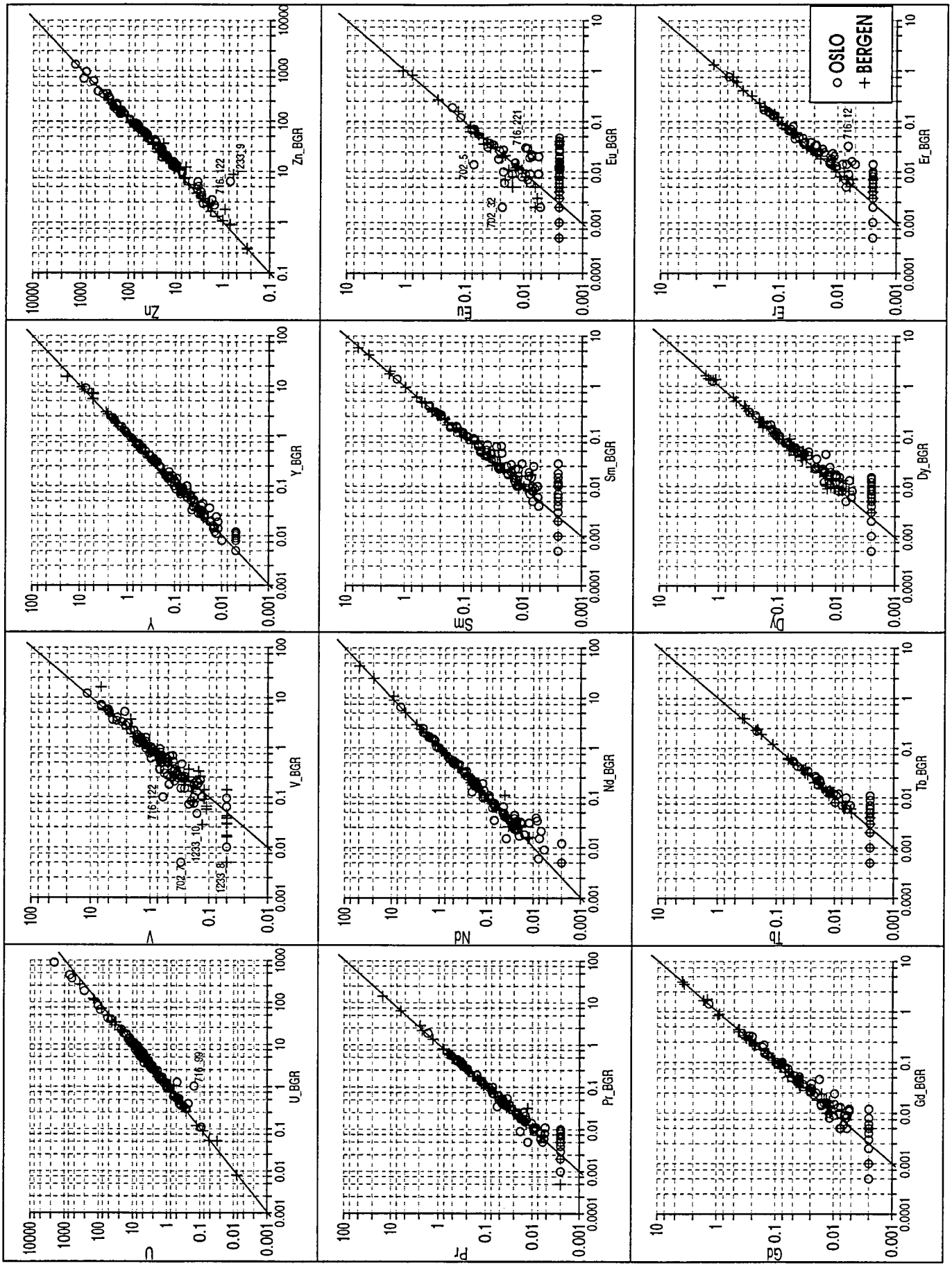
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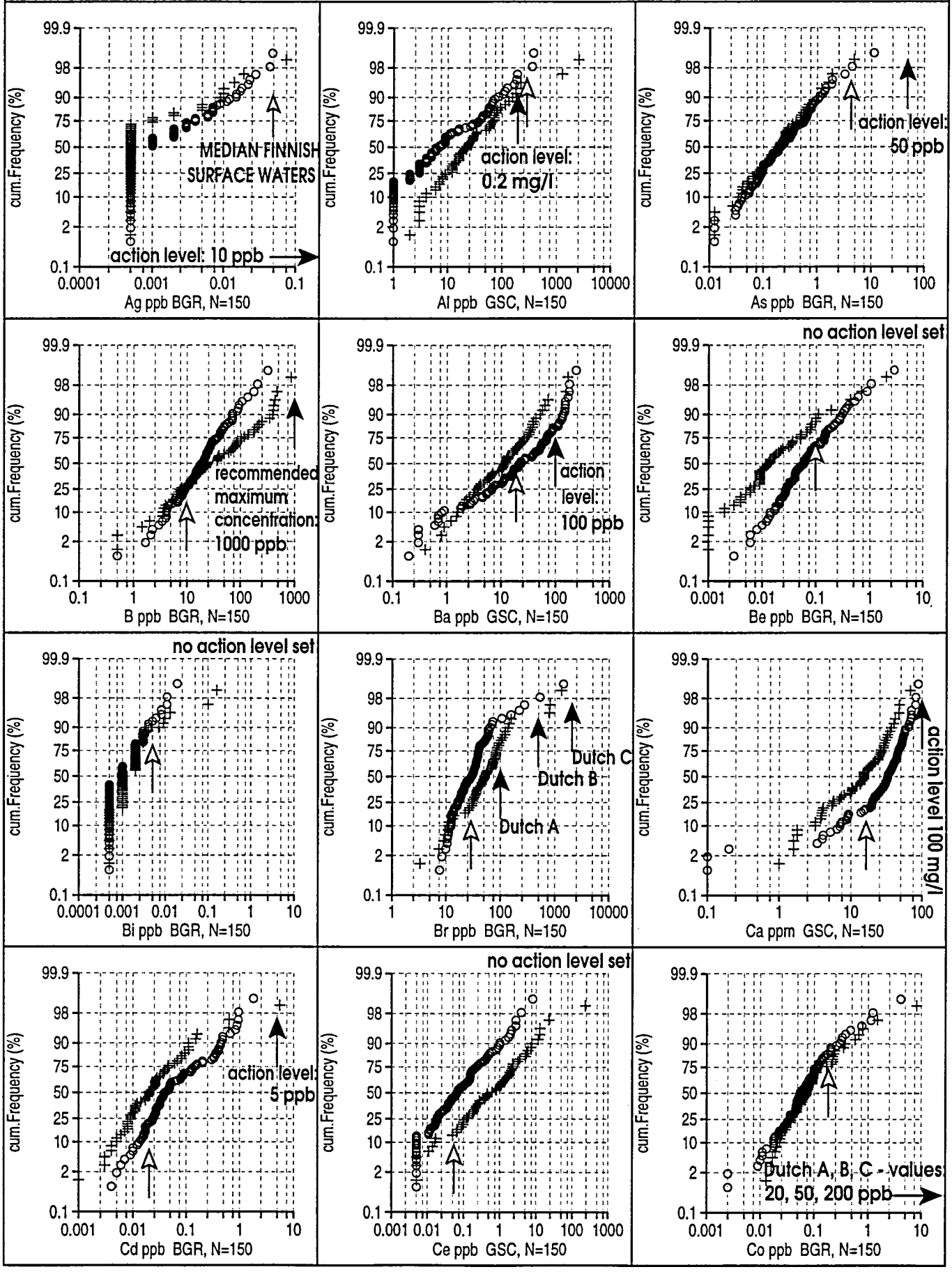
Nd
Nd_BGR
Tb
Tb_BGR
U
U_BGR
Pr
Pr_BGR
Gd
Gd_BGR
o OSLO
+ BERGEN

Vedlegg 2

Kumulative frekvens-diagrammer som viser elementinnholdet og -variasjonen i de analyserte grunnvannsprøvene fra både Oslo- og Bergens-området. Prøver fra Oslo-området er angitt som sirkel og prøver fra Bergens-området er angitt som kryss.

HARDROCK GROUNDWATERS, OSLO AND BERGEN AREA



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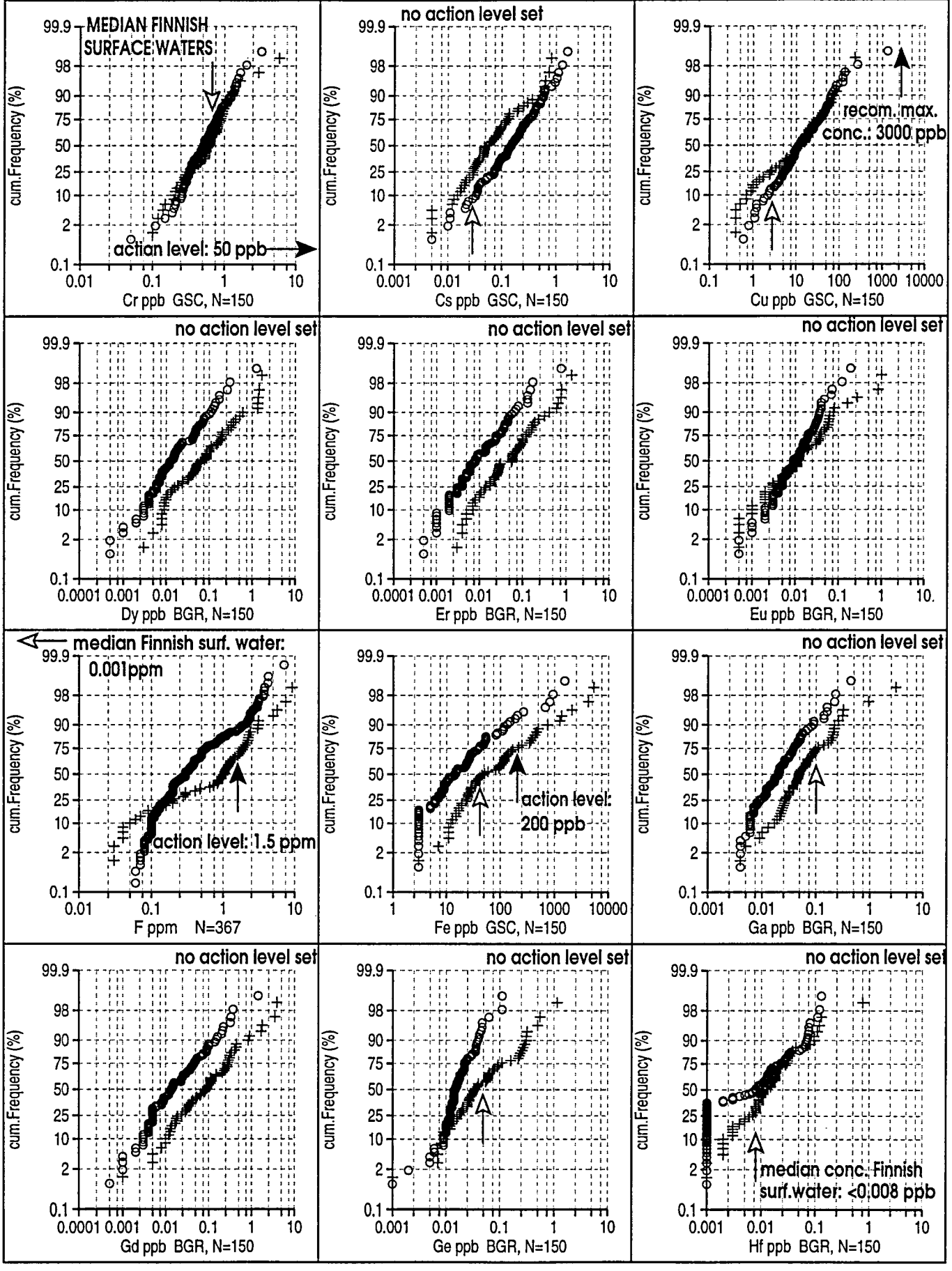

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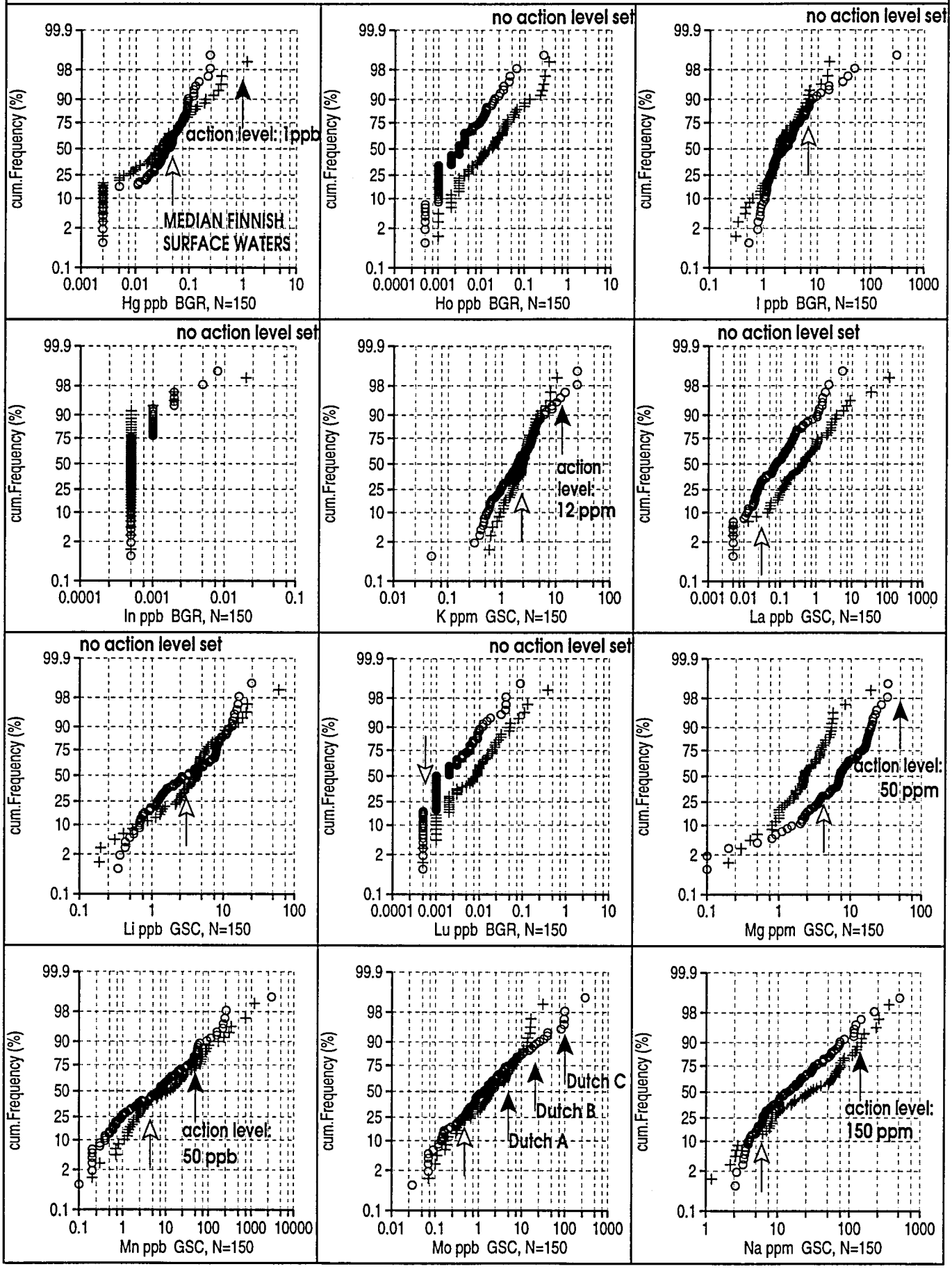
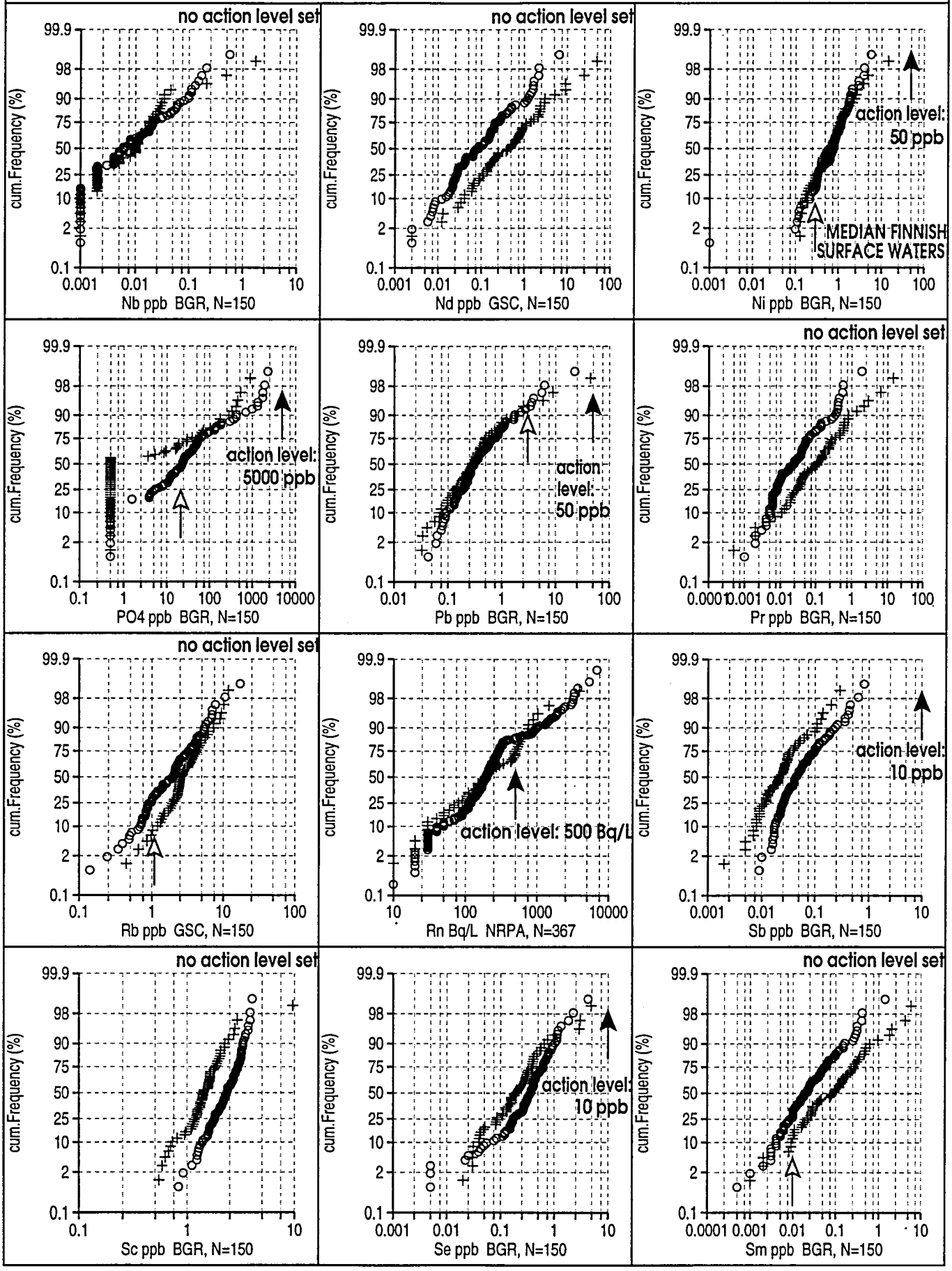
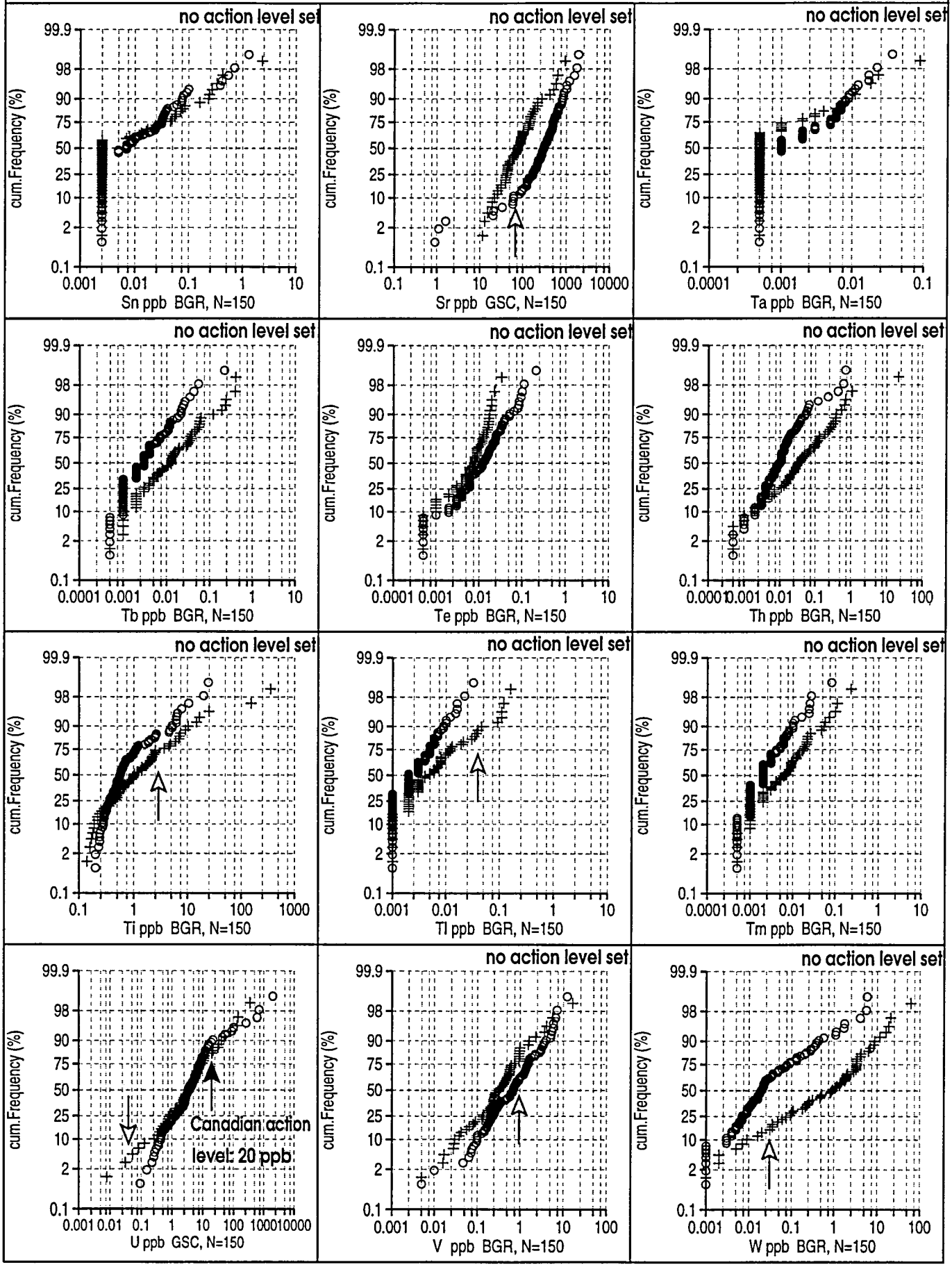


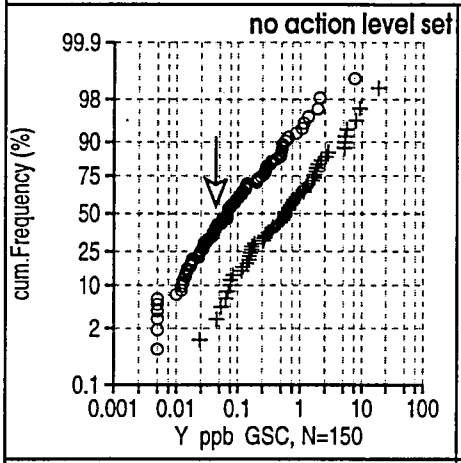
HARDROCK GROUNDWATERS, OSLO AND BERGEN AREA

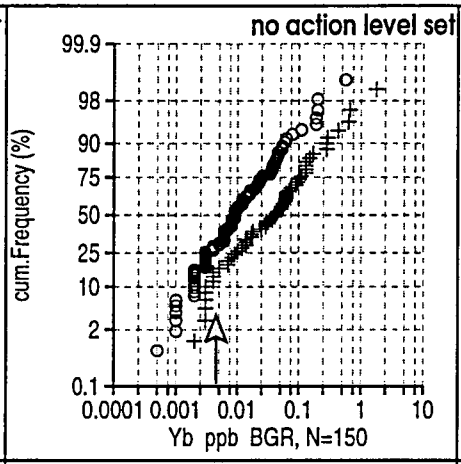


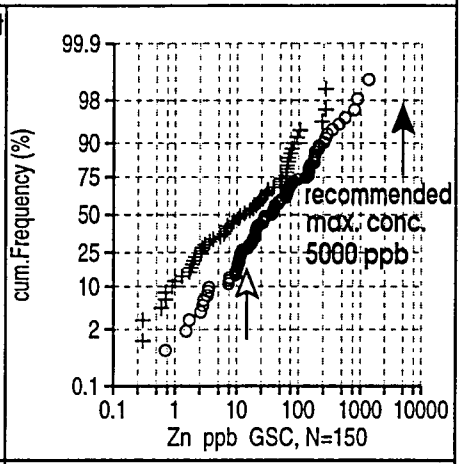
HARDROCK GROUNDWATERS, OSLO AND BERGEN AREA

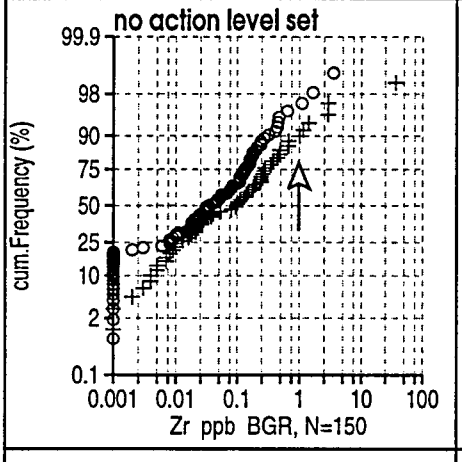


HARDROCK GROUNDWATERS, OSLO AND BERGEN AREA









° OSLO

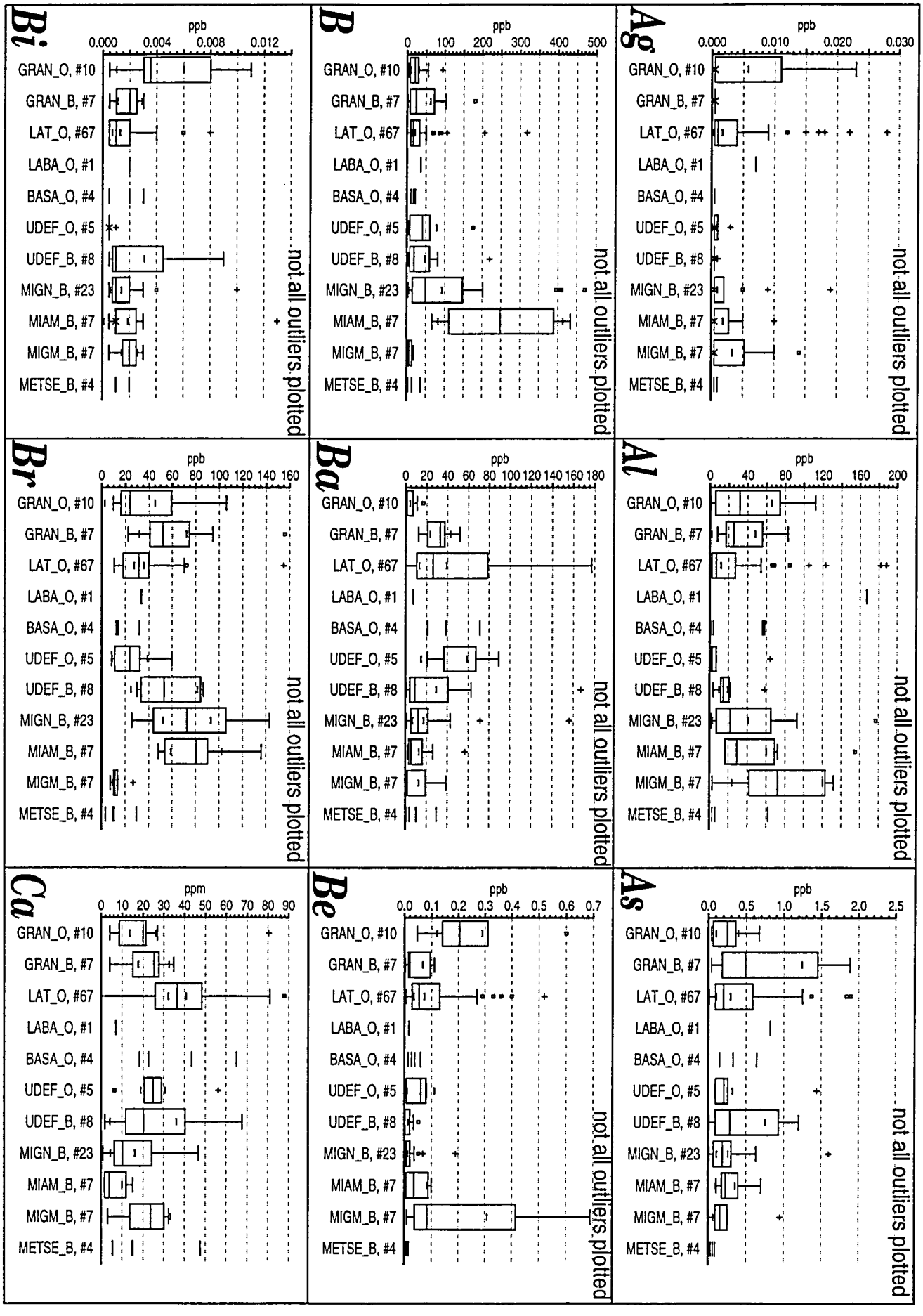
\+ BERGEN

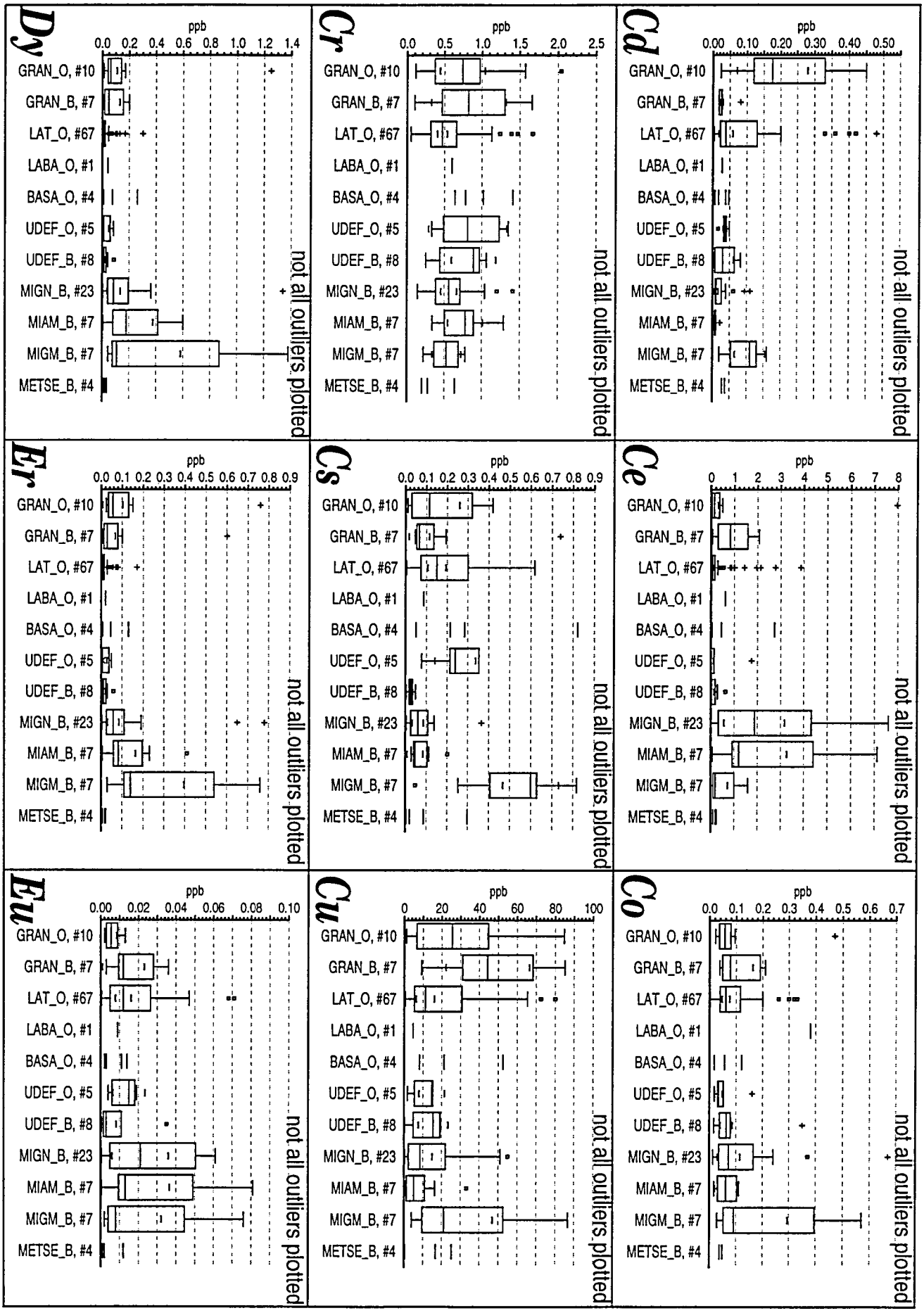
Vedlegg 3

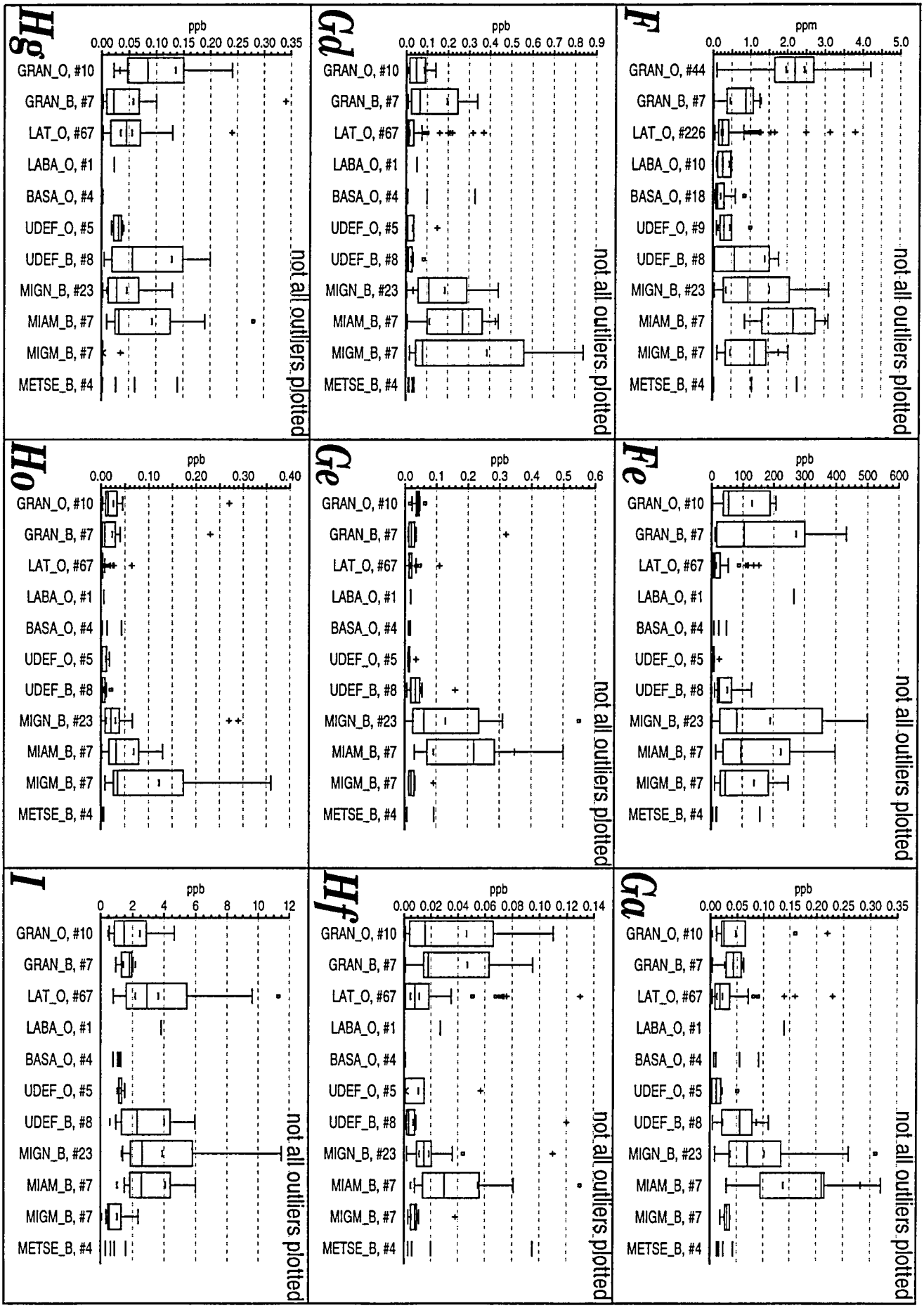
"Boxplot"-diagrammer som viser elementinnholdets variasjon i de ulike borebrønner sammenlignet med i hvilken bergart borebrønnene er boret (# er antall borebrønner i utvalget).

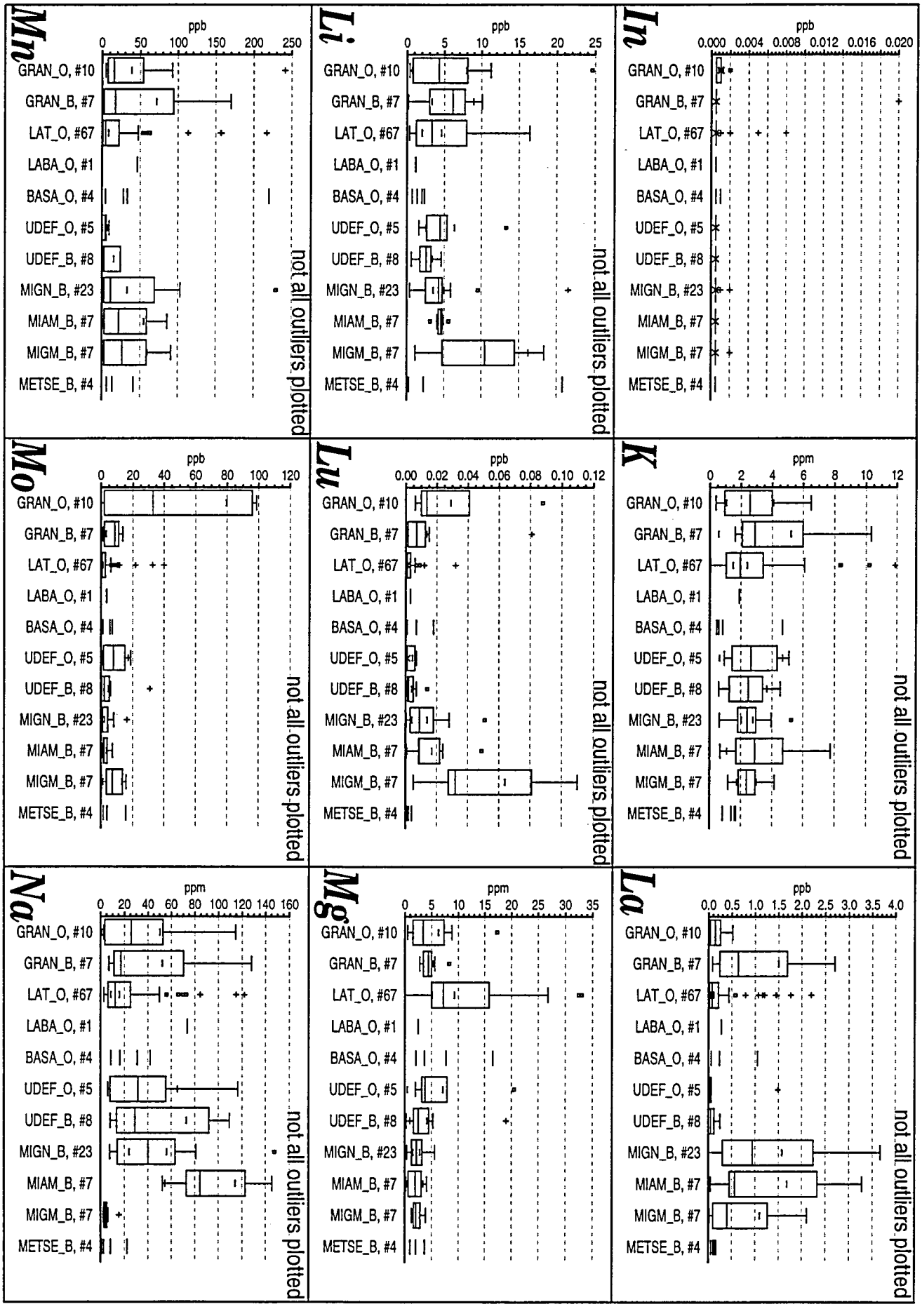
Forklaring på de ulike bergartsforkortelser:

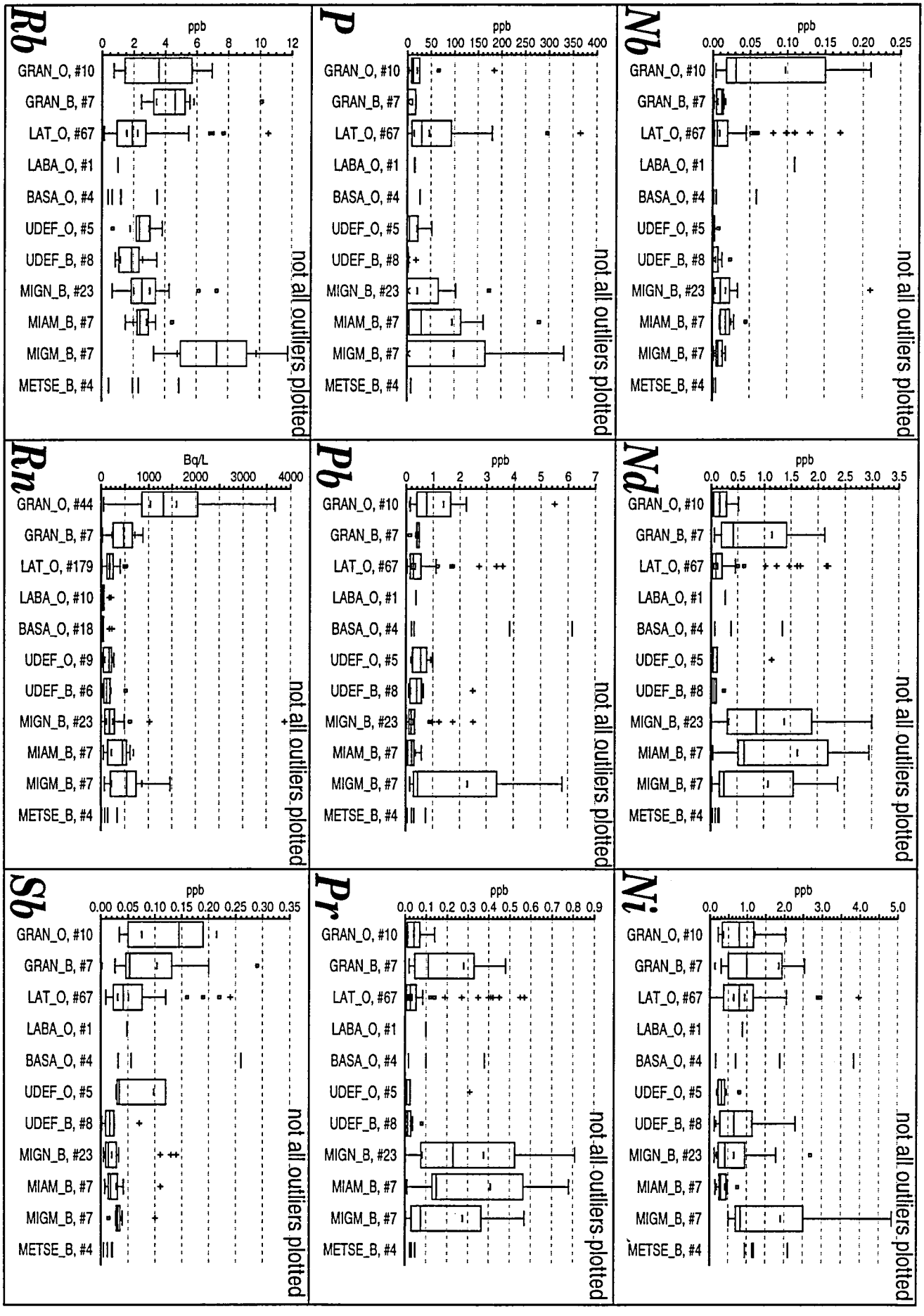
GRAN_O:	Granitter, Oslo	UDEF_O:	Bergart ikke identifisert, Oslo
GRAN_B:	Granitter, Bergen	UDEF_B:	Bergart ikke identifisert, Bergen
LAT_O:	Latitter, Oslo	MIGN_B:	Migmatittiske gneiser, Bergen
LABA_O:	Latitter til basalt, Oslo	MIAM_B:	Migmatittiske amfibolitter, Bergen
BASA_O:	Basalt, Oslo	MIGM_B:	Migmatitter, Bergen
METSE_B:	Metasedimenter, Bergen		

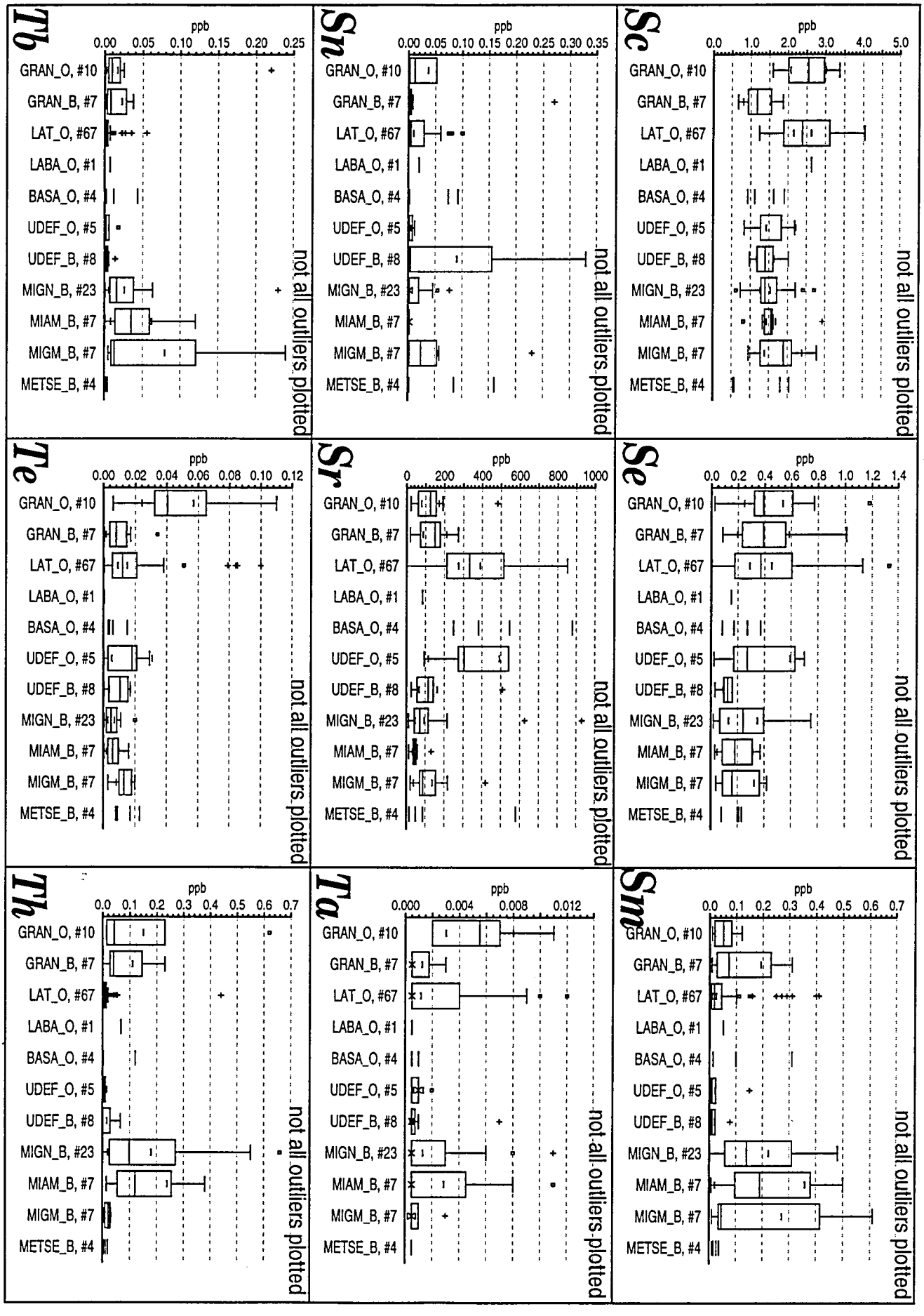

Bi
ppb
0.000 0.004 0.008 0.012
B
ppb
0 100 200 300 400 500
Ag
ppb
0.000 0.010 0.020 0.030
Br
ppb
0 20 40 60 80 100 120 140 160
Ba
ppb
0 20 40 60 80 100 120 140 160 180
Al
ppb
0 40 80 120 160 200
Ca
ppm
0 10 20 30 40 50 60 70 80 90
Be
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
As
ppb
0.0 0.5 1.0 1.5 2.0 2.5
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted

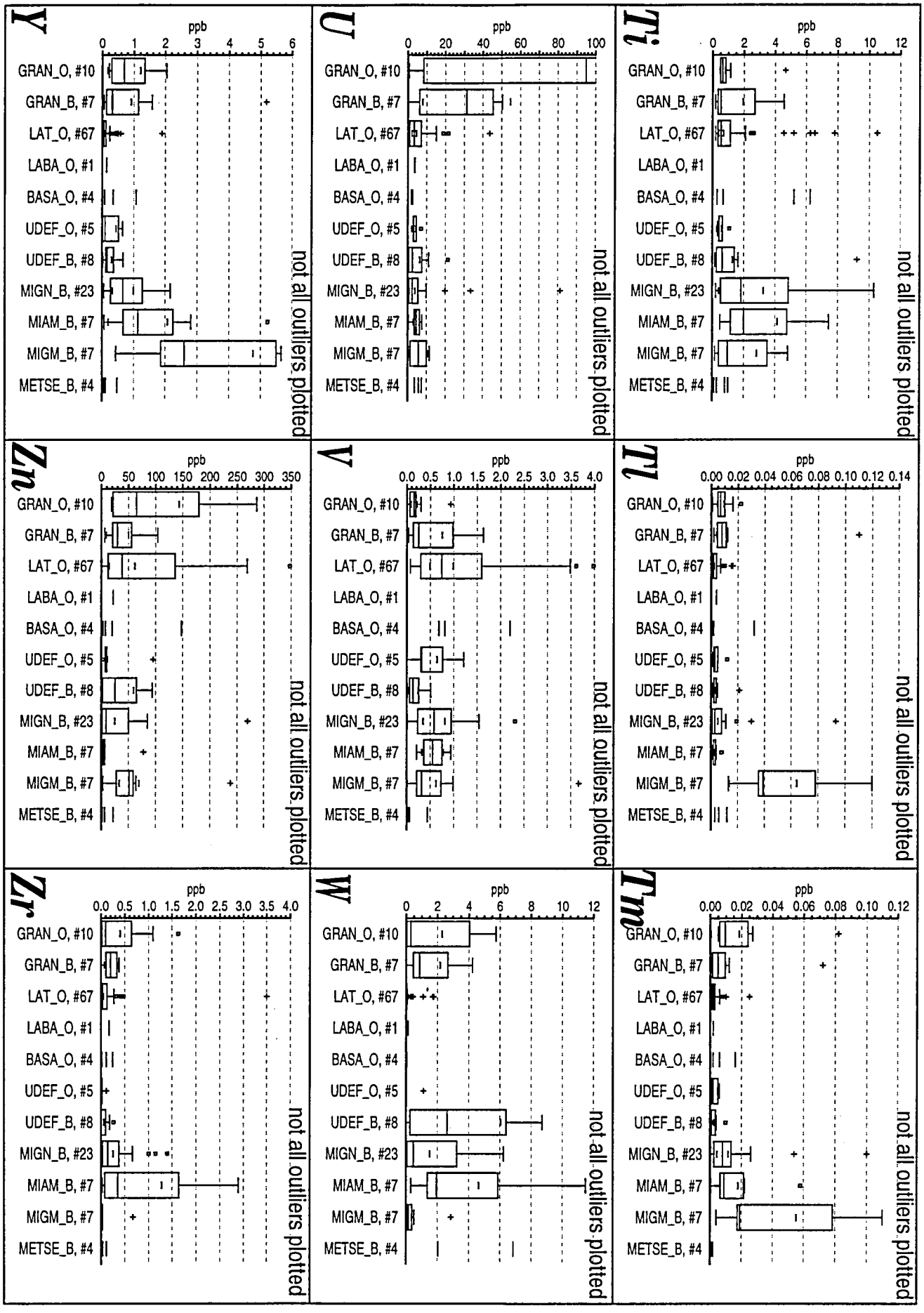

Dy
ppb
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Cr
ppb
0.0 0.5 1.0 1.5 2.0 2.5
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Cd
ppb
0.00 0.10 0.20 0.30 0.40 0.50
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Er
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Cs
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Ce
ppb
0 1 2 3 4 5 6 7 8
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Eu
ppb
0.00 0.02 0.04 0.06 0.08 0.10
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Cu
ppb
0 20 40 60 80 100
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Co
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted


Hg
ppb
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Gd
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
F
ppm
0.0 1.0 2.0 3.0 4.0 5.0
GRAN_O, #44
GRAN_B, #7
LAT_O, #226
LABA_O, #10
BASA_O, #18
UDEF_O, #9
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Ho
ppb
0.00 0.10 0.20 0.30 0.40
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
Ge
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Fe
ppb
0 100 200 300 400 500 600
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
I
ppb
0 2 4 6 8 10 12
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Hf
ppb
0.00 0.02 0.04 0.06 0.08 0.10 0.12 0.14
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Ga
ppb
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted


Mn
ppb
0 50 100 150 200 250
Li
ppb
0 5 10 15 20 25
In
ppb
0.000 0.004 0.008 0.012 0.016 0.020
Mo
ppb
0 20 40 60 80 100 120
Lu
ppb
0.00 0.02 0.04 0.06 0.08 0.10 0.12
K
ppm
0 2 4 6 8 10 12
Na
ppm
0 20 40 60 80 100 120 140 160
Mg
ppm
0 5 10 15 20 25 30 35
La
ppb
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted

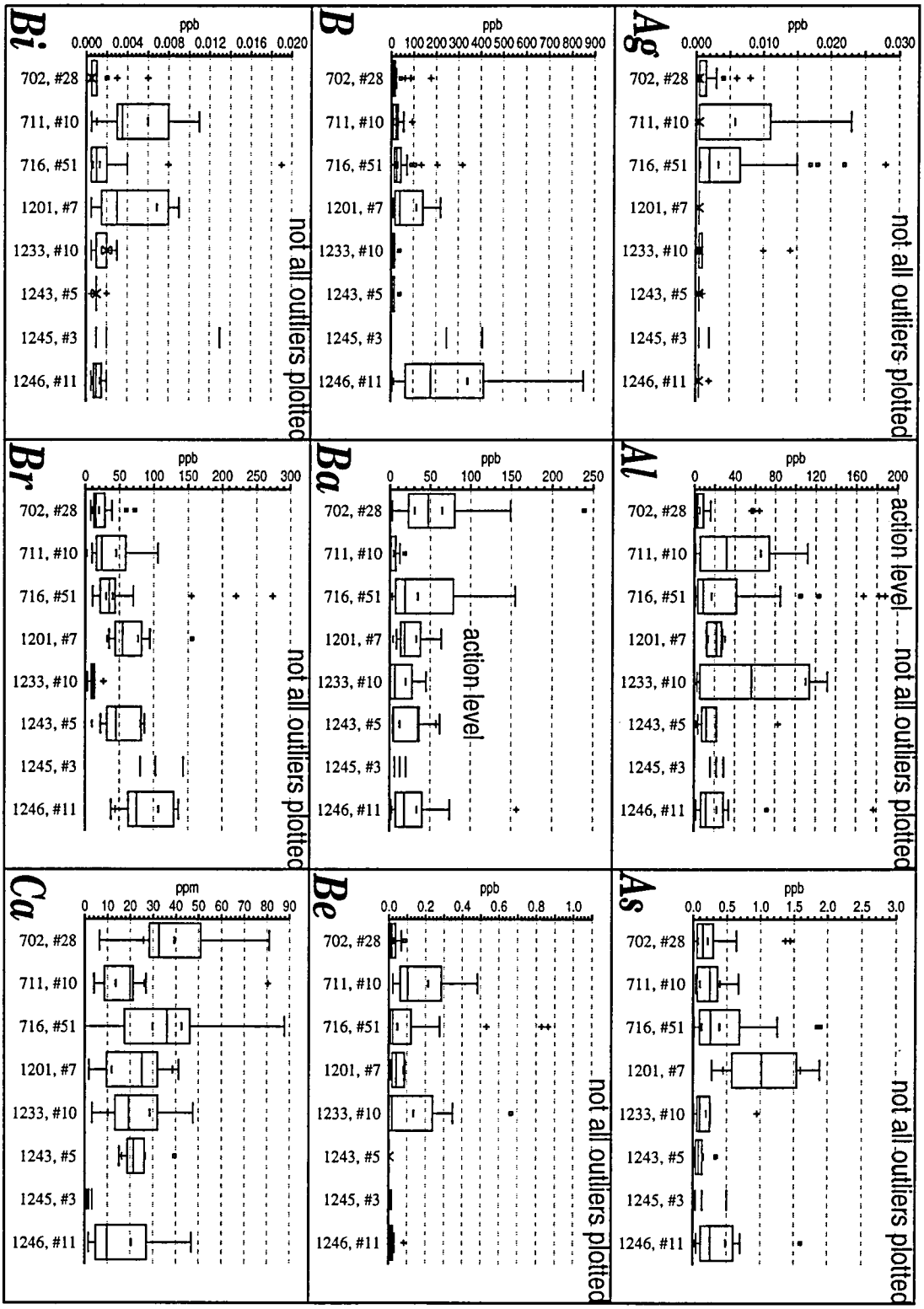

Rb
ppb
0 2 4 6 8 10 12
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
P
ppb
0 50 100 150 200 250 300 350 400
not all outliers plotted
Nb
ppb
0.00 0.05 0.10 0.15 0.20 0.25
not all outliers plotted
Rn
Bq/L
0 1000 2000 3000 4000
GRAN_O, #44
LAT_O, #179
LABA_O, #10
BASA_O, #18
UDEF_O, #9
UDEF_B, #6
not all outliers plotted
Pb
ppb
0 1 2 3 4 5 6 7
not all outliers plotted
Nd
ppb
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5
not all outliers plotted
Sb
ppb
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35
not all outliers plotted
Pr
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9
not all outliers plotted
Ni
ppb
0.0 1.0 2.0 3.0 4.0 5.0
not all outliers plotted

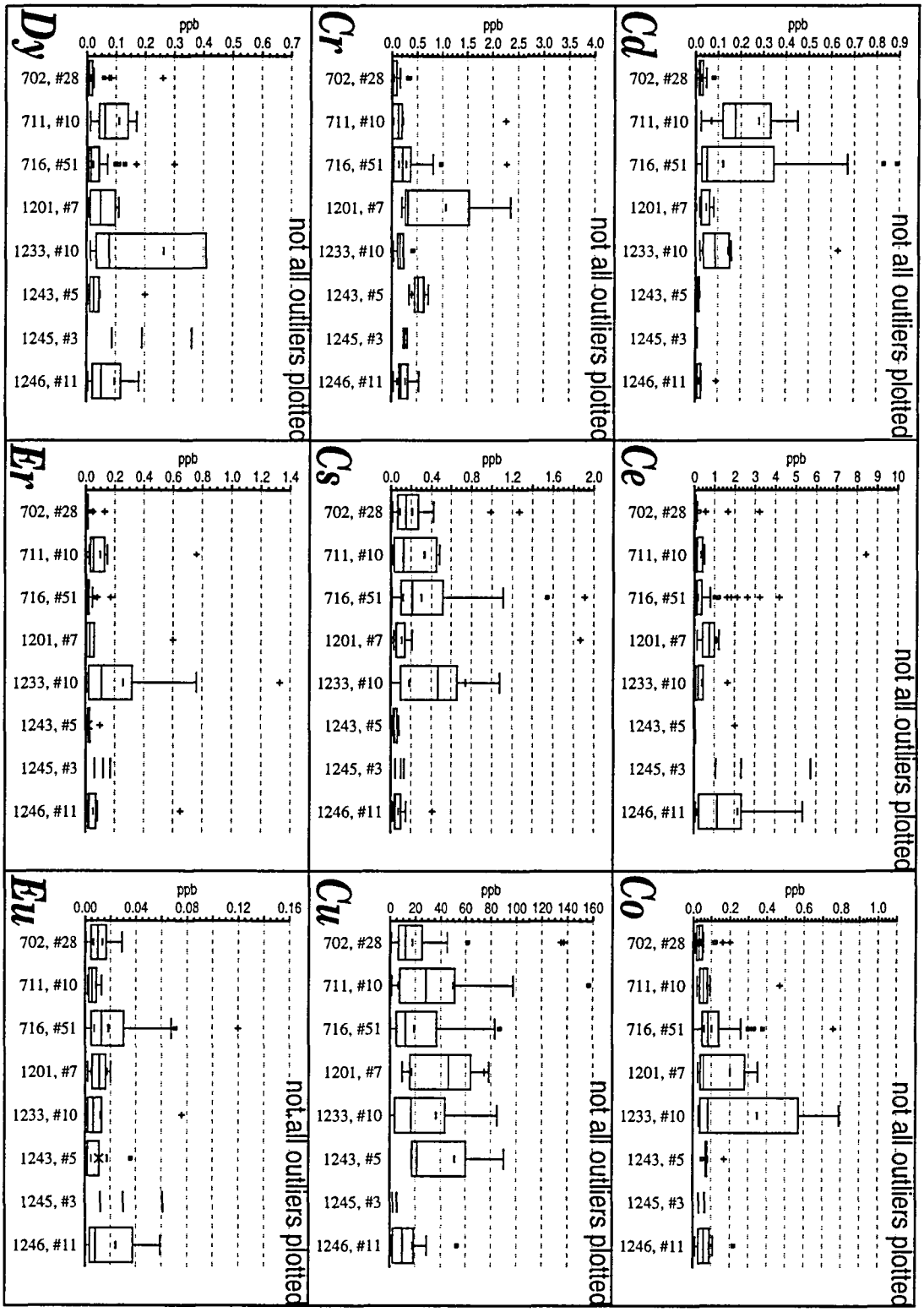

Tb
ppb
0.00 0.05 0.10 0.15 0.20 0.25
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Sn
ppb
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Sc
ppb
0.0 1.0 2.0 3.0 4.0 5.0
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Ta
ppb
0.00 0.02 0.04 0.06 0.08 0.10 0.12
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Sr
ppb
0 200 400 600 800 1000
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Se
ppb
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Th
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Ta
ppb
0.000 0.004 0.008 0.012
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Sm
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted

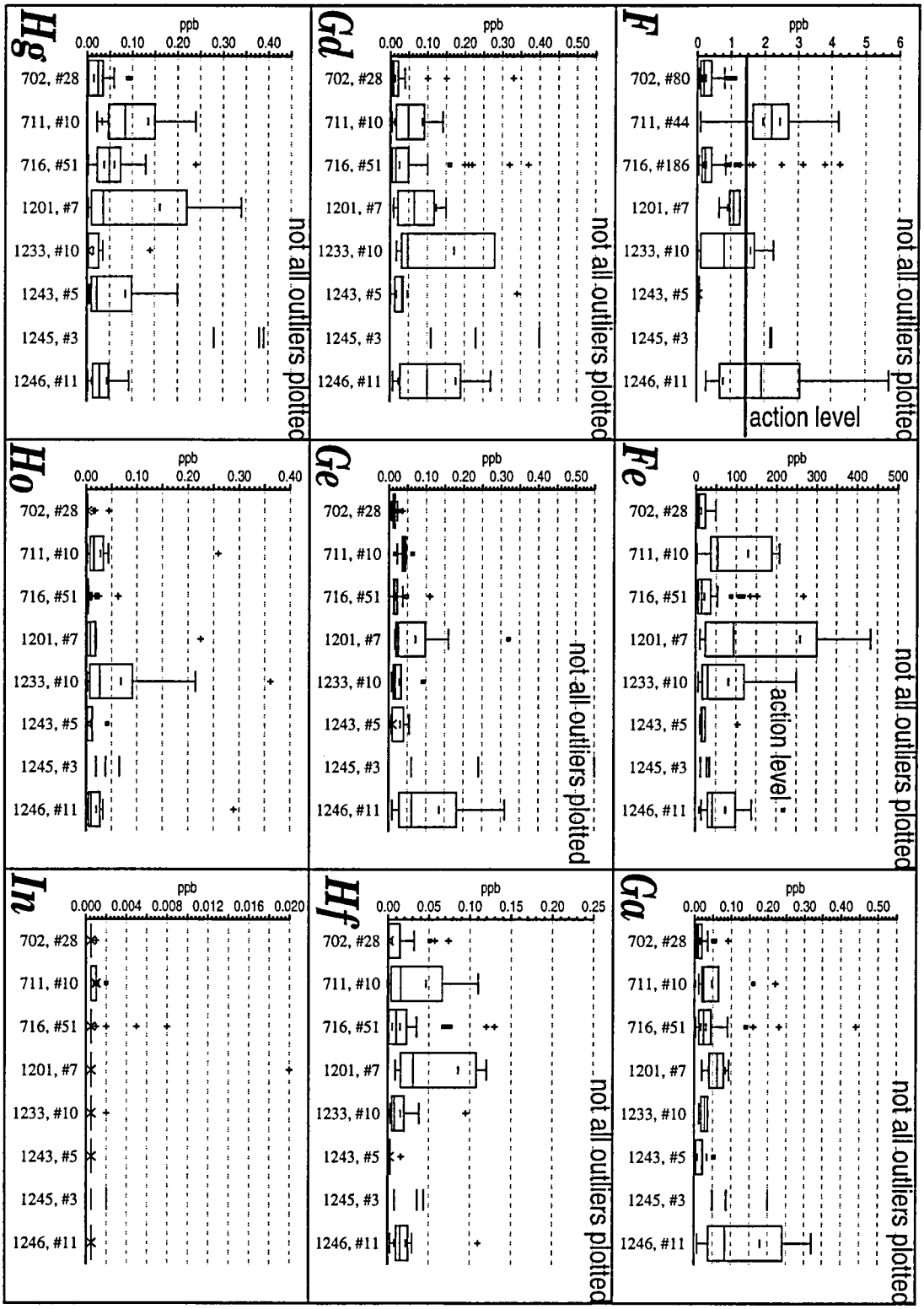

Y
ppb
0 1 2 3 4 5 6
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
U
ppb
0 20 40 60 80 100
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Ti
ppb
0 2 4 6 8 10 12
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Zn
ppb
0 50 100 150 200 250 300 350
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
V
ppb
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Tl
ppb
0.00 0.02 0.04 0.06 0.08 0.10 0.12 0.14
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Zr
ppb
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
W
ppb
0 2 4 6 8 10 12
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted
Tm
ppb
0.00 0.02 0.04 0.06 0.08 0.10 0.12
GRAN_O, #10
GRAN_B, #7
LAT_O, #67
LABA_O, #1
BASA_O, #4
UDEF_O, #5
UDEF_B, #8
MIGN_B, #23
MIAM_B, #7
MIGM_B, #7
METSE_B, #4
not all outliers plotted

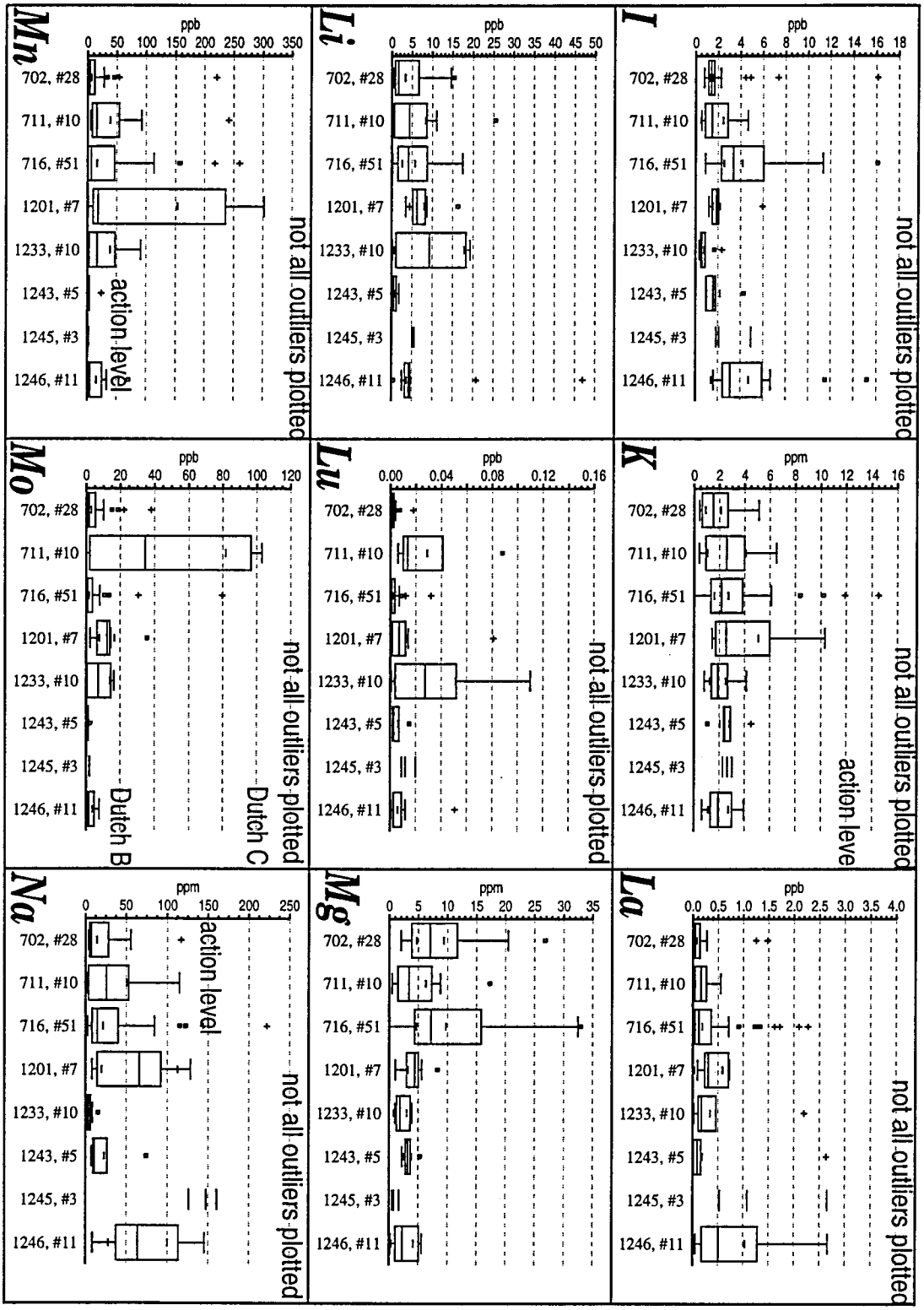
Vedlegg 4

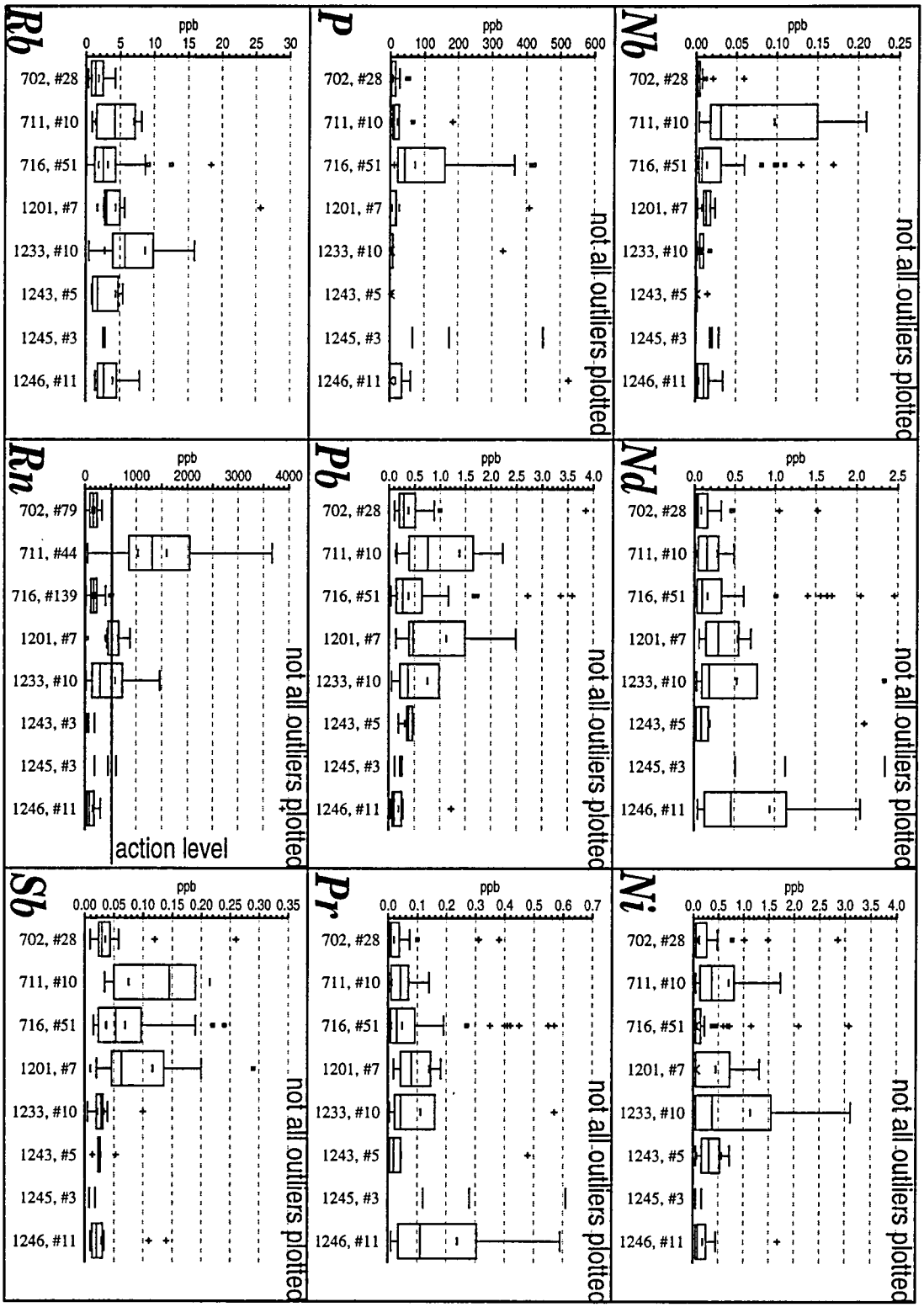
"Boxplot"-diagrammer som viser elementinnholdets variasjon i de ulike borebrønner sammenlignet med i hvilken kommune borebrønnene er boret (702 etc. angir kommunen, # er antall borebrønner i utvalget). For ytterligere opplysninger om "outliers" vises det til vedlegg 7 og 8.

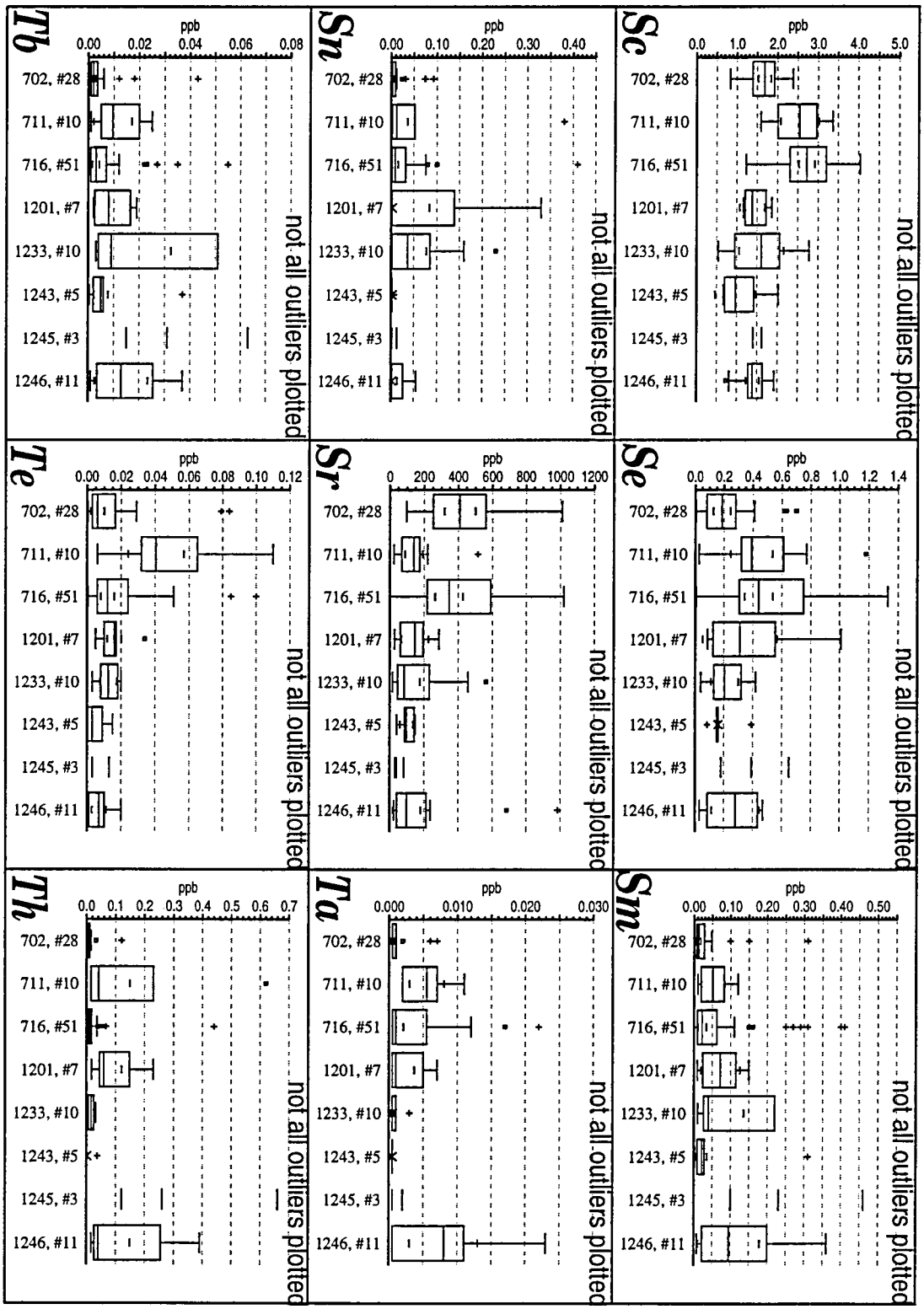

Ag
ppb
0.000 0.010 0.020 0.030
B
ppb
0 100 200 300 400 500 600 700 800 900
Bi
ppb
0.000 0.004 0.008 0.012 0.016 0.020
Al
ppb
0 40 80 120 160 200
action level
Ba
ppb
0 50 100 150 200 250
action level
Br
ppb
0 50 100 150 200 250 300
As
ppb
0.0 0.5 1.0 1.5 2.0 2.5 3.0
Be
ppb
0.0 0.2 0.4 0.6 0.8 1.0
Ca
ppm
0 10 20 30 40 50 60 70 80 90
702, #28
711, #10
716, #51
1201, #7
1233, #10
1243, #5
1245, #3
1246, #11
not all outliers plotted

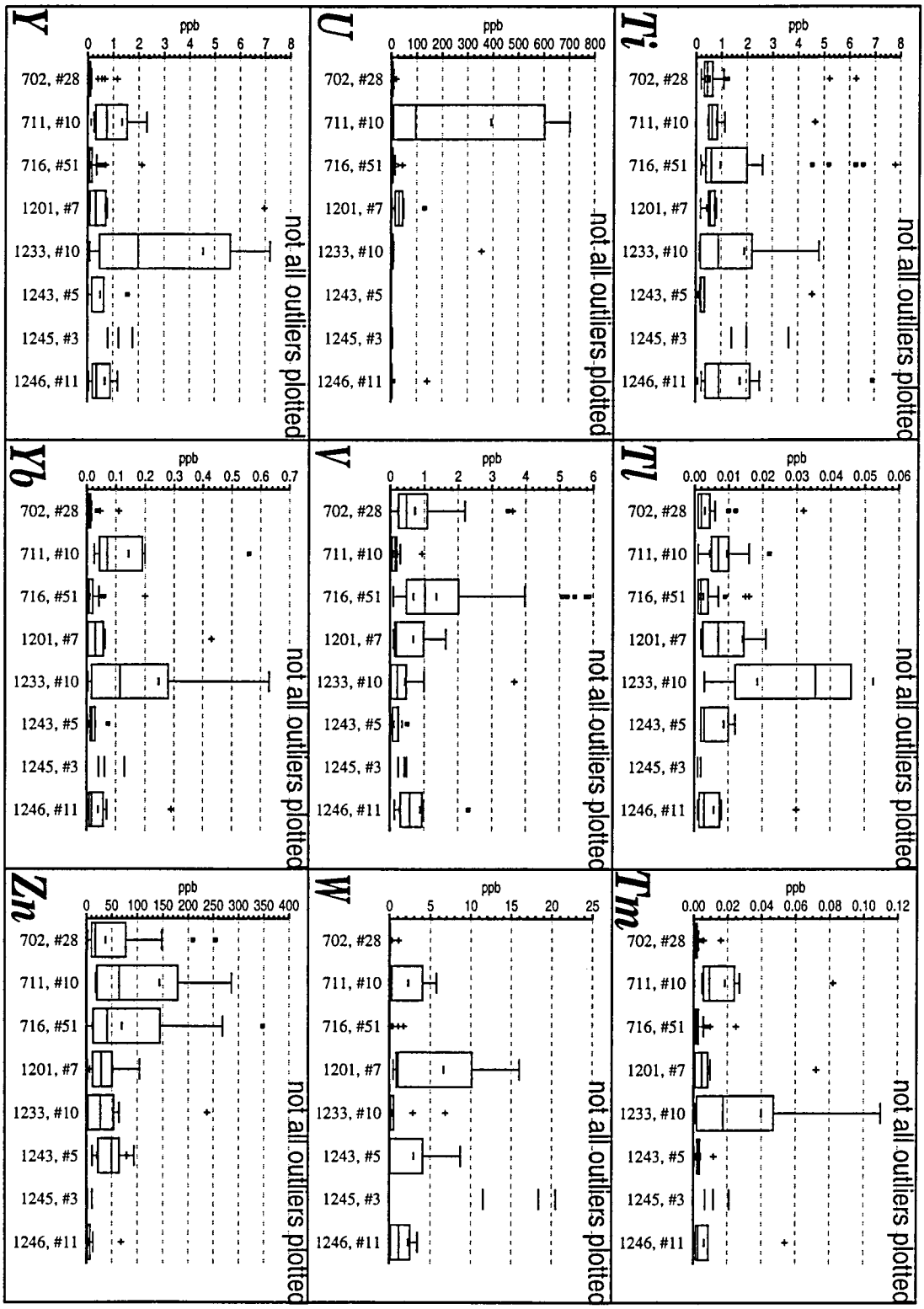

Dy
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
Cr
ppb
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0
Cd
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9
Er
ppb
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4
Cs
ppb
0.0 0.4 0.8 1.2 1.6 2.0
Ce
ppb
0 1 2 3 4 5 6 7 8 9 10
Eu
ppb
0.00 0.04 0.08 0.12 0.16
Cu
ppb
0 20 40 60 80 100 120 140 160
Co
ppb
0.0 0.2 0.4 0.6 0.8 1.0
702, #28
711, #10
716, #51
1201, #7
1233, #10
1243, #5
1245, #3
1246, #11
not all outliers plotted


Hg
Gd
F
Ho
Ge
Fe
In
Hf
Ga
ppb
not all outliers plotted
action level
702, #28
711, #10
716, #51
1201, #7
1233, #10
1243, #5
1245, #3
1246, #11
702, #80
711, #44
716, #186


Mn
ppb
0 50 100 150 200 250 300 350
Li
ppb
0 5 10 15 20 25 30 35 40 45 50
I
ppb
0 2 4 6 8 10 12 14 16 18
Mo
ppb
0 20 40 60 80 100 120
Lu
ppb
0.00 0.04 0.08 0.12 0.16
K
ppm
0 2 4 6 8 10 12 14 16
Na
ppm
0 50 100 150 200 250
Mg
ppm
0 5 10 15 20 25 30 35
La
ppb
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0
702, #28
711, #10
716, #51
1201, #7
1233, #10
1243, #5
1245, #3
1246, #11
action level
Dutch B
Dutch C
not all outliers plotted

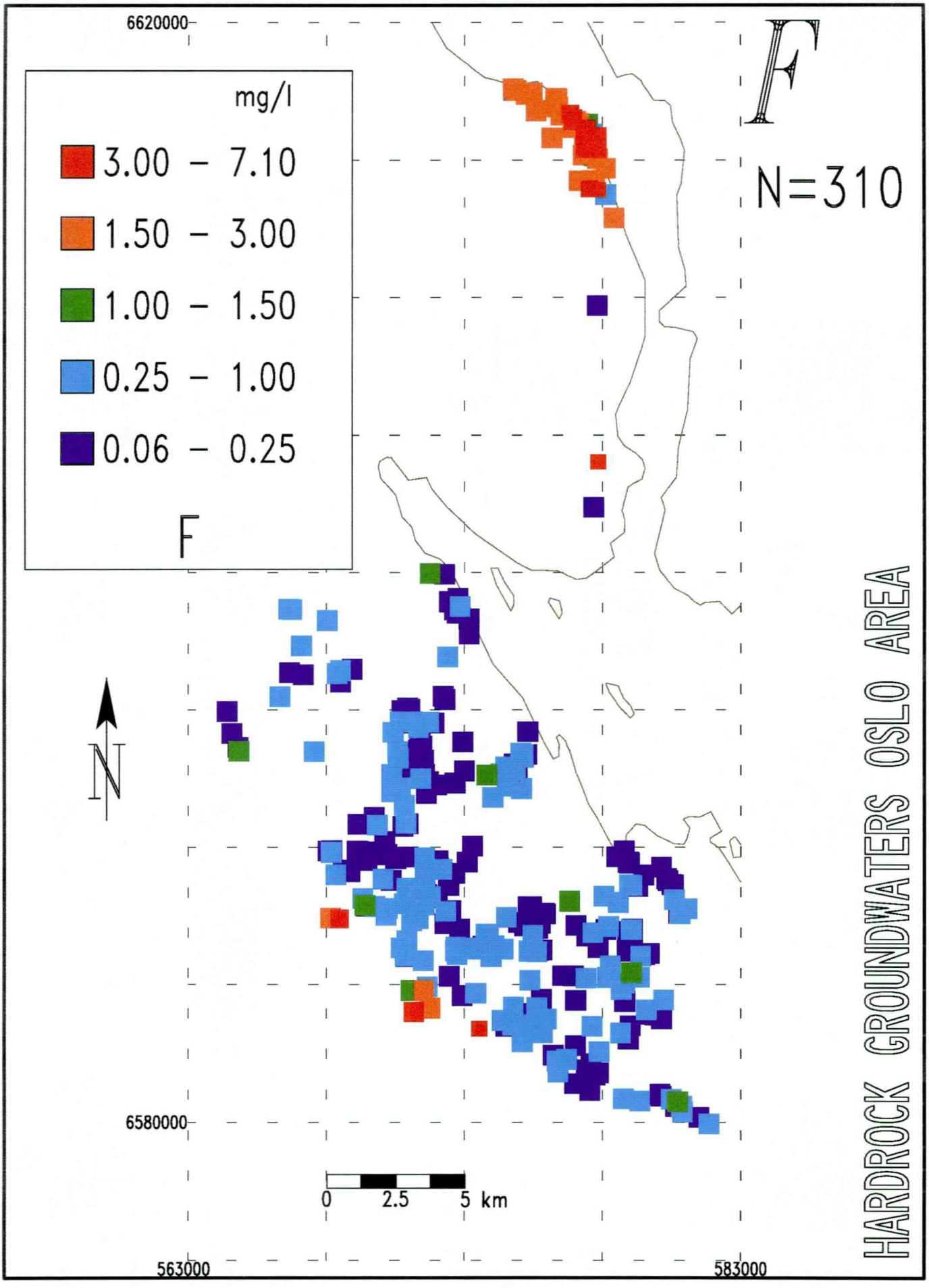

Rb
ppb
0 5 10 15 20 25 30
702, #28
711, #10
716, #51
1201, #7
1233, #10
1243, #5
1245, #3
1246, #11
P
ppb
0 100 200 300 400 500 600
not all outliers plotted
Nb
ppb
0.00 0.05 0.10 0.15 0.20 0.25
not all outliers plotted
Rn
ppb
0 1000 2000 3000 4000
702, #79
711, #44
716, #139
1201, #7
1233, #10
1243, #3
1245, #3
1246, #11
action level
not all outliers plotted
Pb
ppb
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0
not all outliers plotted
Nd
ppb
0.0 0.5 1.0 1.5 2.0 2.5
not all outliers plotted
Sb
ppb
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35
not all outliers plotted
Pr
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
not all outliers plotted
Ni
ppb
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0
not all outliers plotted


Tb
ppb
0.00 0.02 0.04 0.06 0.08
Sn
ppb
0.00 0.10 0.20 0.30 0.40
Sc
ppb
0.0 1.0 2.0 3.0 4.0 5.0
Te
ppb
0.00 0.02 0.04 0.06 0.08 0.10 0.12
Sr
ppb
0 200 400 600 800 1000 1200
Se
ppb
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4
Th
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
Ta
ppb
0.000 0.010 0.020 0.030
Sm
ppb
0.00 0.10 0.20 0.30 0.40 0.50
702, #28
711, #10
716, #51
1201, #7
1233, #10
1243, #5
1245, #3
1246, #11
not all outliers plotted


Y
ppb
0 1 2 3 4 5 6 7 8
U
ppb
0 100 200 300 400 500 600 700 800
Tl
ppb
0 1 2 3 4 5 6 7 8
Yb
ppb
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
V
ppb
0 1 2 3 4 5 6
Tl
ppb
0.00 0.01 0.02 0.03 0.04 0.05 0.06
Zn
ppb
0 50 100 150 200 250 300 350 400
W
ppb
0 5 10 15 20 25
Tm
ppb
0.00 0.02 0.04 0.06 0.08 0.10 0.12
702, #28
711, #10
716, #51
1201, #7
1233, #10
1243, #5
1245, #3
1246, #11
not all outliers plotted

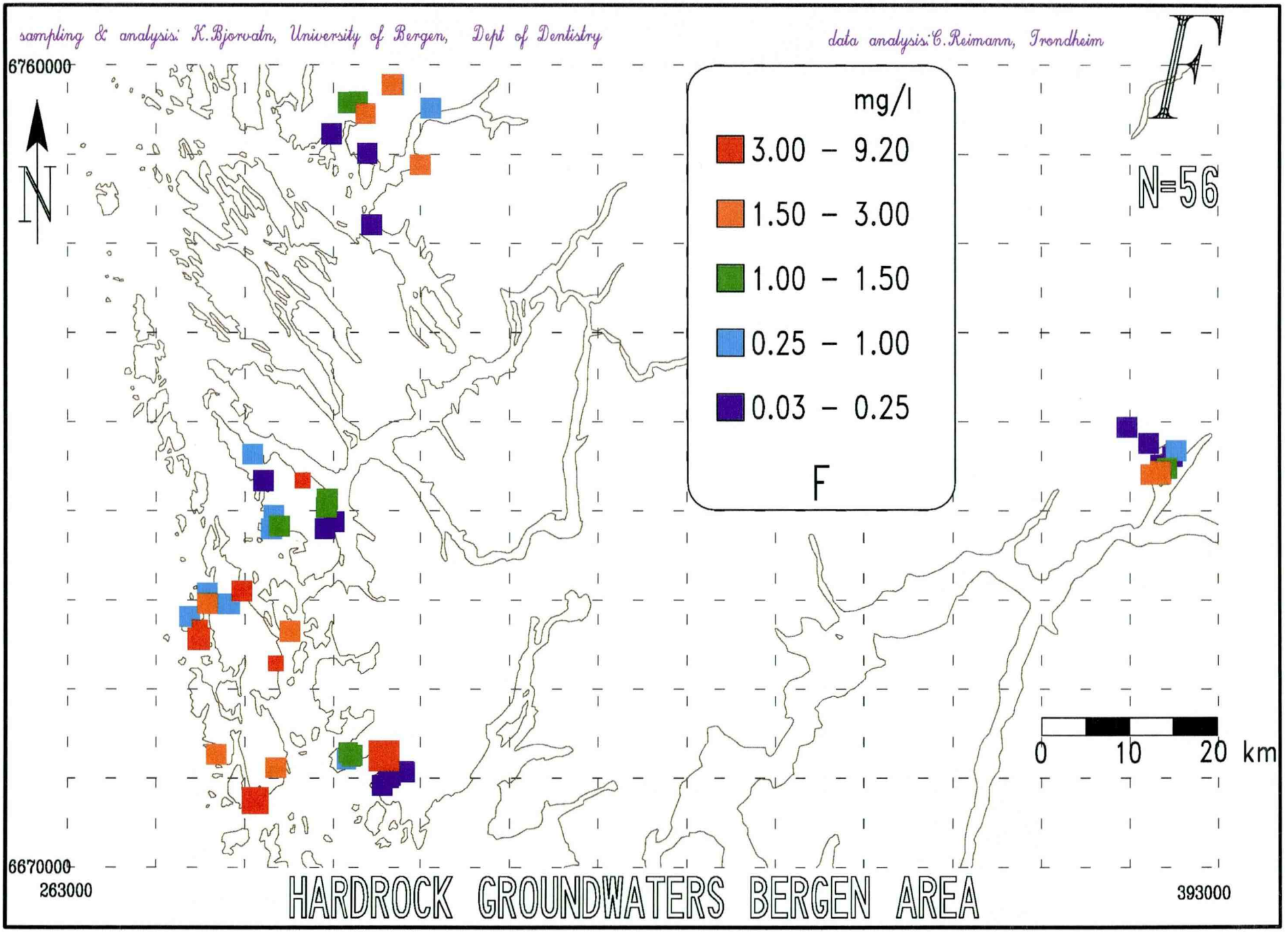
Vedlegg 5

Geografisk fordeling av fluorid i grunnvann i Oslo-området. De oransje og røde punktene er over grenseverdien på 1.5 mg/L


6620000
mg/l
3.00 – 7.10
1.50 – 3.00
1.00 – 1.50
0.25 – 1.00
0.06 – 0.25
F
F
N=310
N
6580000
0
2.5
5 km
563000
583000
HARDROCK GROUNDWATERS OSLO AREA

Vedlegg 6

Geografisk fordeling av fluorid i grunnvann i Bergens-området. De oransje og røde punktene er over grenseverdien på 1.5 mg/L


sampling & analysis: K.Bjorvatn, University of Bergen, Dept of Dentistry
data analysis: C.Reimann, Trondheim
6760000
6670000
263000
393000
mg/l
3.00 - 9.20
1.50 - 3.00
1.00 - 1.50
0.25 - 1.00
0.03 - 0.25
F
N=56
0 10 20 km
HARDROCK GROUNDWATERS BERGEN AREA

Vedlegg 7

Statistiske tabeller for alle elementer som er analysert. Verdier under deteksjonsgrensen er satt til ½-parten av deteksjonsgrensen for statistiske beregninger.

)AS-Univariate Statistics Mon Feb 05 13:49:47 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Ag_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.0005		Mean :	0.00388333
Hinges :	0.0005	0.003	Huber :	0.00209212
Whiskers:	0.0005	0.006	Hampel:	0.00273442
Fences :	-0.00325	0.00675		
Extremes:	0.0005	0.074	Coeff. of Variation:	2.32997

Variance : 8.18672e-005
St. Dev. : 0.00904805
Hinge-Spread: 0.0025 (Normal Consistent: 0.00185322)
MedMed : 0 (Normal Consistent: 0)
Robust Variance (Huber): 1.54902e-005

	Value	Value/S.E.
Skewness:	4.79325	23.9663
Kurtosis:	28.1495	70.3737

Minimum Standard Score: -0.37393 Maximum Standard Score: 7.74937

)utliers based on Boxplot fences:

.ower outliers: (number of values counted: 0)

Jpper outliers: (number of values counted: 24)

l201_4 :	0.074	711_2 :	0.048	716_190:	0.044	716_61 :	0.028
'11_44 :	0.023	716_11 :	0.022	1247_1 :	0.019	716_12 :	0.018
'16_99 :	0.017	716_8 :	0.015	716_278:	0.015	1233_6 :	0.014
'16_22 :	0.012	711_42 :	0.011	1247_7 :	0.01	1233_8 :	0.01
l247_2 :	0.009	716_91 :	0.009	1247_10:	0.009	702_46 :	0.008
'16_146:	0.007	716_197:	0.007	716_26 :	0.007	716_28 :	0.007

```
DAS-Univariate Statistics                                Mon Feb 05 13:49:50 1996
-------------------------------------------------------------------------------
          GSC and complete BGR data, hardrock groundwater, JAN.96
-------------------------------------------------------------------------------
                                              File : c:\___\gwendy\gsc_bgr.das
                          +======================+
                          ! Al ppb, (ICPMS) - 2  !
                          +======================+

      Number of values used    : 150
      Number of missing values : 222
      Name of subset(s)        : NONE

               Boxplot Statistics                    Location Estimates
      Median  :            12                Mean  :          60.46
      Hinges  :         4        51          Huber :        23.2274
      Whiskers:         1       114          Hampel:        37.6029
      Fences  :     -66.5     121.5
      Extremes:         1      2537          Coeff. of Variation:  3.87487

      Variance     :  54884.5
      St. Dev.     :  234.275
      Hinge-Spread:       47   (Normal Consistent:  34.8406)
      MedMed       :       10   (Normal Consistent:  14.8258)
      Robust Variance (Huber):  753.252

                  Value          Value/S.E.
      Skewness:  8.81128          44.0564
      Kurtosis:  84.9676          212.419

    Minimum Standard Score: -0.253805    Maximum Standard Score:  10.5711

-------------------------------------------------------------------------------

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 13)
1201_4 :    2537 ! 1233_6 :    1266 ! 711_44 :     371 ! 716_11 :     351 !
1247_2 :     217 ! 716_61 :     188 ! 716_99 :     182 ! 1246_7 :     177 !
1247_10:     177 ! 716_197:     167 ! 1247_4 :     155 ! 1233_8 :     132 !
716_278:     123 !
```

DAS-Univariate Statistics Mon Feb 05 13:49:53 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

As_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.2		Mean :	0.5215
Hinges :	0.092	0.51	Huber :	0.290464
Whiskers:	0.0125	1.11	Hampel:	0.401749
Fences :	-0.535	1.137		
Extremes:	0.0125	11.1	Coeff. of Variation:	2.17612

Variance : 1.28788
St. Dev. : 1.13485
Hinge-Spread: 0.418 (Normal Consistent: 0.309859)
MedMed : 0.142 (Normal Consistent: 0.210526)
Robust Variance (Huber): 0.0810091

	Value	Value/S.E.
Skewness:	6.31395	31.5697
Kurtosis:	50.3802	125.951

Minimum Standard Score: -0.448518 Maximum Standard Score: 9.32151

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 15)

702_32 :	11.1	1201_4 :	4.77	716_105:	4.39	1201_9 :	3.95
716_190:	3.22	716_292:	1.89	1201_5 :	1.88	716_177:	1.84
1246_9 :	1.6	1201_11:	1.45	702_2 :	1.44	702_11 :	1.37
716_278:	1.25	1266_9 :	1.2	1201_8 :	1.2		

DAS-Univariate Statistics Mon Feb 05 13:49:57 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========+
! B_BGR !
+========+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	20.6		Mean :	58.9453
Hinges :	9.14	50	Huber :	29.3739
Whiskers:	0.5	106	Hampel:	45.8371
Fences :	-52.15	111.29		
Extremes:	0.5	854	Coeff. of Variation:	1.88509

Variance : 12347
St. Dev. : 111.117
Hinge-Spread: 40.86 (Normal Consistent: 30.2891)
MedMed : 14.645 (Normal Consistent: 21.7124)
Robust Variance (Huber): 851.985

	Value	Value/S.E.
Skewness:	3.89668	19.4834
Kurtosis:	19.1137	47.7842

Minimum Standard Score: -0.525979 Maximum Standard Score: 7.1551

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 18)

1246_10:	854	!	1246_9 :	471	!	1246_11:	433	!	1245_2 :	409	!
1245_1 :	407	!	1246_4 :	395	!	1247_7 :	345	!	716_122:	318	!
1245_3 :	248	!	1201_8 :	220	!	716_255:	206	!	1246_3 :	202	!
1201_4 :	181	!	1246_2 :	178	!	702_2 :	176	!	1247_8 :	138	!
716_94 :	135	!	1246_1 :	117	!						

DAS-Univariate Statistics Mon Feb 05 13:50:00 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========================+
! Ba ppb, (ICPMS) - 0.2 !
+========================+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	16.65		Mean :	37.0487
Hinges :	5.4	51.8	Huber :	26.7456
Whiskers:	0.2	116.4	Hampel:	32.2986
Fences :	-64.2	121.4		
Extremes:	0.2	237.1	Coeff. of Variation:	1.27567

Variance : 2233.67
St. Dev. : 47.2617
Hinge-Spread: 46.4 (Normal Consistent: 34.3958)
MedMed : 14.5 (Normal Consistent: 21.4974)
Robust Variance (Huber): 862.955

	Value	Value/S.E.
Skewness:	1.79299	8.96498
Kurtosis:	2.75615	6.89038

Minimum Standard Score: -0.779673 Maximum Standard Score: 4.23284

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 14)

702_5 :	237.1	!	716_40 :	177.1	!	716_8 :	176.7	!	702_82 :	167.9	!
1266_10:	167.2	!	1246_6 :	156.1	!	716_221:	149.9	!	716_125:	148.5	!
716_38 :	148.1	!	716_255:	146.8	!	702_58 :	138.7	!	716_91 :	132.7	!
716_28 :	130.7	!	716_278:	124	!						

DAS-Univariate Statistics Mon Feb 05 13:50:03 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========+
! Be_BGR !
+========+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.04		Mean :	0.12366
Hinges :	0.014	0.099	Huber :	0.0588427
Whiskers:	0.001	0.22	Hampel:	0.0897935
Fences :	-0.1135	0.2265		
Extremes:	0.001	2.82	Coeff. of Variation:	2.51118

Variance : 0.0964307
St. Dev. : 0.310533
Hinge-Spread: 0.085 (Normal Consistent: 0.0630096)
MedMed : 0.031 (Normal Consistent: 0.04596)
Robust Variance (Huber): 0.00397115

	Value	Value/S.E.
Skewness:	6.15587	30.7793
Kurtosis:	44.4778	111.195

Minimum Standard Score: -0.394998 Maximum Standard Score: 8.68294

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 17)

711_28 :	2.82	! 1201_4 :	1.99	! 716_99 :	1.04	! 716_11 :	0.87	!			
1233_8 :	0.69	! 711_19 :	0.6	! 716_8 :	0.52	! 1233_3 :	0.43	!			
716_28 :	0.4	! 1233_6 :	0.4	! 716_61 :	0.36	! 716_47 :	0.33	!			
711_44 :	0.31	! 716_137:	0.29	! 711_22 :	0.27	! 716_69 :	0.27	!			
716_334:	0.24	!									

DAS-Univariate Statistics Mon Feb 05 13:50:52 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========+
! Bi_BGR !
+========+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.001		Mean :	0.00369333
Hinges :	0.0005	0.002	Huber :	0.00165951
Whiskers:	0.0005	0.004	Hampel:	0.00215178
Fences :	-0.00175	0.00425		
Extremes:	0.0005	0.16	Coeff. of Variation:	4.1599

Variance : 0.00023605
St. Dev. : 0.0153639
Hinge-Spread: 0.0015 (Normal Consistent: 0.00111193)
MedMed : 0.0005 (Normal Consistent: 0.00074129)
Robust Variance (Huber): 6.41041e-006

	Value	Value/S.E.
Skewness:	8.66823	43.3412
Kurtosis:	78.7209	196.802

Minimum Standard Score: -0.207846 Maximum Standard Score: 10.1736

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 14)

1201_4 :	0.16	1233_6 :	0.1	716_12 :	0.019	1245_3 :	0.013
711_22 :	0.011	711_13 :	0.011	1247_2 :	0.01	1201_11:	0.009
1201_10:	0.009	711_19 :	0.008	716_11 :	0.008	1201_8 :	0.007
702_58 :	0.006	711_2 :	0.005				

DAS-Univariate Statistics Mon Feb 05 13:50:55 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Br_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	35.1		Mean :	74.7567
Hinges :	18.3	58.4	Huber :	38.6539
Whiskers:	3.32	109	Hampel:	51.601
Fences :	-41.85	118.55		
Extremes:	3.32	1430	Coeff. of Variation:	2.45389

Variance : 33651.9
St. Dev. : 183.444
Hinge-Spread: 40.1 (Normal Consistent: 29.7257)
MedMed : 17.7 (Normal Consistent: 26.2417)
Robust Variance (Huber): 733.28

	Value	Value/S.E.
Skewness:	5.70227	28.5114
Kurtosis:	34.5715	86.4287

Minimum Standard Score: -0.389419 Maximum Standard Score: 7.38776

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 13)

716_122:	1430	1266_9 :	1320	1246_4 :	813	1246_9 :	790
716_177:	529	716_125:	274	716_94 :	220	1201_4 :	156
716_292:	155	1245_1 :	143	1246_10:	136	1246_8 :	123
1247_3 :	120										

DAS-Univariate Statistics Mon Feb 05 13:51:08 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+======================+
! Ca ppm, (AAS) - 0.1 !
+======================+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	25.7		Mean :	27.5827
Hinges :	10.4	39.5	Huber :	26.1843
Whiskers:	0.1	81	Hampel:	26.6127
Fences :	-33.25	83.15		
Extremes:	0.1	87.8	Coeff. of Variation:	0.708234

Variance : 381.616
St. Dev. : 19.535
Hinge-Spread: 29.1 (Normal Consistent: 21.5715)
MedMed : 14.65 (Normal Consistent: 21.7198)
Robust Variance (Huber): 392.792

	Value	Value/S.E.
Skewness:	0.689152	3.44576
Kurtosis:	-0.00751013	-0.0187753

Minimum Standard Score: -1.40684 Maximum Standard Score: 3.08254

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 1)
716_146: 87.8 !

DAS-Univariate Statistics Mon Feb 05 13:51:05 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========================+
! Ce ppb, (ICPMS) - 0.01 !
+========================+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.1465		Mean :	2.63163
Hinges :	0.034	0.821	Huber :	0.332007
Whiskers:	0.005	1.958	Hampel:	1.09186
Fences :	-1.1465	2.0015		
Extremes:	0.005	232.076	Coeff. of Variation:	7.24409

Variance : 363.426
St. Dev. : 19.0637
Hinge-Spread: 0.787 (Normal Consistent: 0.583395)
MedMed : 0.1325 (Normal Consistent: 0.196442)
Robust Variance (Huber): 0.192591

	Value	Value/S.E.
Skewness:	11.6318	58.1588
Kurtosis:	136.9	342.249

Minimum Standard Score: -0.137781 Maximum Standard Score: 12.0357

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 21)

1201_4 :	232.076	1247_3 :	22.499	1233_6 :	12.69	1246_7 :	12.535
1247_4 :	11.374	711_44 :	7.961	1247_2 :	7.605	1247_7 :	7.119
1266_7 :	5.975	1245_1 :	5.402	1246_4 :	5.092	716_11 :	3.868
1247_10:	3.556	1266_1 :	3.163	716_99 :	2.767	702_5 :	2.728
1246_9 :	2.295	1246_2 :	2.244	1245_2 :	2.182	716_61 :	2.13
1243_5 :	2.071						

DAS-Univariate Statistics Mon Feb 05 13:50:58 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Cd_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.032		Mean :	0.15508
Hinges :	0.017	0.091	Huber :	0.0531454
Whiskers:	0.001	0.2	Hampel:	0.112506
Fences :	-0.094	0.202		
Extremes:	0.001	5.54	Coeff. of Variation:	3.22743

Variance : 0.250511
St. Dev. : 0.50051
Hinge-Spread: 0.074 (Normal Consistent: 0.0548555)
MedMed : 0.021 (Normal Consistent: 0.0311342)
Robust Variance (Huber): 0.00331645

	Value	Value/S.E.
Skewness:	8.64976	43.2488
Kurtosis:	87.2857	218.214

Minimum Standard Score: -0.307846 Maximum Standard Score: 10.7589

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 22)

1266_6 :	5.54	716_143:	1.81	716_26 :	0.95	716_103:	0.94
716_146:	0.89	716_278:	0.83	716_99 :	0.67	1266_4 :	0.64
1233_9 :	0.63	716_108:	0.48	716_107:	0.48	711_28 :	0.45
711_22 :	0.44	716_131:	0.42	716_190:	0.4	716_317:	0.4
716_207:	0.36	716_69 :	0.36	716_239:	0.33	711_44 :	0.33
711_13 :	0.3	716_306:	0.27				

DAS-Univariate Statistics Mon Feb 05 13:51:01 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Co_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.0615		Mean :	0.20708
Hinges :	0.036	0.11	Huber :	0.0790504
Whiskers:	0.0025	0.22	Hampel:	0.133066
Fences :	-0.075	0.221		
Extremes:	0.0025	8.12	Coeff. of Variation:	3.65101

Variance : 0.571614
St. Dev. : 0.756052
Hinge-Spread: 0.074 (Normal Consistent: 0.0548555)
MedMed : 0.0345 (Normal Consistent: 0.051149)
Robust Variance (Huber): 0.00430936

	Value	Value/S.E.
Skewness:	8.60654	43.0327
Kurtosis:	81.7263	204.316

Minimum Standard Score: -0.27059 Maximum Standard Score: 10.4661

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 19)

1201_4 :	8.12	716_278:	4.09	1233_6 :	1.48	702_5 :	1.21
716_137:	1.12	1233_1 :	0.79	716_171:	0.76	1266_1 :	0.67
1233_8 :	0.57	711_44 :	0.47	716_197:	0.38	1247_9 :	0.37
1201_10:	0.35	716_207:	0.33	716_107:	0.32	716_11 :	0.3
716_249:	0.26	1247_10:	0.24	1247_2 :	0.23		

DAS-Univariate Statistics Mon Feb 05 13:52:27 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========================+
! Cr ppb, (ICPMS) - 0.1 !
+========================+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.54		Mean :	0.674333
Hinges :	0.33	0.81	Huber :	0.577465
Whiskers:	0.05	1.47	Hampel:	0.61771
Fences :	-0.39	1.53		
Extremes:	0.05	5.86	Coeff. of Variation:	0.93902

Variance : 0.400958
St. Dev. : 0.633212
Hinge-Spread: 0.48 (Normal Consistent: 0.355819)
MedMed : 0.24 (Normal Consistent: 0.355819)
Robust Variance (Huber): 0.118684

	Value	Value/S.E.
Skewness:	4.57732	22.8866
Kurtosis:	30.5786	76.4466

Minimum Standard Score: -0.985978 Maximum Standard Score: 8.18946

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 7)

1201_4 :	5.86	716_122:	3.29	1233_6 :	3.01	711_44 :	2.04
702_11 :	1.67	1201_3 :	1.66	711_22 :	1.57		

DAS-Univariate Statistics Mon Feb 05 13:52:30 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========================+
! Cu ppb, (ICPMS) - 0.1 !
+========================+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	11.75		Mean :	34.9993
Hinges :	4.7	34.6	Huber :	18.5455
Whiskers:	0.4	72.5	Hampel:	25.7737
Fences :	-40.15	79.45		
Extremes:	0.4	1332	Coeff. of Variation:	3.23441

Variance : 12814.7
St. Dev. : 113.202
Hinge-Spread: 29.9 (Normal Consistent: 22.1646)
MedMed : 9.4 (Normal Consistent: 13.9362)
Robust Variance (Huber): 380.555

	Value	Value/S.E.
Skewness:	10.1239	50.6195
Kurtosis:	112.064	280.161

Minimum Standard Score: -0.305642 Maximum Standard Score: 11.4574

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 12)

716_278:	1332	! 716_91 :	262.6	! 1247_9 :	227.9	! 1247_10:	134.8	!			
702_28 :	133.7	! 711_44 :	120.4	! 702_71 :	119.8	! 1243_6 :	113.2	!			
1233_8 :	86.6	! 1201_2 :	85	! 711_42 :	84.7	! 716_22 :	80	!			

DAS-Univariate Statistics Mon Feb 05 13:52:33 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========================+
! Cs ppb, (ICPMS) - 0.01 !
+========================+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.097		Mean :	0.206813
Hinges :	0.043	0.245	Huber :	0.144649
Whiskers:	0.005	0.536	Hampel:	0.181524
Fences :	-0.26	0.548		
Extremes:	0.005	1.612	Coeff. of Variation:	1.28368

Variance : 0.0704804
St. Dev. : 0.265481
Hinge-Spread: 0.202 (Normal Consistent: 0.149741)
MedMed : 0.0675 (Normal Consistent: 0.100074)
Robust Variance (Huber): 0.0197786

	Value	Value/S.E.
Skewness:	2.42471	12.1235
Kurtosis:	6.98066	17.4517

Minimum Standard Score: -0.760179 Maximum Standard Score: 5.29298

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 17)

716_12 :	1.612	!	716_40 :	1.298	!	702_2 :	1.097	!	716_38 :	1.031	!
716_91 :	0.955	!	702_5 :	0.821	!	1233_6 :	0.818	!	1201_4 :	0.739	!
716_327:	0.689	!	1233_5 :	0.641	!	716_61 :	0.618	!	1233_4 :	0.616	!
716_47 :	0.615	!	1233_7 :	0.6	!	716_255:	0.592	!	716_28 :	0.582	!
1233_3 :	0.56	!									

DAS-Univariate Statistics Mon Feb 05 13:52:40 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========+
! Dy_BGR !
+========+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.021		Mean :	0.114907
Hinges :	0.008	0.084	Huber :	0.0439915
Whiskers:	0.0005	0.19	Hampel:	0.0773637
Fences :	-0.106	0.198		
Extremes:	0.0005	1.66	Coeff. of Variation:	2.44726

Variance : 0.0790772
St. Dev. : 0.281207
Hinge-Spread: 0.076 (Normal Consistent: 0.056338)
MedMed : 0.018 (Normal Consistent: 0.0266864)
Robust Variance (Huber): 0.00283829

	Value	Value/S.E.
Skewness:	3.98202	19.9101
Kurtosis:	15.704	39.26

Minimum Standard Score: -0.406842 Maximum Standard Score: 5.49451

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 17)

1246_7 :	1.66	1201_4 :	1.44	1233_6 :	1.38	1247_3 :	1.34
1233_8 :	1.33	711_44 :	1.25	1247_4 :	0.6	1247_6 :	0.51
1233_3 :	0.41	1245_1 :	0.36	1247_2 :	0.32	1247_7 :	0.32
716_11 :	0.3	1266_1 :	0.28	702_5 :	0.26	1247_5 :	0.2
1243_5 :	0.2						

DAS-Univariate Statistics Mon Feb 05 13:52:36 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Er_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.0155		Mean :	0.0694733
Hinges :	0.005	0.056	Huber :	0.02923
Whiskers:	0.0005	0.13	Hampel:	0.0478374
Fences :	-0.0715	0.1325		
Extremes:	0.0005	1.33	Coeff. of Variation:	2.45064

Variance : 0.0289865
St. Dev. : 0.170254
Hinge-Spread: 0.051 (Normal Consistent: 0.0378058)
MedMed : 0.0125 (Normal Consistent: 0.0185322)
Robust Variance (Huber): 0.00136775

	Value	Value/S.E.
Skewness:	4.60577	23.0288
Kurtosis:	24.3514	60.8784

Minimum Standard Score: -0.405119 Maximum Standard Score: 7.40379

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 16)

1233_8 :	1.33	1247_3 :	0.78	711_44 :	0.76	1233_6 :	0.76
1246_7 :	0.65	1201_4 :	0.6	1247_6 :	0.41	1233_3 :	0.32
1247_4 :	0.23	1266_1 :	0.19	716_11 :	0.17	1245_1 :	0.17
1247_2 :	0.16	1247_7 :	0.16	711_28 :	0.15	1233_4 :	0.14

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DAS-Univariate Statistics                                  Mon Feb 05 13:52:43 1996
-------------------------------------------------------------------------------
            GSC and complete BGR data, hardrock groundwater, JAN.96
-------------------------------------------------------------------------------
                                                File : c:\___\gwendy\gsc_bgr.das
                                    +=========+
                                    ! Eu_BGR !
                                    +=========+

       Number of values used    : 150
       Number of missing values : 222
       Name of subset(s)        : NONE

                 Boxplot Statistics                    Location Estimates
       Median  :          0.011                 Mean  :        0.03292
       Hinges  :     0.004      0.028           Huber :       0.0169522
       Whiskers:    0.0005      0.063           Hampel:       0.0211321
       Fences  :    -0.032      0.064
       Extremes:    0.0005          1           Coeff. of Variation:  3.30044

       Variance     : 0.0118049
       St. Dev.     : 0.108651
       Hinge-Spread:     0.024    (Normal Consistent: 0.017791)
       MedMed       :     0.008   (Normal Consistent: 0.0118606)
       Robust Variance (Huber): 0.000634463

                   Value          Value/S.E.
       Skewness:    7.4285          37.1425
       Kurtosis:   58.3529          145.882

     Minimum Standard Score: -0.298388    Maximum Standard Score:  8.90083

-------------------------------------------------------------------------------

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 10)
1201_4 :        1 ! 1246_7 :     0.83 ! 1247_3 :     0.27 ! 711_44 :     0.19 !
1233_6 :     0.16 ! 716_11 :     0.12 ! 1247_4 :    0.081 ! 1233_8 :    0.076 !
716_99 :    0.071 ! 716_91 :    0.068 !
```

DAS-Univariate Statistics Mon Feb 05 13:53:22 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

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! F !
+===+

Number of values used : 371
Number of missing values : 1
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.33		Mean :	0.776658
Hinges :	0.17	0.865	Huber :	0.473889
Whiskers:	0.03	1.9	Hampel:	0.66372
Fences :	-0.8725	1.9075		
Extremes:	0.03	9.18	Coeff. of Variation:	1.47372

Variance : 1.31006
St. Dev. : 1.14458
Hinge-Spread: 0.695 (Normal Consistent: 0.515196)
MedMed : 0.21 (Normal Consistent: 0.311342)
Robust Variance (Huber): 0.198635

	Value	Value/S.E.
Skewness:	3.26387	25.6651
Kurtosis:	14.4267	56.7218

Minimum Standard Score: -0.652342 Maximum Standard Score: 7.34186

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 47)

1201_8 :	9.18	1245_2 :	7.5	711_22 :	7.1	1246_10:	5.7				
1201_9 :	5.55	1246_2 :	5.01	716_94 :	4.25	711_31 :	4.2				
716_12 :	3.8	711_17 :	3.7	711_16 :	3.7	711_13 :	3.6				
711_19 :	3.2	716_122:	3.14	1246_9 :	3.11	1247_6 :	3.1				
711_37 :	3.1	1246_3 :	3.02	711_38 :	3	711_36 :	3				
711_43 :	3	1201_11:	2.93	711_32 :	2.8	711_11 :	2.6				
711_5 :	2.6	716_11 :	2.5	1246_11:	2.41	711_35 :	2.4				
711_12 :	2.4	711_29 :	2.4	711_26 :	2.4	711_9 :	2.4				
711_25 :	2.3	711_10 :	2.3	711_3 :	2.3	1233_10:	2.27				
1266_5 :	2.25	1245_1 :	2.22	711_41 :	2.2	711_23 :	2.2				
711_40 :	2.2	1245_3 :	2.17	711_1 :	2.1	711_30 :	2.1				
1233_4 :	2.04	711_14 :	2	1246_4 :	1.92						

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DAS-Univariate Statistics                                  Mon Feb 05 13:53:26 1996
-------------------------------------------------------------------------------
            GSC and complete BGR data, hardrock groundwater, JAN.96
-------------------------------------------------------------------------------
                                              File : c:\___\gwendy\gsc_bgr.das
                              +======================+
                              ! Fe ppb, (ICPMS) - 5  !
                              +======================+

       Number of values used    : 150
       Number of missing values : 222
       Name of subset(s)        : NONE

                 Boxplot Statistics                    Location Estimates
       Median  :            25                Mean  :        179.313
       Hinges  :         9        88          Huber :        41.2597
       Whiskers:         3       188          Hampel:        110.134
       Fences  :    -109.5     206.5
       Extremes:         3      5323          Coeff. of Variation:  3.39876

       Variance    :   371421
       St. Dev.    :  609.443
       Hinge-Spread:       79   (Normal Consistent:  58.5619)
       MedMed      :       19   (Normal Consistent:   28.169)
       Robust Variance (Huber):  2142.28

                   Value         Value/S.E.
       Skewness:  6.28494          31.4247
       Kurtosis:  44.3172          110.793

     Minimum Standard Score: -0.289302    Maximum Standard Score:  8.43997

-------------------------------------------------------------------------------

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 20)
1247_3 :    5323 ! 1201_4 :    4190 ! 1233_6 :    2084 ! 702_5  :    1529 !
1246_6 :    1345 ! 1266_1 :    1249 ! 702_83 :     933 ! 711_44 :     816 !
1247_4 :     749 ! 716_11 :     674 ! 1266_2 :     501 ! 1247_2 :     466 !
1201_3 :     433 ! 1247_7 :     399 ! 1247_10:     370 ! 1266_7 :     346 !
716_197:     267 ! 1233_8 :     250 ! 1246_4 :     218 ! 711_2  :     207 !
```

DAS-Univariate Statistics Mon Feb 05 13:53:30 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Ga_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.0275		Mean :	0.0794267
Hinges :	0.013	0.057	Huber :	0.0376711
Whiskers:	0.004	0.11	Hampel:	0.0561416
Fences :	-0.053	0.123		
Extremes:	0.004	3.06	Coeff. of Variation:	3.3354

Variance : 0.0701824
St. Dev. : 0.26492
Hinge-Spread: 0.044 (Normal Consistent: 0.0326168)
MedMed : 0.0185 (Normal Consistent: 0.0274277)
Robust Variance (Huber): 0.00131373

	Value	Value/S.E.
Skewness:	9.75041	48.752
Kurtosis:	104.601	261.502

Minimum Standard Score: -0.284715 Maximum Standard Score: 11.2509

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 20)

1201_4 :	3.06	1233_6 :	0.94	716_278:	0.44	1246_10:	0.32
1246_7 :	0.31	1246_3 :	0.26	716_11 :	0.23	1247_6 :	0.22
1246_2 :	0.22	711_22 :	0.22	1247_4 :	0.21	1246_11:	0.21
1245_2 :	0.2	1247_2 :	0.19	1247_3 :	0.17	716_61 :	0.16
711_44 :	0.16	716_99 :	0.14	716_197:	0.14	1247_7 :	0.14

DAS-Univariate Statistics Mon Feb 05 13:53:39 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Gd_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.029		Mean :	0.16083
Hinges :	0.009	0.1	Huber :	0.0538104
Whiskers:	0.0005	0.23	Hampel:	0.102416
Fences :	-0.1275	0.2365		
Extremes:	0.0005	3.9	Coeff. of Variation:	3.02801

Variance : 0.237164
St. Dev. : 0.486995
Hinge-Spread: 0.091 (Normal Consistent: 0.0674574)
MedMed : 0.024 (Normal Consistent: 0.0355819)
Robust Variance (Huber): 0.00439721

	Value	Value/S.E.
Skewness:	5.78883	28.9442
Kurtosis:	37.0371	92.5927

Minimum Standard Score: -0.329223 Maximum Standard Score: 7.67805

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 21)

1201_4 :	3.9	1246_7 :	3.52	1233_6 :	1.77	1247_3 :	1.67
711_44 :	1.42	1247_4 :	0.9	1233_8 :	0.84	1247_2 :	0.44
1247_7 :	0.44	1245_1 :	0.4	716_11 :	0.37	1243_5 :	0.34
702_5 :	0.33	716_99 :	0.32	1266_7 :	0.31	1266_1 :	0.31
1247_6 :	0.29	1233_3 :	0.28	1246_4 :	0.27	1246_11:	0.27
1247_10:	0.24						

DAS-Univariate Statistics Mon Feb 05 13:53:33 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+=========+
! Ge_BGR !
+=========+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.018		Mean :	0.05436
Hinges :	0.012	0.037	Huber :	0.0248679
Whiskers:	0.001	0.074	Hampel:	0.0411624
Fences :	-0.0255	0.0745		
Extremes:	0.001	1.14	Coeff. of Variation:	2.26502

Variance : 0.0151602
St. Dev. : 0.123127
Hinge-Spread: 0.025 (Normal Consistent: 0.0185322)
MedMed : 0.0085 (Normal Consistent: 0.0126019)
Robust Variance (Huber): 0.000482728

	Value	Value/S.E.
Skewness:	5.66047	28.3023
Kurtosis:	40.8821	102.205

Minimum Standard Score: -0.433375 Maximum Standard Score: 8.81726

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 19)

1246_4 :	1.14	1245_1 :	0.55	1247_7 :	0.5	1201_4 :	0.32
1247_1 :	0.31	1246_10:	0.31	1246_9 :	0.29	1266_8 :	0.27
1247_8 :	0.26	1245_2 :	0.24	1266_5 :	0.23	1247_6 :	0.22
1201_8 :	0.16	1247_2 :	0.11	716_122:	0.11	716_12 :	0.11
1233_10:	0.093	1233_6 :	0.092	1247_4 :	0.08		

DAS-Univariate Statistics Mon Feb 05 13:53:36 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Hf_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.01		Mean :	0.0257267
Hinges :	0.002	0.023	Huber :	0.0148417
Whiskers:	0.001	0.051	Hampel:	0.0210089
Fences :	-0.0295	0.0545		
Extremes:	0.001	0.75	Coeff. of Variation:	2.5777

Variance : 0.00439776
St. Dev. : 0.0663156
Hinge-Spread: 0.021 (Normal Consistent: 0.0155671)
MedMed : 0.009 (Normal Consistent: 0.0133432)
Robust Variance (Huber): 0.000395522

	Value	Value/S.E.
Skewness:	8.82305	44.1153
Kurtosis:	92.0669	230.167

Minimum Standard Score: -0.372864 Maximum Standard Score: 10.9216

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 20)

1201_4 :	0.75	1247_8 :	0.13	716_11 :	0.13	716_94 :	0.12
1201_8 :	0.12	711_22 :	0.11	1246_5 :	0.11	1233_10:	0.095
1201_5 :	0.095	1247_4 :	0.081	711_13 :	0.08	716_69 :	0.076
716_70 :	0.076	702_83 :	0.074	716_292:	0.073	716_126:	0.071
716_12 :	0.068	711_44 :	0.066	711_19 :	0.065	702_2 :	0.057

DAS-Univariate Statistics Mon Feb 05 13:54:39 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Hg_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.034		Mean :	0.0637767
Hinges :	0.012	0.072	Huber :	0.0425857
Whiskers:	0.0025	0.15	Hampel:	0.0525394
Fences :	-0.078	0.162		
Extremes:	0.0025	1.16	Coeff. of Variation:	1.81596

Variance : 0.0134133
St. Dev. : 0.115816
Hinge-Spread: 0.06 (Normal Consistent: 0.0444774)
MedMed : 0.0265 (Normal Consistent: 0.0392884)
Robust Variance (Huber): 0.00167828

	Value	Value/S.E.
Skewness:	6.25557	31.2779
Kurtosis:	52.1104	130.276

Minimum Standard Score: -0.529087 Maximum Standard Score: 9.46522

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 11)

1201_8 :	1.16	1245_1 :	0.39	1201_9 :	0.38	1245_2 :	0.38
1201_5 :	0.34	1245_3 :	0.28	716_12 :	0.24	711_22 :	0.24
711_43 :	0.22	1243_6 :	0.2	1247_6 :	0.19		

DAS-Univariate Statistics Mon Feb 05 13:54:49 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Ho_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.0045		Mean :	0.0233567
Hinges :	0.002	0.018	Huber :	0.0115984
Whiskers:	0.0005	0.04	Hampel:	0.0158826
Fences :	-0.022	0.042		
Extremes:	0.0005	0.36	Coeff. of Variation:	2.41453

Variance : 0.00318044
St. Dev. : 0.0563954
Hinge-Spread: 0.016 (Normal Consistent: 0.0118606)
MedMed : 0.0035 (Normal Consistent: 0.00518903)
Robust Variance (Huber): 0.000427116

	Value	Value/S.E.
Skewness:	4.05519	20.276
Kurtosis:	16.7613	41.9032

Minimum Standard Score: -0.405293 Maximum Standard Score: 5.96934

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 16)

1233_8 :	0.36	1246_7 :	0.29	1247_3 :	0.27	711_44 :	0.27
1233_6 :	0.25	1201_4 :	0.23	1247_6 :	0.13	1247_4 :	0.1
1233_3 :	0.097	1266_1 :	0.066	716_11 :	0.064	1245_1 :	0.06
1247_7 :	0.058	1247_2 :	0.055	711_28 :	0.045	702_5 :	0.043

DAS-Univariate Statistics Mon Feb 05 13:54:46 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+=========+
! In_BGR !
+=========+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.0005		Mean :	0.000823333
Hinges :	0.0005	0.0005	Huber :	0.000582587
Whiskers:	0.0005	0.0005	Hampel:	0.000620778
Fences :	0.0005	0.0005		
Extremes:	0.0005	0.02	Coeff. of Variation:	2.13075

Variance : 3.07764e-006
St. Dev. : 0.00175432
Hinge-Spread: 0 (Normal Consistent: 0)
MedMed : 0 (Normal Consistent: 0)
Robust Variance (Huber): 4.28996e-007

	Value	Value/S.E.
Skewness:	9.26099	46.3049
Kurtosis:	94.2747	235.687

Minimum Standard Score: -0.184307 Maximum Standard Score: 10.9311

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 25)

1201_4 :	0.02	716_12 :	0.008	716_278:	0.005	1233_6 :	0.002
1245_1 :	0.002	716_28 :	0.002	716_125:	0.002	711_22 :	0.002
711_42 :	0.002	716_69 :	0.001	711_19 :	0.001	716_61 :	0.001
711_27 :	0.001	716_38 :	0.001	702_80 :	0.001	716_300:	0.001
716_99 :	0.001	711_2 :	0.001	716_137:	0.001	702_5 :	0.001
716_11 :	0.001	716_22 :	0.001	711_44 :	0.001	711_31 :	0.001
1247_2 :	0.001						

DAS-Univariate Statistics Mon Feb 05 13:54:43 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

I_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	2.025		Mean :	5.787
Hinges :	1.33	3.83	Huber :	2.6176
Whiskers:	0.31	7.35	Hampel:	3.77894
Fences :	-2.42	7.58		
Extremes:	0.31	300	Coeff. of Variation:	4.29969

Variance : 619.129
St. Dev. : 24.8823
Hinge-Spread: 2.5 (Normal Consistent: 1.85322)
MedMed : 0.955 (Normal Consistent: 1.41586)
Robust Variance (Huber): 3.51816

	Value	Value/S.E.
Skewness:	11.0713	55.3567
Kurtosis:	127.395	318.486

Minimum Standard Score: -0.220116 Maximum Standard Score: 11.8242

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 12)

716_122:	300	716_177:	48.5	716_125:	36.4	716_255:	29.3
1247_3 :	16.4	702_39 :	16.1	716_94 :	16.1	1246_9 :	15.2
1246_8 :	11.5	716_249:	11.3	716_143:	9.6	716_221:	8.15

DAS-Univariate Statistics Mon Feb 05 13:54:36 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

K ppm, (AAS) - 0.1

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	2.175		Mean :	2.97427
Hinges :	1.1	3.56	Huber :	2.35866
Whiskers:	0.05	6.63	Hampel:	2.62475
Fences :	-2.59	7.25		
Extremes:	0.05	24.27	Coeff. of Variation:	1.12807

Variance : 11.2573
St. Dev. : 3.35519
Hinge-Spread: 2.46 (Normal Consistent: 1.82357)
MedMed : 1.13 (Normal Consistent: 1.67532)
Robust Variance (Huber): 2.58708

	Value	Value/S.E.
Skewness:	3.94228	19.7114
Kurtosis:	20.1001	50.2503

Minimum Standard Score: -0.871565 Maximum Standard Score: 6.3471

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 10)

716_171:	24.27	716_40 :	24.1	716_8 :	14.5	716_26 :	11.89
1201_4 :	10.32	716_122:	10.21	716_255:	8.38	716_28 :	8.36
1201_3 :	7.85	1247_8 :	7.75				

DAS-Univariate Statistics Mon Feb 05 13:54:33 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

La ppb, (ICPMS) - 0.01

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.145		Mean :	1.56305
Hinges :	0.039	0.565	Huber :	0.270711
Whiskers:	0.005	1.201	Hampel:	0.698218
Fences :	-0.75	1.354		
Extremes:	0.005	112.479	Coeff. of Variation:	6.13937

Variance : 92.0854
St. Dev. : 9.59612
Hinge-Spread: 0.526 (Normal Consistent: 0.389918)
MedMed : 0.1235 (Normal Consistent: 0.183099)
Robust Variance (Huber): 0.10763

	Value	Value/S.E.
Skewness:	10.5536	52.7682
Kurtosis:	116.858	292.145

Minimum Standard Score: -0.162362 Maximum Standard Score: 11.5584

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 20)

1201_4 :	112.479	1246_7 :	33.966	1233_6 :	8.74	1247_3 :	7.005
1247_4 :	5.759	711_44 :	5.355	1247_2 :	3.669	1247_7 :	3.274
1266_7 :	2.712	1243_5 :	2.699	1245_1 :	2.55	1246_4 :	2.519
716_11 :	2.201	1233_8 :	2.109	1247_10:	1.974	716_278:	1.765
702_76 :	1.488	716_61 :	1.459	716_99 :	1.439	1246_11:	1.391

```
DAS-Univariate Statistics                                  Mon Feb 05 13:55:32 1996
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            GSC and complete BGR data, hardrock groundwater, JAN.96
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                                              File : c:\___\gwendy\gsc_bgr.das
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                          ! Li ppb, (ICPMS) - 0.005 !
                          +=========================+

       Number of values used    : 150
       Number of missing values : 222
       Name of subset(s)        : NONE

                 Boxplot Statistics                    Location Estimates
       Median  :        3.6165                Mean  :        5.37983
       Hinges  :    1.347     7.603           Huber :        4.32976
       Whiskers:    0.187    16.431           Hampel:        4.85662
       Fences  :   -8.037    16.987
       Extremes:    0.187    59.641           Coeff. of Variation:  1.21567

       Variance    :  42.7727
       St. Dev.    :  6.54008
       Hinge-Spread:    6.256   (Normal Consistent:  4.63751)
       MedMed      :    2.477   (Normal Consistent:  3.67235)
       Robust Variance (Huber):  14.5247

                    Value         Value/S.E.
       Skewness:  4.33006          21.6503
       Kurtosis:  30.0323          75.0807

     Minimum Standard Score: -0.794001    Maximum Standard Score:  8.29671

------------------------------------------------------------------------------

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 5)
1246_4 :  59.641 ! 711_43 :   24.62 ! 1246_9 :  21.513 ! 1233_10:  20.792 !
1233_4 :  18.366 !
```

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DAS-Univariate Statistics                                Mon Feb 05 13:55:49 1996
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            GSC and complete BGR data, hardrock groundwater, JAN.96
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                                                File : c:\___\gwendy\gsc_bgr.das
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                                      ! Lu_BGR !
                                      +=========+

       Number of values used    : 150
       Number of missing values : 222
       Name of subset(s)        : NONE

                 Boxplot Statistics                    Location Estimates
       Median  :          0.003                Mean  :        0.01206
       Hinges  :     0.001      0.009          Huber :       0.00622453
       Whiskers:    0.0005       0.02          Hampel:       0.00871146
       Fences  :    -0.011      0.021
       Extremes:    0.0005       0.38          Coeff. of Variation:  2.95454

       Variance     : 0.00126962
       St. Dev.     : 0.0356318
       Hinge-Spread:     0.008   (Normal Consistent: 0.00593032)
       MedMed       :     0.002   (Normal Consistent: 0.00296516)
       Robust Variance (Huber): 0.000128102

                    Value         Value/S.E.
       Skewness:   7.85798          39.2899
       Kurtosis:   74.2547          185.637

     Minimum Standard Score: -0.324429    Maximum Standard Score:  10.3262

-------------------------------------------------------------------------------

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 18)
1233_8 :     0.38 ! 1247_3 :     0.13 ! 1233_6 :     0.11 ! 711_44 :    0.088 !
1201_4 :    0.081 ! 1233_3 :    0.052 ! 1246_7 :    0.051 ! 1247_6 :    0.049 !
711_28 :    0.041 ! 711_22 :    0.041 ! 711_19 :     0.04 ! 1233_4 :    0.032 !
1233_7 :    0.032 ! 716_11 :    0.032 ! 1266_1 :    0.028 ! 1247_7 :    0.024 !
1247_2 :    0.023 ! 1233_5 :    0.023 !
```

DAS-Univariate Statistics Mon Feb 05 13:55:46 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+======================+
! Mg ppm, (AAS) - 0.1 !
+======================+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	4.25		Mean :	6.75667
Hinges :	2.2	8.6	Huber :	5.48611
Whiskers:	0.1	18	Hampel:	6.26362
Fences :	-7.4	18.2		
Extremes:	0.1	33	Coeff. of Variation:	0.977417

Variance : 43.6139
St. Dev. : 6.60408
Hinge-Spread: 6.4 (Normal Consistent: 4.74426)
MedMed : 2.65 (Normal Consistent: 3.92884)
Robust Variance (Huber): 21.9923

	Value	Value/S.E.
Skewness:	1.59342	7.96708
Kurtosis:	2.41359	6.03399

Minimum Standard Score: -1.00796 Maximum Standard Score: 3.97381

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 11)

716_255:	33	! 716_249:	32.5	! 702_39 :	26.8	! 716_125:	23	!			
716_221:	22	! 702_7 :	20.5	! 716_131:	20.3	! 702_37 :	19.8	!			
716_317:	19.3	! 1266_9 :	19	! 716_143:	18.8	!					

DAS-Univariate Statistics Mon Feb 05 13:55:36 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

! Mn ppb, (ICPMS) - 0.1 !

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	7.5		Mean :	64.456
Hinges :	1.5	40.8	Huber :	18.352
Whiskers:	0.1	92.5	Hampel:	38.3297
Fences :	-57.45	99.75		
Extremes:	0.1	2975	Coeff. of Variation:	4.18403

Variance : 72730.3
St. Dev. : 269.686
Hinge-Spread: 39.3 (Normal Consistent: 29.1327)
MedMed : 6.95 (Normal Consistent: 10.3039)
Robust Variance (Huber): 567.193

	Value	Value/S.E.
Skewness:	8.96364	44.8182
Kurtosis:	89.6518	224.129

Minimum Standard Score: -0.238633 Maximum Standard Score: 10.7924

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 15)

716_278:	2975	!	1201_10:	1179.5	!	1246_6 :	726.3	!	1266_1 :	339.9	!
1201_4 :	301.8	!	716_125:	259.9	!	711_13 :	241.1	!	1247_3 :	229.6	!
702_5 :	220.5	!	716_122:	217.5	!	1201_3 :	170.1	!	716_40 :	157.4	!
716_70 :	156.5	!	716_137:	113.3	!	1266_7 :	103.1	!			

DAS-Univariate Statistics Mon Feb 05 13:55:39 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========================+
! Mo ppb, (ICPMS) - 0.05 !
+========================+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	1.63		Mean :	8.7386
Hinges :	0.49	6.05	Huber :	2.91075
Whiskers:	0.03	13.99	Hampel:	5.71813
Fences :	-7.85	14.39		
Extremes:	0.03	289.38	Coeff. of Variation:	3.21528

Variance : 789.446
St. Dev. : 28.0971
Hinge-Spread: 5.56 (Normal Consistent: 4.12157)
MedMed : 1.44 (Normal Consistent: 2.13491)
Robust Variance (Huber): 11.5443

	Value	Value/S.E.
Skewness:	7.38717	36.9359
Kurtosis:	65.6062	164.015

Minimum Standard Score: -0.309947 Maximum Standard Score: 9.98827

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 18)

711_22 :	289.38	711_13 :	98.54	711_27 :	95.88	711_43 :	95.25
716_94 :	82	702_37 :	40.02	711_31 :	39.39	716_122:	32.68
1201_8 :	30.94	711_19 :	26.23	1201_9 :	22.06	702_80 :	21.66
702_2 :	18.6	711_28 :	17.08	1266_3 :	16.35	1233_3 :	15.82
1233_10:	15.69	702_84 :	15.02				

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DAS-Univariate Statistics                              Mon Feb 05 13:55:42 1996
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            GSC and complete BGR data, hardrock groundwater, JAN.96
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                                                  File : c:\___\gwendy\gsc_bgr.das
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                           ! Na ppm, (AAS) - 0.1 !
                           +======================+

       Number of values used    : 150
       Number of missing values : 222
       Name of subset(s)        : NONE

                 Boxplot Statistics                      Location Estimates
       Median  :           17.3                 Mean   :       41.8567
       Hinges  :       6.9        55            Huber  :       28.0071
       Whiskers:       1.2       126            Hampel:        35.2613
       Fences  :   -65.25    127.15
       Extremes:       1.2       508            Coeff. of Variation:  1.56647

       Variance     :  4299.06
       St. Dev.     :  65.5672
       Hinge-Spread:      48.1   (Normal Consistent:   35.656)
       MedMed       :     12.35  (Normal Consistent:  18.3099)
       Robust Variance (Huber):  846.176

                    Value          Value/S.E.
       Skewness:  3.82755           19.1377
       Kurtosis:  19.6138           49.0346

     Minimum Standard Score: -0.620076    Maximum Standard Score:   7.1094

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Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 10)
716_122:      508 ! 1246_4 :     357 ! 1246_9 :      257 ! 1266_9 :     237 !
716_177:      222 ! 1245_1 :   160.5 ! 1245_2 :    147.5 ! 1246_10:   145.5 !
716_94 :      144 ! 1201_4 :     128 !
```

DAS-Univariate Statistics Mon Feb 05 13:56:33 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Nb_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.008		Mean :	0.0388333
Hinges :	0.002	0.021	Huber :	0.0161895
Whiskers:	0.001	0.045	Hampel:	0.0238049
Fences :	-0.0265	0.0495		
Extremes:	0.001	1.75	Coeff. of Variation:	4.03461

Variance : 0.0245478
St. Dev. : 0.156677
Hinge-Spread: 0.019 (Normal Consistent: 0.0140845)
MedMed : 0.006 (Normal Consistent: 0.00889548)
Robust Variance (Huber): 0.00117606

	Value	Value/S.E.
Skewness:	9.1239	45.6195
Kurtosis:	93.2201	233.05

Minimum Standard Score: -0.241473 Maximum Standard Score: 10.9216

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 19)

1201_4 :	1.75	711_22 :	0.57	1233_6 :	0.49	711_19 :	0.21
1247_2 :	0.21	716_11 :	0.17	711_28 :	0.15	716_61 :	0.13
716_99 :	0.11	716_197:	0.11	716_278:	0.1	716_190:	0.098
716_137:	0.081	1201_11:	0.074	711_44 :	0.068	716_69 :	0.06
702_5 :	0.059	716_122:	0.057	716_26 :	0.052		

DAS-Univariate Statistics Mon Feb 05 13:56:29 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Nd ppb, (ICPMS) - 0.005

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.15535		Mean :	1.10103
Hinges :	0.0405	0.6218	Huber :	0.292106
Whiskers:	0.0025	1.4696	Hampel:	0.643254
Fences :	-0.83145	1.49375		
Extremes:	0.0025	49.082	Coeff. of Variation:	4.17809

Variance : 21.1617
St. Dev. : 4.60019
Hinge-Spread: 0.5813 (Normal Consistent: 0.430912)
MedMed : 0.13025 (Normal Consistent: 0.193106)
Robust Variance (Huber): 0.129446

	Value	Value/S.E.
Skewness:	8.5324	42.662
Kurtosis:	80.5806	201.451

Minimum Standard Score: -0.2388 Maximum Standard Score: 10.4302

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 19)

1201_4 :	49.082	1246_7 :	24.6012	1233_6 :	9.1086	1247_3 :	9.036
711_44 :	6.5012	1247_4 :	5.1477	1247_2 :	2.9987	1247_7 :	2.9468
1233_8 :	2.3733	1245_1 :	2.3412	1266_7 :	2.309	716_99 :	2.1861
716_11 :	2.1563	1243_5 :	2.1242	1246_4 :	2.1172	716_334:	1.6748
1247_10:	1.6691	716_91 :	1.6196	716_278:	1.6129		

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DAS-Univariate Statistics                                Mon Feb 05 13:56:36 1996
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            GSC and complete BGR data, hardrock groundwater, JAN.96
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                                                File : c:\___\gwendy\gsc_bgr.das
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                                      ! Ni_BGR !
                                      +=========+

       Number of values used    : 150
       Number of missing values : 222
       Name of subset(s)        : NONE

                 Boxplot Statistics                    Location Estimates
       Median  :          0.74                Mean  :       1.03114
       Hinges  :     0.34      1.15           Huber :      0.780443
       Whiskers:    0.001       2.3           Hampel:      0.901505
       Fences  :   -0.875     2.365
       Extremes:    0.001      14.3           Coeff. of Variation:  1.37491

       Variance    :  2.00993
       St. Dev.    :  1.41772
       Hinge-Spread:     0.81   (Normal Consistent: 0.600445)
       MedMed      :     0.41   (Normal Consistent: 0.607858)
       Robust Variance (Huber): 0.327273

                   Value         Value/S.E.
       Skewness:  6.01729          30.0864
       Kurtosis:  49.7162           124.29

     Minimum Standard Score: -0.726617    Maximum Standard Score:  9.35929

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Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 11)
1201_4 :    14.3 ! 716_278:    5.64 ! 1233_6 :    4.85 ! 716_146:    3.96 !
702_5  :    3.84 ! 1233_2 :    3.83 ! 1201_9 :    3.08 ! 716_143:    2.95 !
716_26 :    2.89 ! 1247_10:     2.7 ! 1201_1 :    2.54 !
```

DAS-Univariate Statistics Thu Feb 08 13:24:24 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

PO4_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	16.45		Mean :	132.44
Hinges :	0.5	53.1	Huber :	27.0473
Whiskers:	0.5	129	Hampel:	84.0654
Fences :	-78.4	132		
Extremes:	0.5	2270	Coeff. of Variation:	2.73639

Variance : 131338
St. Dev. : 362.406
Hinge-Spread: 52.6 (Normal Consistent: 38.9918)
MedMed : 15.95 (Normal Consistent: 23.6471)
Robust Variance (Huber): 1145.79

	Value	Value/S.E.
Skewness:	3.92177	19.6088
Kurtosis:	15.7993	39.4983

Minimum Standard Score: -0.364066 Maximum Standard Score: 5.89824

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 25)

716_26 :	2270	716_105:	1900	716_8 :	1730	716_207:	1720
716_28 :	1350	716_171:	1310	716_122:	978	1233_6 :	885
716_3 :	697	1246_4 :	525	1245_1 :	450	716_61 :	423
716_278:	415	1201_4 :	409	716_292:	366	1233_5 :	332
716_137:	296	1247_7 :	280	711_28 :	184	716_70 :	180
1245_2 :	175	1266_7 :	174	1247_4 :	162	716_91 :	141
716_125:	133						

DAS-Univariate Statistics Mon Feb 05 13:56:43 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Pb_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.3		Mean :	1.11963
Hinges :	0.16	0.64	Huber :	0.395344
Whiskers:	0.033	1.23	Hampel:	0.708268
Fences :	-0.56	1.36		
Extremes:	0.033	44.4	Coeff. of Variation:	3.71099

Variance : 17.2634
St. Dev. : 4.15492
Hinge-Spread: 0.48 (Normal Consistent: 0.355819)
MedMed : 0.175 (Normal Consistent: 0.259451)
Robust Variance (Huber): 0.111422

	Value	Value/S.E.
Skewness:	8.51357	42.5679
Kurtosis:	80.2833	200.708

Minimum Standard Score: -0.261528 Maximum Standard Score: 10.4166

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 17)

1201_4 :	44.4	716_278:	22.5	1233_8 :	8.85	702_5 :	6.15
1233_6 :	5.79	711_44 :	5.5	702_32 :	3.85	716_137:	3.59
716_99 :	3.36	716_317:	2.72	1247_3 :	2.5	1201_10:	2.49
711_13 :	2.23	1247_10:	1.74	716_91 :	1.73	716_146:	1.67
711_22 :	1.65						

```
DAS-Univariate Statistics                                  Mon Feb 05 13:56:46 1996
-------------------------------------------------------------------------------
          GSC and complete BGR data, hardrock groundwater, JAN.96
-------------------------------------------------------------------------------
                                                File : c:\___\gwendy\gsc_bgr.das
                                    +=========+
                                    ! Pr_BGR !
                                    +=========+

      Number of values used    : 150
      Number of missing values : 222
      Name of subset(s)        : NONE

               Boxplot Statistics                    Location Estimates
      Median  :        0.0395                Mean  :       0.30083
      Hinges  :     0.01       0.15          Huber :     0.0774723
      Whiskers:   0.0005       0.35          Hampel:      0.173751
      Fences  :     -0.2       0.36
      Extremes:   0.0005       14.3          Coeff. of Variation:  4.35721

      Variance    :  1.71814
      St. Dev.    :  1.31078
      Hinge-Spread:     0.14   (Normal Consistent: 0.103781)
      MedMed      :   0.0335   (Normal Consistent: 0.0496664)
      Robust Variance (Huber): 0.00939485

                  Value          Value/S.E.
      Skewness:  8.86622           44.3311
      Kurtosis:  86.9662           217.415

    Minimum Standard Score: -0.229123    Maximum Standard Score:    10.68

-------------------------------------------------------------------------------

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 21)
1201_4 :    14.3 ! 1246_7 :    6.38 ! 1233_6 :    2.87 ! 1247_3 :    2.18 !
711_44 :    1.89 ! 1247_4 :    1.36 ! 1247_2 :    0.81 ! 1247_7 :    0.78 !
1266_7 :    0.63 ! 1245_1 :    0.61 ! 1246_4 :    0.59 ! 1233_8 :    0.57 !
716_11 :    0.57 ! 716_99 :    0.55 ! 1243_5 :    0.48 ! 1247_10:    0.46 !
716_278:    0.45 ! 716_61 :    0.42 ! 716_334:    0.41 ! 716_91 :     0.4 !
702_5  :    0.38 !
```

```
DAS-Univariate Statistics                                  Mon Feb 05 13:57:35 1996
-------------------------------------------------------------------------------
            GSC and complete BGR data, hardrock groundwater, JAN.96
-------------------------------------------------------------------------------
                                                File : c:\___\gwendy\gsc_bgr.das
                              +========================+
                              ! Rb ppb, (ICPMS) - 0.05 !
                              +========================+

       Number of values used    : 150
       Number of missing values : 222
       Name of subset(s)        : NONE

                 Boxplot Statistics                    Location Estimates
       Median  :          2.255                Mean  :         2.8726
       Hinges  :      1.19       3.59          Huber :        2.45277
       Whiskers:      0.14       6.99          Hampel:        2.65327
       Fences  :     -2.41       7.19
       Extremes:      0.14       17.1          Coeff. of Variation: 0.860544

       Variance    :  6.11077
       St. Dev.    :   2.472
       Hinge-Spread:     2.4   (Normal Consistent:   1.7791)
       MedMed      :    1.19   (Normal Consistent:  1.76427)
       Robust Variance (Huber):  2.84054

                   Value         Value/S.E.
       Skewness:  2.30571          11.5285
       Kurtosis:  7.74879           19.372

     Minimum Standard Score: -1.10542    Maximum Standard Score:  5.75543

-------------------------------------------------------------------------------

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 9)
716_171:     17.1 ! 1233_6 :    11.77 ! 716_40 :    10.51 ! 1201_4 :    10.09 !
1233_4 :     9.38 ! 1233_3 :     8.98 ! 716_26 :      7.7 ! 1233_5 :     7.29 !
1246_4 :     7.29 !
```

DAS-Univariate Statistics Mon Feb 05 13:57:31 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Rn

Number of values used : 321
Number of missing values : 51
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	200		Mean :	416.931
Hinges :	110	300	Huber :	217.563
Whiskers:	10	580	Hampel:	330.869
Fences :	-175	585		
Extremes:	10	6840	Coeff. of Variation:	1.79772

Variance : 561790
St. Dev. : 749.527
Hinge-Spread: 190 (Normal Consistent: 140.845)
MedMed : 90 (Normal Consistent: 133.432)
Robust Variance (Huber): 25255.8

	Value	Value/S.E.
Skewness:	4.48498	32.8048
Kurtosis:	25.6612	93.8476

Minimum Standard Score: -0.542918 Maximum Standard Score: 8.5695

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 49)

711_19 :	6840	711_27 :	5330	1246_8 :	3880	711_4 :	3670
711_23 :	3300	711_28 :	3250	711_17 :	3170	711_12 :	3130
711_21 :	2980	711_26 :	2460	711_11 :	2300	711_33 :	2150
711_8 :	1930	711_35 :	1920	711_30 :	1870	711_31 :	1820
1201_11:	1720	711_13 :	1710	711_5 :	1550	711_22 :	1510
1233_7 :	1460	711_36 :	1450	711_32 :	1410	711_10 :	1360
711_34 :	1330	711_14 :	1300	711_24 :	1070	1247_2 :	1020
711_18 :	1000	711_40 :	1000	711_38 :	980	711_16 :	960
711_1 :	910	711_2 :	910	711_25 :	900	1201_1 :	880
711_44 :	870	711_29 :	860	711_37 :	850	711_43 :	800
1201_9 :	800	1201_5 :	760	1233_8 :	750	711_6 :	740
1233_4 :	730	711_39 :	640	1245_1 :	610	1247_6 :	610
711_9 :	600						

DAS-Univariate Statistics Mon Feb 05 13:57:38 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+=========+
! Sb_BGR !
+=========+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.032		Mean :	0.0725
Hinges :	0.02	0.072	Huber :	0.046401
Whiskers:	0.002	0.14	Hampel:	0.0593707
Fences :	-0.058	0.15		
Extremes:	0.002	0.81	Coeff. of Variation:	1.54778

Variance : 0.012592
St. Dev. : 0.112214
Hinge-Spread: 0.052 (Normal Consistent: 0.0385471)
MedMed : 0.018 (Normal Consistent: 0.0266864)
Robust Variance (Huber): 0.00183907

	Value	Value/S.E.
Skewness:	3.68331	18.4165
Kurtosis:	16.4298	41.0744

Minimum Standard Score: -0.628262 Maximum Standard Score: 6.57225

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 17)

702_2 :	0.81	711_22 :	0.63	711_19 :	0.45	716_278:	0.43
702_32 :	0.41	716_207:	0.36	716_26 :	0.36	1201_5 :	0.29
702_5 :	0.26	716_105:	0.24	716_28 :	0.22	1201_4 :	0.2
711_44 :	0.19	716_8 :	0.19	711_28 :	0.18	716_3 :	0.16
711_42 :	0.15						

```
DAS-Univariate Statistics                                  Mon Feb 05 13:57:41 1996
-------------------------------------------------------------------------------
          GSC and complete BGR data, hardrock groundwater, JAN.96
-------------------------------------------------------------------------------
                                                File : c:\___\gwendy\gsc_bgr.das
                                    +=========+
                                    ! Sc_BGR !
                                    +=========+

      Number of values used    : 150
      Number of missing values : 222
      Name of subset(s)        : NONE

                Boxplot Statistics                    Location Estimates
      Median  :           1.96                Mean  :          2.091
      Hinges  :      1.4      2.67            Huber :        2.02725
      Whiskers:     0.54      4.04            Hampel:         2.0381
      Fences  :   -0.505     4.575
      Extremes:     0.54      9.61            Coeff. of Variation: 0.478547

      Variance    :  1.00128
      St. Dev.    :  1.00064
      Hinge-Spread:     1.27   (Normal Consistent: 0.941438)
      MedMed      :    0.575   (Normal Consistent: 0.852483)
      Robust Variance (Huber): 0.726425

                  Value         Value/S.E.
      Skewness:  2.91607          14.5803
      Kurtosis:  19.1544          47.8861

    Minimum Standard Score: -1.55001    Maximum Standard Score:  7.51418

-------------------------------------------------------------------------------

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 1)
1201_4 :    9.61 !
```

DAS-Univariate Statistics Mon Feb 05 13:57:45 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Se_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.295		Mean :	0.46158
Hinges :	0.15	0.47	Huber :	0.325257
Whiskers:	0.005	0.93	Hampel:	0.384775
Fences :	-0.33	0.95		
Extremes:	0.005	4.82	Coeff. of Variation:	1.4388

Variance : 0.441055
St. Dev. : 0.66412
Hinge-Spread: 0.32 (Normal Consistent: 0.237213)
MedMed : 0.16 (Normal Consistent: 0.237213)
Robust Variance (Huber): 0.0686571

	Value	Value/S.E.
Skewness:	4.0428	20.214
Kurtosis:	19.5929	48.9822

Minimum Standard Score: -0.687496 Maximum Standard Score: 6.5627

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 14)

1266_9 :	4.82	716_122:	4.23	1246_4 :	3.01	1246_9 :	2.88
716_177:	2.25	716_327:	1.85	716_125:	1.83	716_300:	1.33
711_22 :	1.18	716_292:	1.13	716_23 :	1.12	716_190:	1.11
716_94 :	1.03	1201_4 :	1.01				

DAS-Univariate Statistics Mon Feb 05 13:57:48 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Sm_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.028		Mean :	0.185443
Hinges :	0.01	0.12	Huber :	0.0819571
Whiskers:	0.0005	0.28	Hampel:	0.113275
Fences :	-0.155	0.285		
Extremes:	0.0005	5.79	Coeff. of Variation:	3.39785

Variance : 0.397036
St. Dev. : 0.630108
Hinge-Spread: 0.11 (Normal Consistent: 0.0815419)
MedMed : 0.022 (Normal Consistent: 0.0326168)
Robust Variance (Huber): 0.0264658

	Value	Value/S.E.
Skewness:	6.7622	33.811
Kurtosis:	50.7838	126.959

Minimum Standard Score: -0.29351 Maximum Standard Score: 8.8946

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 18)

1201_4 :	5.79	1246_7 :	4.22	1233_6 :	2.01	1247_3 :	1.78
711_44 :	1.39	1247_4 :	0.95	1233_8 :	0.61	1247_7 :	0.5
1247_2 :	0.48	1245_1 :	0.46	716_99 :	0.41	716_11 :	0.4
1246_4 :	0.36	1266_7 :	0.34	1243_5 :	0.31	702_5 :	0.31
716_91 :	0.31	716_334:	0.29				

DAS-Univariate Statistics Mon Feb 05 13:58:51 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Sn_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.0025		Mean :	0.0629767
Hinges :	0.0025	0.031	Huber :	0.0159642
Whiskers:	0.0025	0.071	Hampel:	0.038443
Fences :	-0.04025	0.07375		
Extremes:	0.0025	2.33	Coeff. of Variation:	3.72822

Variance : 0.0551266
St. Dev. : 0.234791
Hinge-Spread: 0.0285 (Normal Consistent: 0.0211268)
MedMed : 0 (Normal Consistent: 0)
Robust Variance (Huber): 0.000593611

	Value	Value/S.E.
Skewness:	7.23558	36.1779
Kurtosis:	60.6675	151.669

Minimum Standard Score: -0.257577 Maximum Standard Score: 9.65551

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 20)

1266_4 :	2.33	716_26 :	1.3	716_91 :	0.7	711_28 :	0.54		
1247_3 :	0.42	716_278:	0.41	711_44 :	0.38	1201_10:	0.33		
1201_4 :	0.27	1266_10:	0.24	1233_8 :	0.23	1233_1 :	0.16		
716_122:	0.1	702_32 :	0.092	1233_9 :	0.085	716_137:	0.08		
1247_2 :	0.077	716_126:	0.076	702_37 :	0.075	702_5 :	0.074		

DAS-Univariate Statistics Mon Feb 05 13:59:06 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Sr ppb, (ICPMS) - 0.5

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	179.35		Mean :	290.79
Hinges :	71.1	419.6	Huber :	238.124
Whiskers:	0.9	930.9	Hampel:	262.605
Fences :	-451.65	942.35		
Extremes:	0.9	1870.9	Coeff. of Variation:	1.0991

Variance : 102148
St. Dev. : 319.607
Hinge-Spread: 348.5 (Normal Consistent: 258.34)
MedMed : 134.15 (Normal Consistent: 198.888)
Robust Variance (Huber): 49344.9

	Value	Value/S.E.
Skewness:	2.22494	11.1247
Kurtosis:	6.43874	16.0968

Minimum Standard Score: -0.907022 Maximum Standard Score: 4.94392

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 6)
702_7 : 1870.9 ! 716_125: 1722.6 ! 702_11 : 1513.3 ! 702_83 : 1162.7 !
716_239: 1012.3 ! 716_137: 1009.3 !

DAS-Univariate Statistics Mon Feb 05 13:58:54 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Ta_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.0005		Mean :	0.00351667
Hinges :	0.0005	0.003	Huber :	0.00215233
Whiskers:	0.0005	0.006	Hampel:	0.00258273
Fences :	-0.00325	0.00675		
Extremes:	0.0005	0.089	Coeff. of Variation:	2.44906

Variance : 7.41759e-005
St. Dev. : 0.00861254
Hinge-Spread: 0.0025 (Normal Consistent: 0.00185322)
MedMed : 0 (Normal Consistent: 0)
Robust Variance (Huber): 1.2255e-005

	Value	Value/S.E.
Skewness:	7.10892	35.5446
Kurtosis:	63.5333	158.833

Minimum Standard Score: -0.350264 Maximum Standard Score: 9.92545

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 23)

1201_4 :	0.089	711_22 :	0.036	1246_7 :	0.023	716_22 :	0.022
1246_9 :	0.018	716_69 :	0.017	716_12 :	0.017	716_28 :	0.012
1246_10:	0.011	711_19 :	0.011	1246_8 :	0.011	716_11 :	0.01
716_40 :	0.009	716_103:	0.009	1246_11:	0.008	716_94 :	0.008
1246_4 :	0.008	716_125:	0.008	1201_8 :	0.007	716_99 :	0.007
702_58 :	0.007	716_122:	0.007	711_44 :	0.007		

DAS-Univariate Statistics Mon Feb 05 13:58:57 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Tb_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.004		Mean :	0.0214933
Hinges :	0.002	0.014	Huber :	0.0101803
Whiskers:	0.0005	0.032	Hampel:	0.0139512
Fences :	-0.016	0.032		
Extremes:	0.0005	0.4	Coeff. of Variation:	2.67993

Variance : 0.00331782
St. Dev. : 0.0576005
Hinge-Spread: 0.012 (Normal Consistent: 0.00889548)
MedMed : 0.003 (Normal Consistent: 0.00444774)
Robust Variance (Huber): 0.000358677

	Value	Value/S.E.
Skewness:	4.77842	23.8921
Kurtosis:	24.6246	61.5615

Minimum Standard Score: -0.364464 Maximum Standard Score: 6.57124

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 20)

1246_7 :	0.4	!	1201_4 :	0.39	!	1233_6 :	0.24	!	1247_3 :	0.23	!
711_44 :	0.22	!	1233_8 :	0.19	!	1247_4 :	0.12	!	1245_1 :	0.063	!
1247_6 :	0.059	!	1247_7 :	0.059	!	1247_2 :	0.057	!	716_11 :	0.055	!
1233_3 :	0.051	!	1266_1 :	0.045	!	702_5 :	0.043	!	1266_7 :	0.039	!
1243_5 :	0.037	!	1246_4 :	0.037	!	716_99 :	0.035	!	1246_11:	0.035	!

DAS-Univariate Statistics Mon Feb 05 13:59:00 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Te_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.009		Mean :	0.0166
Hinges :	0.004	0.018	Huber :	0.0119602
Whiskers:	0.0005	0.038	Hampel:	0.0138529
Fences :	-0.017	0.039		
Extremes:	0.0005	0.21	Coeff. of Variation:	1.5105

Variance : 0.000628718
St. Dev. : 0.0250743
Hinge-Spread: 0.014 (Normal Consistent: 0.0103781)
MedMed : 0.006 (Normal Consistent: 0.00889548)
Robust Variance (Huber): 0.000166022

	Value	Value/S.E.
Skewness:	4.25747	21.2874
Kurtosis:	24.4783	61.1956

Minimum Standard Score: -0.642093 Maximum Standard Score: 7.71309

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 12)

716_12 :	0.21	711_22 :	0.11	716_28 :	0.1	711_42 :	0.094
716_125:	0.085	702_58 :	0.084	702_80 :	0.079	711_19 :	0.065
711_28 :	0.052	716_22 :	0.051	711_27 :	0.042	711_43 :	0.039

DAS-Univariate Statistics Mon Feb 05 13:59:03 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Th_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.013		Mean :	0.211313
Hinges :	0.005	0.04	Huber :	0.0238118
Whiskers:	0.0005	0.092	Hampel:	0.0690502
Fences :	-0.0475	0.0925		
Extremes:	0.0005	21.4	Coeff. of Variation:	8.27621

Variance : 3.05856
St. Dev. : 1.74887
Hinge-Spread: 0.035 (Normal Consistent: 0.0259451)
MedMed : 0.01 (Normal Consistent: 0.0148258)
Robust Variance (Huber): 0.000893894

	Value	Value/S.E.
Skewness:	11.8564	59.2819
Kurtosis:	140.646	351.615

Minimum Standard Score: -0.120542 Maximum Standard Score: 12.1156

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 24)

1201_4 :	21.4	1233_6 :	1.07	1247_7 :	0.71	711_19 :	0.71
1245_1 :	0.66	711_22 :	0.62	1247_2 :	0.55	716_11 :	0.44
1246_4 :	0.39	1247_4 :	0.38	1246_7 :	0.37	1246_9 :	0.32
1247_3 :	0.28	1245_2 :	0.26	1201_1 :	0.23	711_44 :	0.23
1246_2 :	0.19	1266_7 :	0.13	1247_8 :	0.13	702_5 :	0.12
1245_3 :	0.12	1266_1 :	0.11	1247_1 :	0.1	1247_10:	0.099

DAS-Univariate Statistics Mon Feb 05 13:59:47 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Ti_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.635		Mean :	5.53633
Hinges :	0.38	2	Huber :	1.05571
Whiskers:	0.14	3.65	Hampel:	2.47702
Fences :	-2.05	4.43		
Extremes:	0.14	355	Coeff. of Variation:	5.6914

Variance : 992.849
St. Dev. : 31.5095
Hinge-Spread: 1.62 (Normal Consistent: 1.20089)
MedMed : 0.355 (Normal Consistent: 0.526316)
Robust Variance (Huber): 0.992533

	Value	Value/S.E.
Skewness:	9.77917	48.8959
Kurtosis:	101.068	252.67

Minimum Standard Score: -0.171261 Maximum Standard Score: 11.0907

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 26)

1201_4 :	355	1233_6 :	153	1247_2 :	25	716_197:	24.1
716_11 :	19.8	1247_4 :	16.6	1247_10:	14.7	716_61 :	10.5
1266_7 :	10.3	1266_10:	9.22	716_99 :	7.8	1247_7 :	7.44
1247_9 :	7.12	1246_7 :	6.93	716_190:	6.54	716_137:	6.26
716_278:	6.25	702_5 :	6.25	1247_1 :	6.07	702_32 :	5.22
716_207:	5.2	1233_5 :	4.82	711_44 :	4.65	716_306:	4.64
1243_5 :	4.56	716_221:	4.55				

DAS-Univariate Statistics Mon Feb 05 13:59:50 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Tl_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.003		Mean :	0.00943333
Hinges :	0.002	0.007	Huber :	0.00496952
Whiskers:	0.001	0.014	Hampel:	0.00671527
Fences :	-0.0055	0.0145		
Extremes:	0.001	0.16	Coeff. of Variation:	2.34159

Variance : 0.000487925
St. Dev. : 0.022089
Hinge-Spread: 0.005 (Normal Consistent: 0.00370645)
MedMed : 0.002 (Normal Consistent: 0.00296516)
Robust Variance (Huber): 5.41981e-005

	Value	Value/S.E.
Skewness:	4.6253	23.1265
Kurtosis:	22.7917	56.9794

Minimum Standard Score: -0.381788 Maximum Standard Score: 6.81636

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 17)

1246_6 :	0.16	1233_6 :	0.12	1233_7 :	0.11	1201_4 :	0.11
1247_5 :	0.093	1233_3 :	0.046	1233_2 :	0.039	1233_8 :	0.037
1233_5 :	0.034	702_5 :	0.032	1246_7 :	0.03	711_44 :	0.022
1201_10:	0.021	1247_10:	0.019	711_22 :	0.016	716_12 :	0.016
716_99 :	0.015						

DAS-Univariate Statistics Mon Feb 05 13:59:53 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Tm_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.002		Mean :	0.00972
Hinges :	0.001	0.008	Huber :	0.00517236
Whiskers:	0.0005	0.018	Hampel:	0.00700312
Fences :	-0.0095	0.0185		
Extremes:	0.0005	0.23	Coeff. of Variation:	2.53074

Variance : 0.000605102
St. Dev. : 0.0245988
Hinge-Spread: 0.007 (Normal Consistent: 0.00518903)
MedMed : 0.0015 (Normal Consistent: 0.00222387)
Robust Variance (Huber): 7.6734e-005

	Value	Value/S.E.
Skewness:	5.9467	29.7335
Kurtosis:	43.9108	109.777

Minimum Standard Score: -0.374815 Maximum Standard Score: 8.9549

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 18)

1233_8 :	0.23	1233_6 :	0.11	1247_3 :	0.1	711_44 :	0.082
1201_4 :	0.072	1247_6 :	0.058	1246_7 :	0.054	1233_3 :	0.047
711_28 :	0.027	1266_1 :	0.026	716_11 :	0.025	711_22 :	0.024
711_19 :	0.024	1247_4 :	0.022	1247_2 :	0.022	1245_1 :	0.021
1247_7 :	0.021	1233_7 :	0.019				

DAS-Univariate Statistics Mon Feb 05 13:59:43 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

U ppb, (ICPMS) - 0.005

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	3.5135		Mean :	35.8104
Hinges :	1.242	8.48	Huber :	4.98365
Whiskers:	0.008	18.849	Hampel:	17.607
Fences :	-9.615	19.337		
Extremes:	0.008	2017.86	Coeff. of Variation:	5.12079

Variance : 33627.3
St. Dev. : 183.377
Hinge-Spread: 7.238 (Normal Consistent: 5.36546)
MedMed : 2.907 (Normal Consistent: 4.30986)
Robust Variance (Huber): 25.0627

	Value	Value/S.E.
Skewness:	8.9812	44.906
Kurtosis:	89.8397	224.599

Minimum Standard Score: -0.195239 Maximum Standard Score: 10.8086

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 21)

711_27 :	2017.86	711_19 :	702.024	711_22 :	603.465	1233_7 :	355.593
711_31 :	260.292	1246_8 :	141.844	1201_4 :	130.769	711_43 :	101.66
711_13 :	88.241	1266_8 :	81.282	711_28 :	53.062	1201_2 :	50.369
716_177:	43.663	1201_5 :	40.336	1201_11:	35.657	1266_3 :	33.456
1201_1 :	31.285	716_239:	21.462	1201_8 :	21.4	1266_2 :	19.811
1201_9 :	19.564						

DAS-Univariate Statistics Mon Feb 05 13:59:56 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

V_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.5		Mean :	1.19834
Hinges :	0.19	1.22	Huber :	0.6725
Whiskers:	0.005	2.31	Hampel:	0.968079
Fences :	-1.355	2.765		
Extremes:	0.005	16.3	Coeff. of Variation:	1.75981

Variance : 4.44727
St. Dev. : 2.10885
Hinge-Spread: 1.03 (Normal Consistent: 0.763529)
MedMed : 0.37 (Normal Consistent: 0.548554)
Robust Variance (Huber): 0.44946

	Value	Value/S.E.
Skewness:	4.02982	20.1491
Kurtosis:	21.0282	52.5704

Minimum Standard Score: -0.565871 Maximum Standard Score: 7.16107

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 19)

1201_4 :	16.3	716_197:	12.2	716_177:	7.13	702_24 :	6.64
716_207:	5.88	716_11 :	5.79	1247_3 :	5.66	716_239:	5.45
716_278:	5.23	716_190:	5.09	1266_7 :	4.11	716_28 :	3.98
1233_6 :	3.67	702_83 :	3.61	702_80 :	3.48	716_23 :	3.25
716_292:	3.09	716_300:	3.05	716_40 :	2.8		

DAS-Univariate Statistics Mon Feb 05 14:00:00 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

W_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.0465		Mean :	1.71351
Hinges :	0.01	0.86	Huber :	0.278399
Whiskers:	0.001	2.04	Hampel:	1.09412
Fences :	-1.265	2.135		
Extremes:	0.001	60.8	Coeff. of Variation:	3.46553

Variance : 35.2626
St. Dev. : 5.93824
Hinge-Spread: 0.85 (Normal Consistent: 0.630096)
MedMed : 0.0455 (Normal Consistent: 0.0674574)
Robust Variance (Huber): 0.181786

	Value	Value/S.E.
Skewness:	7.2521	36.2605
Kurtosis:	64.3019	160.755

Minimum Standard Score: -0.288388 Maximum Standard Score: 9.95017

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 22)

1201_8 :	60.8	1245_2 :	20.5	1201_9 :	19.7	1245_1 :	18.4
1201_5 :	16	1245_3 :	11.5	1243_6 :	8.71	1247_6 :	8.33
1233_10:	6.85	1266_5 :	6.23	711_43 :	5.75	711_22 :	5.56
1201_4 :	4.24	1243_4 :	4.08	711_31 :	4.03	1266_3 :	3.44
1246_10:	3.42	1246_1 :	3.34	1266_6 :	3.3	1246_9 :	3.26
1266_8 :	3.22	1233_2 :	2.87				

DAS-Univariate Statistics Mon Feb 05 14:00:40 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

+========================+
! Y ppb, (ICPMS) - 0.01 !
+========================+

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.1405		Mean :	0.795693
Hinges :	0.045	0.57	Huber :	0.289508
Whiskers:	0.005	1.34	Hampel:	0.553064
Fences :	-0.7425	1.3575		
Extremes:	0.005	18.454	Coeff. of Variation:	2.58585

Variance : 4.2335
St. Dev. : 2.05755
Hinge-Spread: 0.525 (Normal Consistent: 0.389177)
MedMed : 0.1255 (Normal Consistent: 0.186064)
Robust Variance (Huber): 0.116815

	Value	Value/S.E.
Skewness:	5.45701	27.2851
Kurtosis:	37.3788	93.447

Minimum Standard Score: -0.38429 Maximum Standard Score: 8.58222

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 19)

1233_8 :	18.454	!	1246_7 :	9.098	!	1247_3 :	8.015	!	711_44 :	7.518	!
1233_6 :	5.665	!	1233_3 :	5.347	!	1247_6 :	5.233	!	1201_4 :	5.181	!
1247_4 :	2.807	!	1233_4 :	2.597	!	1266_1 :	2.165	!	711_28 :	2.043	!
1233_7 :	1.938	!	716_11 :	1.897	!	1247_2 :	1.835	!	1233_5 :	1.801	!
1245_1 :	1.701	!	1247_7 :	1.696	!	1243_5 :	1.571	!			

DAS-Univariate Statistics Mon Feb 05 14:00:47 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Yb_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.014		Mean :	0.0623367
Hinges :	0.005	0.046	Huber :	0.0263151
Whiskers:	0.0005	0.1	Hampel:	0.0442918
Fences :	-0.0565	0.1075		
Extremes:	0.0005	1.75	Coeff. of Variation:	2.77679

Variance : 0.0299621
St. Dev. : 0.173096
Hinge-Spread: 0.041 (Normal Consistent: 0.0303929)
MedMed : 0.011 (Normal Consistent: 0.0163084)
Robust Variance (Huber): 0.00106578

	Value	Value/S.E.
Skewness:	6.94873	34.7437
Kurtosis:	59.6244	149.061

Minimum Standard Score: -0.35724 Maximum Standard Score: 9.7499

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 20)

1233_8 :	1.75	1247_3 :	0.66	1233_6 :	0.63	711_44 :	0.56
1201_4 :	0.43	1246_7 :	0.29	1247_6 :	0.28	1233_3 :	0.28
716_11 :	0.2	711_19 :	0.2	711_28 :	0.19	711_22 :	0.19
1266_1 :	0.17	1233_4 :	0.15	1233_7 :	0.13	1245_1 :	0.13
1247_7 :	0.13	1247_2 :	0.13	702_5 :	0.11	1247_4 :	0.11

```
DAS-Univariate Statistics                                Mon Feb 05 14:00:43 1996
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           GSC and complete BGR data, hardrock groundwater, JAN.96
-------------------------------------------------------------------------------
                                              File : c:\___\gwendy\gsc_bgr.das
                          +=======================+
                          ! Zn ppb, (ICPMS) - 0.5 !
                          +=======================+

      Number of values used    : 150
      Number of missing values : 222
      Name of subset(s)        : NONE

               Boxplot Statistics                    Location Estimates
      Median  :          23.4                 Mean  :       83.2613
      Hinges  :      7.4      70.7             Huber :       39.9817
      Whiskers:      0.3     155.1             Hampel:        64.124
      Fences  :   -87.55    165.65
      Extremes:      0.3    1324.5             Coeff. of Variation:  2.02129

      Variance    : 28323.3
      St. Dev.    : 168.295
      Hinge-Spread:    63.3   (Normal Consistent:  46.9236)
      MedMed      :    20.8   (Normal Consistent:  30.8377)
      Robust Variance (Huber):  1919.49

                  Value         Value/S.E.
      Skewness:  4.31967          21.5983
      Kurtosis:    23.21          58.0251

    Minimum Standard Score: -0.492951    Maximum Standard Score:  7.37536

-------------------------------------------------------------------------------

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)


Upper outliers: (number of values counted: 21)
716_278:  1324.5 ! 716_317:   873.8 ! 716_207:   778.2 ! 716_313:   581.9 !
716_69 :   548.6 ! 716_146:     443 ! 716_306:   437.5 ! 716_103:   347.9 !
711_31 :   285.9 ! 1247_10:   269.4 ! 1247_9 :   269.2 ! 716_131:   268.4 !
702_16 :   254.1 ! 1233_8 :   237.6 ! 716_91 :   212.2 ! 702_37 :   209.4 !
716_137:   183.7 ! 711_27 :   183.3 ! 711_44 :   179.4 ! 716_26 :   178.4 !
716_3  :   178.3 !
```

DAS-Univariate Statistics Mon Feb 05 14:00:50 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

File : c:___\gwendy\gsc_bgr.das

Zr_BGR

Number of values used : 150
Number of missing values : 222
Name of subset(s) : NONE

Boxplot Statistics			Location Estimates	
Median :	0.047		Mean :	0.445847
Hinges :	0.01	0.18	Huber :	0.0914034
Whiskers:	0.001	0.41	Hampel:	0.202432
Fences :	-0.245	0.435		
Extremes:	0.001	36.7	Coeff. of Variation:	6.772

Variance : 9.11601
St. Dev. : 3.01927
Hinge-Spread: 0.17 (Normal Consistent: 0.126019)
MedMed : 0.046 (Normal Consistent: 0.0681987)
Robust Variance (Huber): 0.0126803

	Value	Value/S.E.
Skewness:	11.5545	57.7726
Kurtosis:	135.602	339.006

Minimum Standard Score: -0.147336 Maximum Standard Score: 12.0076

Outliers based on Boxplot fences:

Lower outliers: (number of values counted: 0)

Upper outliers: (number of values counted: 18)

1201_4 :	36.7	716_11 :	3.5	1247_4 :	2.89	1247_7 :	2.84
711_22 :	1.63	1247_2 :	1.4	1245_1 :	1.15	711_19 :	1.09
1246_4 :	1	1233_6 :	0.67	1245_2 :	0.66	711_44 :	0.64
1266_7 :	0.49	1247_10:	0.48	716_61 :	0.47	716_99 :	0.45
716_69 :	0.44	1247_6 :	0.44				

Vedlegg 8

"Outlier"-liste som viser de vannprøvene som har et elementinnhold som statistisk (vha. boxplot, se vedlegg 13) er funnet å være høyere enn normalt i forhold til elementinnholdet i det totale datasettet. Vannprøvene er sortert etter prøvenummer. Verdiene i klammer angir det analyserte elementinnholdet.

DAS-Outlier Listing Mon Feb 05 12:07:28 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

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702_2 - Upper outlier: As_BGR(1.44), B_BGR(176), Cs(1.097), Hf_BGR(0.057), Mo(18.6), Sb_BGR(0.81)

702_5 - Upper outlier: Ba(237.1), Ce_BGR(3.22), Co_BGR(1.21), Cs(0.821), Dy_BGR(0.26), Fe(1529), Gd_BGR(0.33), In_BGR(0.001), Mn(220.5), Nb_BGR(0.059), Ni_BGR(3.84), Pb_BGR(6.15), Pr_BGR(0.38), Sb_BGR(0.26), Sm_BGR(0.31), Sn_BGR(0.074), Tb_BGR(0.043), Th_BGR(0.12), Ti_BGR(6.25), Tl_BGR(0.032)

702_7 - Upper outlier: Mg(20.5), Sr(1870.9)

702_11 - Upper outlier: As_BGR(1.37), Cr(1.67), Mg(18), Sr(1513.3)

702_13 - Upper outlier: TEMP(12)

702_16 - Upper outlier: Zn(254.1)

702_18 - Upper outlier: TEMP(11.7)

702_24 - Upper outlier: V_BGR(6.64)

702_28 - Upper outlier: Cu(133.7)

702_32 - Upper outlier: As_BGR(11.1), Pb_BGR(3.85), Sb_BGR(0.41), Sn_BGR(0.092), Ti_BGR(5.22)

702_37 - Upper outlier: Mg(19.8), Mo(40.02), Sn_BGR(0.075), Zn(209.4)

702_39 - Upper outlier: I_BGR(16.1), Mg(26.8)

702_41 - Upper outlier: TEMP(11.5)

702_46 - Upper outlier: Ag_BGR(0.008)

702_51 - Upper outlier: TEMP(11.6)

702_58 - Upper outlier: Ba(138.7), Bi_BGR(0.006), Mg(18), Ta_BGR(0.007), Te_BGR(0.084)

702_71 - Upper outlier: Cu(119.8)

702_76 - Upper outlier: La(1.488)

702_80 - Upper outlier: In_BGR(0.001), Mo(21.66), Te_BGR(0.079), V_BGR(3.48)

702_82 - Upper outlier: Ba(167.9)

702_83 - Upper outlier: Fe(933), Hf_BGR(0.074), Sr(1162.7), V_BGR(3.61)

702_84 - Upper outlier: Mo(15.02)

711_1 - Upper outlier: F(2.1), Rn(910)

711_2 - Upper outlier: Rn(910), Ag_BGR(0.048), Bi_BGR(0.005), In_BGR(0.001)

711_3 - Upper outlier: F(2.3)

DAS-Outlier Listing Mon Feb 05 12:07:28 1996

GSC and complete BGR data, hardrock groundwater, JAN.96

Page : 2 File : c:___\gwendy\gsc_bgr.das

711_4 - Upper outlier: Rn(3670)

711_5 - Upper outlier: F(2.6), Rn(1550)

711_6 - Upper outlier: Rn(740)

711_8 - Upper outlier: Rn(1930)

711_9 - Upper outlier: F(2.4), Rn(600)

711_10 - Upper outlier: F(2.3), Rn(1360)

711_11 - Upper outlier: F(2.6), Rn(2300)

711_12 - Upper outlier: F(2.4), Rn(3130)

711_13 - Upper outlier: F(3.6), Rn(1710), Bi_BGR(0.011), Cd_BGR(0.3), Hf_BGR(0.08), Mn(241.1), Mo(98.54), Pb_BGR(2.23), U(88.241)

711_14 - Upper outlier: F(2), Rn(1300)

711_16 - Upper outlier: F(3.7), Rn(960)

711_17 - Upper outlier: F(3.7), Rn(3170)

711_18 - Upper outlier: Rn(1000)

711_19 - Upper outlier: F(3.2), Rn(6840), Be_BGR(0.6), Bi_BGR(0.008), Hf_BGR(0.065), In_BGR(0.001), Lu_BGR(0.04), Mo(26.23), Nb_BGR(0.21), Sb_BGR(0.45), Ta_BGR(0.011), Te_BGR(0.065), Th_BGR(0.71), Tm_BGR(0.024), U(702.024), Yb_BGR(0.2), Zr_BGR(1.09)

711_21 - Upper outlier: Rn(2980)

711_22 - Upper outlier: F(7.1), Rn(1510), Be_BGR(0.27), Bi_BGR(0.011), Cd_BGR(0.44), Cr(1.57), Ga_BGR(0.22), Hf_BGR(0.11), Hg_BGR(0.24), In_BGR(0.002), Lu_BGR(0.041), Mo(289.38), Nb_BGR(0.57), Pb_BGR(1.65), Sb_BGR(0.63), Se_BGR(1.18), Ta_BGR(0.036), Te_BGR(0.11), Th_BGR(0.62), Tm_BGR(0.024), U(603.465), W_BGR(5.56), Yb_BGR(0.19), Zr_BGR(1.63)

711_23 - Upper outlier: F(2.2), Rn(3300)

711_24 - Upper outlier: Rn(1070)

711_25 - Upper outlier: F(2.3), Rn(900)

711_26 - Upper outlier: F(2.4), Rn(2460)

711_27 - Upper outlier: F(1.9), Rn(5330), In_BGR(0.001), Mo(95.88), Te_BGR(0.042), U(2017.86), Zn(183.3)

711_28 - Upper outlier: Rn(3250), Be_BGR(2.82), Cd_BGR(0.45), Er_BGR(0.15), Ho_BGR(0.045), Lu_BGR(0.041), Mo(17.08), Nb_BGR(0.15), P_BGR(184), Sb_BGR(0.18), Sn_BGR(0.54), Te_BGR(0.052), Tm_BGR(0.027), U(53.062), Y(2.043), Yb_BGR(0.19)

711_29 - Upper outlier: F(2.4), Rn(860)

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711_30 - Upper outlier: F(2.1), Rn(1870)

711_31 - Upper outlier: F(4.2), Rn(1820), In_BGR(0.001), Mo(39.39), U(260.292), W_BGR(4.03), Zn(285.9)

711_32 - Upper outlier: F(2.8), Rn(1410)

711_33 - Upper outlier: Rn(2150)

711_34 - Upper outlier: Rn(1330)

711_35 - Upper outlier: F(2.4), Rn(1920)

711_36 - Upper outlier: F(3), Rn(1450)

711_37 - Upper outlier: F(3.1), Rn(850)

711_38 - Upper outlier: F(3), Rn(980)

711_39 - Upper outlier: Rn(640)

711_40 - Upper outlier: F(2.2), Rn(1000)

711_41 - Upper outlier: F(2.2)

711_42 - Upper outlier: Ag_BGR(0.011), Cu(84.7), In_BGR(0.002), Sb_BGR(0.15), Te_BGR(0.094)

711_43 - Upper outlier: F(3), Rn(800), Hg_BGR(0.22), Li(24.62), Mo(95.25), Te_BGR(0.039), U(101.66), W_BGR(5.75)

711_44 - Upper outlier: Rn(870), Ag_BGR(0.023), Al(371), Be_BGR(0.31), Cd_BGR(0.33), Ce_BGR(8.45), Co_BGR(0.47), Cr(2.04), Cu(120.4), Dy_BGR(1.25), Er_BGR(0.76), Eu_BGR(0.19), Fe(816), Ga_BGR(0.16), Gd_BGR(1.42), Hf_BGR(0.066), Ho_BGR(0.27), In_BGR(0.001), La(5.355), Lu_BGR(0.088), Nb_BGR(0.068), Nd(6.5012), Pb_BGR(5.5), Pr_BGR(1.89), Sb_BGR(0.19), Sm_BGR(1.39), Sn_BGR(0.38), Ta_BGR(0.007), Tb_BGR(0.22), Th_BGR(0.23), Ti_BGR(4.65), Tl_BGR(0.022), Tm_BGR(0.082), Y(7.518), Yb_BGR(0.56), Zn(179.4), Zr_BGR(0.64)

716_3 - Upper outlier: P_BGR(697), Sb_BGR(0.16), Zn(178.3)

716_8 - Upper outlier: Ag_BGR(0.015), Ba(176.7), Be_BGR(0.52), K(14.5), P_BGR(1730), Sb_BGR(0.19)

716_11 - Upper outlier: F(2.5), Ag_BGR(0.022), Al(351), Be_BGR(0.87), Bi_BGR(0.008), Ce_BGR(4.18), Co_BGR(0.3), Dy_BGR(0.3), Er_BGR(0.17), Eu_BGR(0.12), Fe(674), Ga_BGR(0.23), Gd_BGR(0.37), Hf_BGR(0.13), Ho_BGR(0.064), In_BGR(0.001), La(2.201), Lu_BGR(0.032), Nb_BGR(0.17), Nd(2.1563), Pr_BGR(0.57), Sm_BGR(0.4), Ta_BGR(0.01), Tb_BGR(0.055), Th_BGR(0.44), Ti_BGR(19.8), Tm_BGR(0.025), V_BGR(5.79), Y(1.897), Yb_BGR(0.2), Zr_BGR(3.5)

716_12 - Upper outlier: F(3.8), Ag_BGR(0.018), Bi_BGR(0.019), Cs(1.612), Ge_BGR(0.11), Hf_BGR(0.068), Hg_BGR(0.24), In_BGR(0.008), Ta_BGR(0.017), Te_BGR(0.21)

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716_22 - Upper outlier: Ag_BGR(0.012), Cu(80), In_BGR(0.001), Ta_BGR(0.022), Te_BGR(0.051)

716_23 - Upper outlier: Se_BGR(1.12), V_BGR(3.25)

716_26 - Upper outlier: Ag_BGR(0.007), Cd_BGR(0.95), K(11.89), Nb_BGR(0.052), Ni_BGR(2.89), P_BGR(2270), Rb(7.7), Sb_BGR(0.36), Sn_BGR(1.3), Zn(178.4)

716_28 - Upper outlier: Ag_BGR(0.007), Ba(130.7), Be_BGR(0.4), Cs(0.582), In_BGR(0.002), K(8.36), P_BGR(1350), Sb_BGR(0.22), Ta_BGR(0.012), Te_BGR(0.1), V_BGR(3.98)

716_38 - Upper outlier: Ba(148.1), Cs(1.031), In_BGR(0.001)

716_40 - Upper outlier: Ba(177.1), Cs(1.298), K(24.1), Mn(157.4), Rb(10.51), Ta_BGR(0.009), V_BGR(2.8)

716_47 - Upper outlier: Be_BGR(0.33), Cs(0.615)

716_61 - Upper outlier: Ag_BGR(0.028), Al(188), Be_BGR(0.36), Ce_BGR(2.62), Cs(0.618), Ga_BGR(0.16), In_BGR(0.001), La(1.459), Nb_BGR(0.13), P_BGR(423), Pr_BGR(0.42), Ti_BGR(10.5), Zr_BGR(0.47)

716_69 - Upper outlier: Be_BGR(0.27), Cd_BGR(0.36), Hf_BGR(0.076), In_BGR(0.001), Nb_BGR(0.06), Ta_BGR(0.017), Zn(548.6), Zr_BGR(0.44)

716_70 - Upper outlier: Hf_BGR(0.076), Mn(156.5), P_BGR(180)

716_91 - Upper outlier: Ag_BGR(0.009), Ba(132.7), Cs(0.955), Cu(262.6), Eu_BGR(0.068), Nd(1.6196), P_BGR(141), Pb_BGR(1.73), Pr_BGR(0.4), Sm_BGR(0.31), Sn_BGR(0.7), Zn(212.2)

716_94 - Upper outlier: F(4.25), B_BGR(135), Br_BGR(220), Hf_BGR(0.12), I_BGR(16.1), Mo(82), Na(144), Se_BGR(1.03), Ta_BGR(0.008)

716_99 - Upper outlier: Ag_BGR(0.017), Al(182), Be_BGR(1.04), Cd_BGR(0.67), Ce_BGR(3.23), Eu_BGR(0.071), Ga_BGR(0.14), Gd_BGR(0.32), In_BGR(0.001), La(1.439), Nb_BGR(0.11), Nd(2.1861), Pb_BGR(3.36), Pr_BGR(0.55), Sm_BGR(0.41), Ta_BGR(0.007), Tb_BGR(0.035), Ti_BGR(7.8), Zr_BGR(0.45)

716_103 - Upper outlier: Cd_BGR(0.94), Ta_BGR(0.009), Zn(347.9)

716_105 - Upper outlier: As_BGR(4.39), P_BGR(1900), Sb_BGR(0.24)

716_107 - Upper outlier: Cd_BGR(0.48), Co_BGR(0.32)

716_108 - Upper outlier: Cd_BGR(0.48)

716_122 - Upper outlier: F(3.14), TEMP(12.6), B_BGR(318), Br_BGR(1430), Cr(3.29), Ge_BGR(0.11), I_BGR(300), K(10.21), Mn(217.5), Mo(32.68), Na(508), Nb_BGR(0.057), P_BGR(978), Se_BGR(4.23), Sn_BGR(0.1), Ta_BGR(0.007)

716_125 - Upper outlier: Ba(148.5), Br_BGR(274), In_BGR(0.002), I_BGR(36.4), Mg(23), Mn(259.9), P_BGR(133), Se_BGR(1.83), Sr(1722.6), Ta_BGR(0.008), Te_BGR(0.085)

716_126 - Upper outlier: Hf_BGR(0.071), Sn_BGR(0.076)

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716_131 - Upper outlier: Cd_BGR(0.42), Mg(20.3), Zn(268.4)

716_137 - Upper outlier: Be_BGR(0.29), Co_BGR(1.12), In_BGR(0.001), Mn(113.3), Nb_BGR(0.081), P_BGR(296), Pb_BGR(3.59), Sn_BGR(0.08), Sr(1009.3), Ti_BGR(6.26), Zn(183.7)

716_143 - Upper outlier: Cd_BGR(1.81), I_BGR(9.6), Mg(18.8), Ni_BGR(2.95)

716_146 - Upper outlier: Ag_BGR(0.007), Cd_BGR(0.89), Ni_BGR(3.96), Pb_BGR(1.67), Zn(443)

716_171 - Upper outlier: Co_BGR(0.76), K(24.27), P_BGR(1310), Rb(17.1)

716_177 - Upper outlier: As_BGR(1.84), Br_BGR(529), I_BGR(48.5), Na(222), Se_BGR(2.25), U(43.663), V_BGR(7.13)

716_190 - Upper outlier: Ag_BGR(0.044), As_BGR(3.22), Cd_BGR(0.4), Nb_BGR(0.098), Se_BGR(1.11), Ti_BGR(6.54), V_BGR(5.09)

716_197 - Upper outlier: Ag_BGR(0.007), Al(167), Co_BGR(0.38), Fe(267), Ga_BGR(0.14), Nb_BGR(0.11), Ti_BGR(24.1), V_BGR(12.2)

716_207 - Upper outlier: Cd_BGR(0.36), Co_BGR(0.33), P_BGR(1720), Sb_BGR(0.36), Ti_BGR(5.2), V_BGR(5.88), Zn(778.2)

716_221 - Upper outlier: Ba(149.9), Mg(22), Ti_BGR(4.55)

716_239 - Upper outlier: Cd_BGR(0.33), Sr(1012.3), U(21.462), V_BGR(5.45)

716_240 - Upper outlier: TEMP(12.2)

716_249 - Upper outlier: Co_BGR(0.26), I_BGR(11.3), Mg(32.5)

716_255 - Upper outlier: B_BGR(206), Ba(146.8), Cs(0.592), I_BGR(29.3), K(8.38), Mg(33)

716_262 - Lower outlier: TEMP(4.9)

716_263 - Upper outlier: TEMP(12.9)

716_278 - Upper outlier: Ag_BGR(0.015), Al(123), As_BGR(1.25), Ba(124), Cd_BGR(0.83), Co_BGR(4.09), Cu(1332), Ga_BGR(0.44), In_BGR(0.005), La(1.765), Mn(2975), Nb_BGR(0.1), Nd(1.6129), Ni_BGR(5.64), P_BGR(415), Pb_BGR(22.5), Pr_BGR(0.45), Sb_BGR(0.43), Sn_BGR(0.41), Ti_BGR(6.25), V_BGR(5.23), Zn(1324.5)

716_280 - Upper outlier: TEMP(14)

716_292 - Upper outlier: As_BGR(1.89), Br_BGR(155), Hf_BGR(0.073), P_BGR(366), Se_BGR(1.13), V_BGR(3.09)

716_300 - Upper outlier: In_BGR(0.001), Se_BGR(1.33), V_BGR(3.05)

716_317 - Upper outlier: Cd_BGR(0.4), Mg(19.3), Pb_BGR(2.72), Zn(873.8)

716_334 - Upper outlier: Be_BGR(0.24), Nd(1.6748), Pr_BGR(0.41), Sm_BGR(0.29)

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1201_1 - Upper outlier: Rn(880), Ni_BGR(2.54), Th_BGR(0.23), U(31.285)

1201_2 - Upper outlier: Cu(85), U(50.369)

1201_3 - Upper outlier: Cr(1.66), Fe(433), K(7.85), Mn(170.1)

1201_4 - Upper outlier: Ag_BGR(0.074), Al(2537), As_BGR(4.77), B_BGR(181), Be_BGR(1.99), Bi_BGR(0.16), Br_BGR(156), Ce_BGR(140), Co_BGR(8.12), Cr(5.86), Cs(0.739), Dy_BGR(1.44), Er_BGR(0.6), Eu_BGR(1), Fe(4190), Ga_BGR(3.06), Gd_BGR(3.9), Ge_BGR(0.32), Hf_BGR(0.75), Ho_BGR(0.23), In_BGR(0.02), K(10.32), La(112.479), Lu_BGR(0.081), Mn(301.8), Na(128), Nb_BGR(1.75), Nd(49.082), Ni_BGR(14.3), P_BGR(409), Pb_BGR(44.4), Pr_BGR(14.3), Rb(10.09), Sb_BGR(0.2), Sc_BGR(9.61), Se_BGR(1.01), Sm_BGR(5.79), Sn_BGR(0.27), Ta_BGR(0.089), Tb_BGR(0.39), Th_BGR(21.4), Ti_BGR(355), Tl_BGR(0.11), Tm_BGR(0.072), U(130.769), V_BGR(16.3), W_BGR(4.24), Y(5.181), Yb_BGR(0.43), Zr_BGR(36.7)

1201_5 - Upper outlier: Rn(760), As_BGR(1.88), Hf_BGR(0.095), Hg_BGR(0.34), Sb_BGR(0.29), U(40.336), W_BGR(16)

1201_8 - Upper outlier: F(9.18), As_BGR(1.2), B_BGR(220), Bi_BGR(0.007), Ge_BGR(0.16), Hf_BGR(0.12), Hg_BGR(1.16), Mo(30.94), Ta_BGR(0.007), U(21.4), W_BGR(60.8)

1201_10 - Upper outlier: Bi_BGR(0.009), Co_BGR(0.35), Mn(1179.5), Pb_BGR(2.49), Sn_BGR(0.33), Tl_BGR(0.021)

1233_1 - Upper outlier: Co_BGR(0.79), Sn_BGR(0.16)

1233_2 - Upper outlier: Ni_BGR(3.83), Tl_BGR(0.039), W_BGR(2.87)

1233_3 - Upper outlier: Be_BGR(0.43), Cs(0.56), Dy_BGR(0.41), Er_BGR(0.32), Gd_BGR(0.28), Ho_BGR(0.097), Lu_BGR(0.052), Mo(15.82), Rb(8.98), Tb_BGR(0.051), Tl_BGR(0.046), Tm_BGR(0.047), Y(5.347), Yb_BGR(0.28)

1233_4 - Upper outlier: F(2.04), Rn(730), Cs(0.616), Er_BGR(0.14), Li(18.366), Lu_BGR(0.032), Rb(9.38), Y(2.597), Yb_BGR(0.15)

1233_5 - Upper outlier: Cs(0.641), Lu_BGR(0.023), P_BGR(332), Ti_BGR(4.82), Tl_BGR(0.034), Y(1.801)

1233_6 - Upper outlier: Ag_BGR(0.014), Al(1266), Be_BGR(0.4), Bi_BGR(0.1), Ce_BGR(15.6), Co_BGR(1.48), Cr(3.01), Cs(0.818), Dy_BGR(1.38), Er_BGR(0.76), Eu_BGR(0.16), Fe(2084), Ga_BGR(0.94), Gd_BGR(1.77), Ge_BGR(0.092), Ho_BGR(0.25), In_BGR(0.002), La(8.74), Lu_BGR(0.11), Nb_BGR(0.49), Nd(9.1086), Ni_BGR(4.85), P_BGR(885), Pb_BGR(5.79), Pr_BGR(2.87), Rb(11.77), Sm_BGR(2.01), Tb_BGR(0.24), Th_BGR(1.07), Ti_BGR(153), Tl_BGR(0.12), Tm_BGR(0.11), V_BGR(3.67), Y(5.665), Yb_BGR(0.63), Zr_BGR(0.67)

1233_7 - Upper outlier: Rn(1460), Cs(0.6), Lu_BGR(0.032), Tl_BGR(0.11), Tm_BGR(0.019), U(355.593), Y(1.938), Yb_BGR(0.13)

1233_8 - Upper outlier: Rn(750), Ag_BGR(0.01), Al(132), Be_BGR(0.69), Co_BGR(0.57), Cu(86.6), Dy_BGR(1.33), Er_BGR(1.33), Eu_BGR(0.076), Fe(250), Gd_BGR(0.84), Ho_BGR(0.36), La(2.109), Lu_BGR(0.38), Nd(2.3733), Pb_BGR(8.85), Pr_BGR(0.57), Sm_BGR(0.61), Sn_BGR(0.23), Tb_BGR(0.19),

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Tl_BGR(0.037), Tm_BGR(0.23), Y(18.454), Yb_BGR(1.75), Zn(237.6)

1233_9 - Upper outlier: Cd_BGR(0.63), Sn_BGR(0.085)

1233_10 - Upper outlier: F(2.27), Ge_BGR(0.093), Hf_BGR(0.095), Li(20.792), Mo(15.69), W_BGR(6.85)

1243_4 - Upper outlier: W_BGR(4.08)

1243_5 - Upper outlier: Gd_BGR(0.34), La(2.699), Nd(2.1242), Pr_BGR(0.48), Sm_BGR(0.31), Tb_BGR(0.037), Ti_BGR(4.56), Y(1.571)

1243_6 - Upper outlier: Cu(113.2), Hg_BGR(0.2), W_BGR(8.71)

1245_1 - Upper outlier: F(2.22), Rn(610), B_BGR(407), Br_BGR(143), Ce_BGR(5.74), Dy_BGR(0.36), Er_BGR(0.17), Gd_BGR(0.4), Ge_BGR(0.55), Hg_BGR(0.39), Ho_BGR(0.06), In_BGR(0.002), La(2.55), Na(160.5), Nd(2.3412), P_BGR(450), Pr_BGR(0.61), Sm_BGR(0.46), Tb_BGR(0.063), Th_BGR(0.66), Tm_BGR(0.021), W_BGR(18.4), Y(1.701), Yb_BGR(0.13), Zr_BGR(1.15)

1245_2 - Upper outlier: F(7.5), B_BGR(409), Ga_BGR(0.2), Ge_BGR(0.24), Hg_BGR(0.38), Na(147.5), P_BGR(175), Th_BGR(0.26), W_BGR(20.5), Zr_BGR(0.66)

1245_3 - Upper outlier: F(2.17), B_BGR(248), Bi_BGR(0.013), Hg_BGR(0.28), Th_BGR(0.12), W_BGR(11.5)

1246_1 - Upper outlier: B_BGR(117), W_BGR(3.34)

1246_2 - Upper outlier: F(5.01), B_BGR(178), Ga_BGR(0.22), Th_BGR(0.19)

1246_3 - Upper outlier: F(3.02), B_BGR(202), Ga_BGR(0.26)

1246_4 - Upper outlier: F(1.92), B_BGR(395), Br_BGR(813), Ce_BGR(5.35), Gd_BGR(0.27), Ge_BGR(1.14), La(2.519), Li(59.641), Na(357), Nd(2.1172), P_BGR(525), Pr_BGR(0.59), Se_BGR(3.01), Sm_BGR(0.36), Ta_BGR(0.008), Tb_BGR(0.037), Th_BGR(0.39), Zr_BGR(1)

1246_5 - Upper outlier: Hf_BGR(0.11)

1246_6 - Upper outlier: Ba(156.1), Fe(1345), Mn(726.3), Tl_BGR(0.16)

1246_7 - Upper outlier: Al(177), Ce_BGR(13.1), Dy_BGR(1.66), Er_BGR(0.65), Eu_BGR(0.83), Ga_BGR(0.31), Gd_BGR(3.52), Ho_BGR(0.29), La(33.966), Lu_BGR(0.051), Nd(24.6012), Pr_BGR(6.38), Sm_BGR(4.22), Ta_BGR(0.023), Tb_BGR(0.4), Th_BGR(0.37), Ti_BGR(6.93), Tl_BGR(0.03), Tm_BGR(0.054), Y(9.098), Yb_BGR(0.29)

1246_8 - Upper outlier: Rn(3880), Br_BGR(123), I_BGR(11.5), Ta_BGR(0.011), U(141.844)

1246_9 - Upper outlier: F(3.11), As_BGR(1.6), B_BGR(471), Br_BGR(790), Ge_BGR(0.29), I_BGR(15.2), Li(21.513), Na(257), Se_BGR(2.88), Ta_BGR(0.018), Th_BGR(0.32), W_BGR(3.26)

1246_10 - Upper outlier: F(5.7), B_BGR(854), Br_BGR(136), Ga_BGR(0.32), Ge_BGR(0.31), Na(145.5), Ta_BGR(0.011), W_BGR(3.42)

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1246_11 - Upper outlier: F(2.41), B_BGR(433), Ga_BGR(0.21), Gd_BGR(0.27), La(1.391), Ta_BGR(0.008), Tb_BGR(0.035)

1247_1 - Upper outlier: Ag_BGR(0.019), Ge_BGR(0.31), Th_BGR(0.1), Ti_BGR(6.07)

1247_2 - Upper outlier: Rn(1020), Ag_BGR(0.009), Al(217), Bi_BGR(0.01), Ce_BGR(7.76), Co_BGR(0.23), Dy_BGR(0.32), Er_BGR(0.16), Fe(466), Ga_BGR(0.19), Gd_BGR(0.44), Ge_BGR(0.11), Ho_BGR(0.055), In_BGR(0.001), La(3.669), Lu_BGR(0.023), Nb_BGR(0.21), Nd(2.9987), Pr_BGR(0.81), Sm_BGR(0.48), Sn_BGR(0.077), Tb_BGR(0.057), Th_BGR(0.55), Ti_BGR(25), Tm_BGR(0.022), Y(1.835), Yb_BGR(0.13), Zr_BGR(1.4)

1247_3 - Upper outlier: Br_BGR(120), Ce_BGR(17.7), Dy_BGR(1.34), Er_BGR(0.78), Eu_BGR(0.27), Fe(5323), Ga_BGR(0.17), Gd_BGR(1.67), Ho_BGR(0.27), I_BGR(16.4), La(7.005), Lu_BGR(0.13), Mn(229.6), Nd(9.036), Pb_BGR(2.5), Pr_BGR(2.18), Sm_BGR(1.78), Sn_BGR(0.42), Tb_BGR(0.23), Th_BGR(0.28), Tm_BGR(0.1), V_BGR(5.66), Y(8.015), Yb_BGR(0.66)

1247_4 - Upper outlier: Al(155), Ce_BGR(12.3), Dy_BGR(0.6), Er_BGR(0.23), Eu_BGR(0.081), Fe(749), Ga_BGR(0.21), Gd_BGR(0.9), Ge_BGR(0.08), Hf_BGR(0.081), Ho_BGR(0.1), La(5.759), Nd(5.1477), P_BGR(162), Pr_BGR(1.36), Sm_BGR(0.95), Tb_BGR(0.12), Th_BGR(0.38), Ti_BGR(16.6), Tm_BGR(0.022), Y(2.807), Zr_BGR(2.89)

1247_5 - Upper outlier: Tl_BGR(0.093)

1247_6 - Upper outlier: F(3.1), Rn(610), Dy_BGR(0.51), Er_BGR(0.41), Ga_BGR(0.22), Gd_BGR(0.29), Ge_BGR(0.22), Hg_BGR(0.19), Ho_BGR(0.13), Lu_BGR(0.049), Tb_BGR(0.059), Tm_BGR(0.058), W_BGR(8.33), Y(5.233), Yb_BGR(0.28), Zr_BGR(0.44)

1247_7 - Upper outlier: Ag_BGR(0.01), B_BGR(345), Ce_BGR(7.53), Dy_BGR(0.32), Er_BGR(0.16), Eu_BGR(0.063), Fe(399), Ga_BGR(0.14), Gd_BGR(0.44), Ge_BGR(0.5), Ho_BGR(0.058), La(3.274), Lu_BGR(0.024), Nd(2.9468), P_BGR(280), Pr_BGR(0.78), Sm_BGR(0.5), Tb_BGR(0.059), Th_BGR(0.71), Ti_BGR(7.44), Tm_BGR(0.021), Y(1.696), Yb_BGR(0.13), Zr_BGR(2.84)

1247_8 - Upper outlier: B_BGR(138), Ge_BGR(0.26), Hf_BGR(0.13), K(7.75), Th_BGR(0.13)

1247_9 - Upper outlier: Co_BGR(0.37), Cu(227.9), Ti_BGR(7.12), Zn(269.2)

1247_10 - Upper outlier: TEMP(12), Ag_BGR(0.009), Al(177), Ce_BGR(3.74), Co_BGR(0.24), Cu(134.8), Fe(370), Gd_BGR(0.24), La(1.974), Nd(1.6691), Ni_BGR(2.7), Pb_BGR(1.74), Pr_BGR(0.46), Th_BGR(0.099), Ti_BGR(14.7), Tl_BGR(0.019), Zn(269.4), Zr_BGR(0.48)

1266_1 - Upper outlier: Ce_BGR(3.34), Co_BGR(0.67), Dy_BGR(0.28), Er_BGR(0.19), Fe(1249), Gd_BGR(0.31), Ho_BGR(0.066), Lu_BGR(0.028), Mn(339.9), Tb_BGR(0.045), Th_BGR(0.11), Tm_BGR(0.026), Y(2.165), Yb_BGR(0.17)

1266_2 - Upper outlier: Fe(501), U(19.811)

1266_3 - Upper outlier: Mo(16.35), U(33.456), W_BGR(3.44)

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1266_4 - Lower outlier: TEMP(4.2)
Upper outlier: Cd_BGR(0.64), Sn_BGR(2.33), W_BGR(2.04)

1266_5 - Upper outlier: F(2.25), Ge_BGR(0.23), W_BGR(6.23)

1266_6 - Upper outlier: Cd_BGR(5.54), W_BGR(3.3)

1266_7 - Upper outlier: Ce_BGR(6.5), Fe(346), Gd_BGR(0.31), La(2.712), Mn(103.1), Nd(2.309), P_BGR(174), Pr_BGR(0.63), Sm_BGR(0.34), Tb_BGR(0.039), Th_BGR(0.13), Ti_BGR(10.3), V_BGR(4.11), Zr_BGR(0.49)

1266_8 - Upper outlier: Ge_BGR(0.27), U(81.282), W_BGR(3.22)

1266_9 - Upper outlier: As_BGR(1.2), Br_BGR(1320), Mg(19), Na(237), Se_BGR(4.82)

1266_10 - Upper outlier: Ba(167.2), Sn_BGR(0.24), Ti_BGR(9.22)

Vedlegg 9

Liste over korrelasjonskoeffesienter mellom de ulike elementer kalkulert separat for de to logtransformerte datasettene fra Oslo og Bergen.

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GSC and complete BGR data, hardrock groundwater, JAN.96

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	F	Rn	TEMP	DEPTH	Ag_BGR	Al	As_BGR	B_BGR	
Rn	0.18	BERGEN							
Rn	0.66	OSLO							
TEMP	0.03	0.14	BERGEN						
TEMP	0.09	-0.10	OSLO						
DEPTH	0.13	0.06	-0.19	BERGEN					
DEPTH	0.11	0.02	-0.07	OSLO					
Ag_BGR	-0.18	0.19	-0.01	0.02	BERGEN				
Ag_BGR	-0.31	-0.14	0.10	-0.05	OSLO				
Al	-0.12	0.15	0.03	0.10	0.74	BERGEN			
Al	-0.12	-0.15	-0.18	0.16	0.47	OSLO			
As_BGR	0.24	0.09	0.31	0.09	0.28	0.40	BERGEN		
As_BGR	0.11	-0.25	-0.14	0.33	0.07	0.30	OSLO		
B_BGR	0.72	0.19	0.24	0.04	-0.07	-0.17	0.33	BERGEN	
B_BGR	0.43	-0.01	0.03	0.26	-0.08	0.06	0.54	OSLO	
Ba	-0.15	-0.21	0.09	0.01	0.11	0.11	0.31	-0.01	BERGEN
Ba	-0.27	-0.32	-0.05	0.02	-0.01	-0.06	0.10	0.07	OSLO
Be_BGR	0.09	0.43	-0.07	0.05	0.53	0.53	0.25	-0.06	BERGEN
Be_BGR	0.09	0.43	0.15	-0.01	0.42	0.46	0.05	-0.06	OSLO
Bi_BGR	0.06	0.13	-0.07	0.23	0.54	0.59	0.48	-0.01	BERGEN
Bi_BGR	0.33	0.19	-0.01	0.16	0.31	0.44	0.26	0.25	OSLO
Br_BGR	0.30	-0.11	0.25	-0.17	0.09	-0.06	0.38	0.65	BERGEN
Br_BGR	0.41	0.09	0.13	0.08	-0.07	-0.03	0.36	0.71	OSLO
Ca_BGR	-0.28	-0.01	-0.05	-0.22	-0.27	-0.35	-0.13	-0.39	BERGEN
Ca_BGR	-0.17	-0.00	-0.21	-0.06	-0.08	-0.30	-0.04	-0.05	OSLO
Cd_BGR	-0.06	0.02	-0.21	-0.06	0.10	0.09	-0.09	-0.35	BERGEN
Cd_BGR	0.19	0.17	-0.23	0.02	0.08	0.29	0.15	0.26	OSLO
Ce_BGR	0.13	0.08	0.05	0.15	0.62	0.61	0.43	0.20	BERGEN
Ce_BGR	-0.18	-0.15	-0.28	0.14	0.42	0.87	0.33	0.06	OSLO
Co_BGR	-0.43	-0.09	-0.08	0.04	0.63	0.68	0.35	-0.37	BERGEN
Co_BGR	-0.26	-0.17	-0.18	0.08	0.44	0.47	0.30	0.12	OSLO
Cr	-0.02	0.13	0.07	0.25	0.46	0.36	0.43	0.21	BERGEN
Cr	0.33	0.08	0.42	0.06	-0.16	-0.09	0.18	0.37	OSLO
Cs	0.18	0.23	0.04	0.03	0.31	0.31	0.23	-0.04	BERGEN
Cs	0.19	-0.04	-0.07	0.17	-0.04	0.00	0.40	0.52	OSLO
Cu	-0.35	0.03	0.31	-0.12	0.36	0.41	0.21	-0.35	BERGEN
Cu	-0.47	-0.11	0.00	0.04	0.40	0.39	-0.04	-0.28	OSLO
Dy_BGR	-0.03	0.19	0.05	-0.07	0.58	0.60	0.18	-0.08	BERGEN
Dy_BGR	0.00	0.10	-0.09	0.07	0.42	0.73	0.18	0.04	OSLO
Er_BGR	-0.06	0.25	0.06	-0.11	0.55	0.58	0.13	-0.13	BERGEN
Er_BGR	0.12	0.18	-0.04	0.08	0.41	0.69	0.19	0.10	OSLO
Eu_BGR	-0.21	-0.00	0.11	-0.05	0.61	0.65	0.38	-0.08	BERGEN
Eu_BGR	-0.09	0.00	0.00	-0.04	0.35	0.37	0.03	0.13	OSLO
Fe	-0.14	0.12	-0.08	-0.03	0.60	0.59	0.43	-0.07	BERGEN
Fe	0.06	0.02	-0.20	0.11	0.25	0.62	0.27	0.20	OSLO
Ga_BGR	0.34	0.04	0.10	0.30	0.53	0.60	0.57	0.35	BERGEN
Ga_BGR	0.12	0.00	-0.09	0.04	0.39	0.72	0.47	0.33	OSLO
Gd_BGR	-0.00	0.15	0.06	0.01	0.61	0.63	0.25	-0.01	BERGEN
Gd_BGR	-0.16	-0.01	-0.18	0.06	0.50	0.79	0.20	-0.03	OSLO
Ge_BGR	0.55	0.08	0.01	0.17	0.30	0.10	0.20	0.65	BERGEN
Ge_BGR	0.42	0.28	0.36	0.05	0.13	0.42	0.26	0.27	OSLO
Hf_BGR	0.46	0.30	0.10	0.17	0.36	0.30	0.43	0.43	BERGEN
Hf_BGR	0.38	0.17	-0.10	0.16	-0.08	0.33	0.09	0.31	OSLO
Hg_BGR	0.34	-0.01	0.08	0.17	-0.13	-0.21	0.15	0.51	BERGEN
Hg_BGR	0.45	0.44	0.10	-0.06	0.11	-0.02	-0.02	0.34	OSLO
Ho_BGR	-0.05	0.20	0.05	-0.11	0.57	0.58	0.14	-0.11	BERGEN
Ho_BGR	0.11	0.15	-0.04	0.10	0.42	0.72	0.27	0.14	OSLO
In_BGR	0.03	0.15	-0.07	0.19	0.60	0.53	0.33	0.10	BERGEN

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	F	Rn	TEMP	DEPTH	Ag_BGR	Al	As_BGR	B_BGR	
In_BGR	0.16	0.16	0.04	0.11	0.40	0.36	0.20	0.15	OSLO
I_BGR	0.23	-0.02	0.19	-0.03	0.10	-0.07	0.27	0.55	BERGEN
I_BGR	0.33	0.10	0.03	-0.06	-0.04	-0.11	0.16	0.55	OSLO
K	-0.09	0.29	0.03	-0.06	0.29	0.26	0.36	0.07	BERGEN
K	0.21	0.13	0.01	0.03	0.04	-0.03	0.36	0.61	OSLO
La	0.00	0.10	0.12	0.09	0.63	0.63	0.37	0.08	BERGEN
La	-0.29	-0.13	-0.23	0.08	0.49	0.80	0.10	-0.17	OSLO
Li	0.67	0.39	-0.06	-0.02	-0.05	-0.10	0.21	0.52	BERGEN
Li	0.56	0.26	0.06	0.15	-0.30	-0.21	0.39	0.61	OSLO
Lu_BGR	-0.14	0.29	0.10	-0.09	0.57	0.58	0.18	-0.19	BERGEN
Lu_BGR	0.20	0.30	-0.01	0.12	0.38	0.67	0.21	0.14	OSLO
Mg	-0.21	0.14	-0.01	-0.27	0.03	-0.07	0.23	-0.07	BERGEN
Mg	0.08	0.07	-0.14	-0.09	-0.23	-0.36	0.02	0.24	OSLO
Mn	-0.05	0.07	-0.11	0.03	0.32	0.31	0.37	-0.06	BERGEN
Mn	0.17	0.07	-0.10	0.20	0.11	0.40	0.35	0.35	OSLO
Mo	0.66	0.24	-0.04	0.18	-0.29	-0.19	0.09	0.34	BERGEN
Mo	0.72	0.41	0.12	0.15	-0.54	-0.19	0.23	0.47	OSLO
Na	0.58	0.05	0.17	0.07	-0.02	-0.10	0.35	0.91	BERGEN
Na	0.63	0.05	0.15	0.25	-0.28	-0.03	0.49	0.76	OSLO
Nb_BGR	0.20	0.28	0.07	0.24	0.66	0.68	0.54	0.21	BERGEN
Nb_BGR	0.19	0.19	-0.04	0.10	0.31	0.72	0.37	0.25	OSLO
Nd	0.01	0.10	0.08	0.07	0.63	0.64	0.32	0.06	BERGEN
Nd	-0.31	-0.16	-0.21	0.08	0.50	0.80	0.11	-0.16	OSLO
Ni_BGR	-0.42	-0.04	-0.05	-0.08	0.45	0.46	0.24	-0.49	BERGEN
Ni_BGR	-0.21	-0.08	-0.37	0.12	0.17	0.25	0.25	0.16	OSLO
P_BGR	0.22	0.10	0.05	0.25	0.48	0.38	0.42	0.38	BERGEN
P_BGR	-0.05	-0.02	0.01	0.08	0.31	0.35	0.47	0.42	OSLO
Pb_BGR	-0.30	0.13	0.04	-0.09	0.65	0.68	0.29	-0.39	BERGEN
Pb_BGR	-0.18	-0.06	-0.24	0.14	0.22	0.53	0.18	-0.04	OSLO
Pr_BGR	0.03	0.08	0.06	0.10	0.63	0.63	0.33	0.07	BERGEN
Pr_BGR	-0.28	-0.12	-0.26	0.07	0.49	0.81	0.17	-0.11	OSLO
Rb	0.18	0.09	-0.05	-0.02	0.26	0.35	0.34	-0.09	BERGEN
Rb	0.26	0.27	-0.04	0.01	0.07	0.02	0.36	0.58	OSLO
Sb_BGR	-0.22	0.08	0.39	0.14	0.41	0.48	0.56	-0.16	BERGEN
Sb_BGR	-0.02	-0.09	0.00	0.31	0.25	0.59	0.54	0.40	OSLO
Sc_BGR	0.31	0.41	-0.13	0.10	0.40	0.34	0.28	0.35	BERGEN
Sc_BGR	0.17	0.35	-0.11	-0.11	0.17	0.02	0.09	0.24	OSLO
Se_BGR	0.06	-0.05	0.06	-0.08	0.26	0.06	0.37	0.22	BERGEN
Se_BGR	0.15	0.03	-0.01	0.15	0.01	0.08	0.20	0.41	OSLO
Sm_BGR	-0.02	0.13	0.11	0.04	0.62	0.63	0.31	0.03	BERGEN
Sm_BGR	-0.16	-0.00	-0.10	0.04	0.51	0.78	0.16	-0.08	OSLO
Sn_BGR	-0.10	-0.12	-0.22	-0.14	0.27	0.21	0.10	-0.19	BERGEN
Sn_BGR	0.02	0.04	-0.08	0.19	0.13	0.29	0.29	0.29	OSLO
Sr	0.17	0.04	0.08	-0.26	-0.43	-0.51	-0.00	0.11	BERGEN
Sr	-0.02	-0.12	-0.15	0.04	-0.21	-0.29	0.15	0.20	OSLO
Ta_BGR	0.28	0.02	0.16	0.09	0.38	0.31	0.51	0.38	BERGEN
Ta_BGR	0.42	0.34	0.25	-0.04	0.22	0.23	0.11	0.32	OSLO
Tb_BGR	-0.04	0.17	0.08	-0.05	0.61	0.62	0.24	-0.04	BERGEN
Tb_BGR	-0.05	0.06	-0.09	0.10	0.49	0.76	0.21	0.01	OSLO
Te_BGR	0.14	0.22	-0.20	0.04	0.13	0.04	0.20	0.02	BERGEN
Te_BGR	0.32	0.31	0.17	0.04	0.03	-0.07	0.04	0.22	OSLO
Th_BGR	0.40	0.27	0.12	0.23	0.56	0.49	0.51	0.42	BERGEN
Th_BGR	0.38	0.32	0.05	0.02	0.25	0.62	0.21	0.32	OSLO
Ti_BGR	0.07	0.02	-0.10	0.21	0.69	0.78	0.43	0.08	BERGEN
Ti_BGR	-0.11	-0.27	-0.11	0.13	0.42	0.80	0.46	0.24	OSLO
Tl_BGR	-0.25	-0.02	0.04	-0.02	0.33	0.37	0.15	-0.51	BERGEN
Tl_BGR	0.14	0.19	0.16	-0.13	0.36	0.44	0.02	-0.00	OSLO

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	F	Rn	TEMP	DEPTH	Ag_BGR	Al	As_BGR	B_BGR	
Tm_BGR	-0.09	0.27	0.05	-0.09	0.57	0.58	0.14	-0.16	BERGEN
Tm_BGR	0.20	0.29	0.00	0.10	0.36	0.63	0.21	0.11	OSLO
U	0.43	0.67	0.10	0.18	-0.04	-0.03	0.18	0.24	BERGEN
U	0.75	0.65	-0.10	0.12	-0.42	-0.13	0.17	0.38	OSLO
V_BGR	0.14	0.25	0.17	0.26	0.37	0.44	0.48	0.31	BERGEN
V_BGR	-0.13	-0.35	-0.17	0.16	0.13	0.23	0.64	0.23	OSLO
W_BGR	0.69	0.21	0.06	0.29	-0.09	-0.05	0.23	0.64	BERGEN
W_BGR	0.64	0.29	0.33	0.12	-0.06	0.08	0.30	0.46	OSLO
Y	-0.02	0.27	0.05	-0.17	0.49	0.53	0.08	-0.13	BERGEN
Y	0.11	0.20	-0.14	0.10	0.35	0.66	0.15	0.10	OSLO
Yb_BGR	-0.12	0.27	0.07	-0.11	0.56	0.57	0.14	-0.17	BERGEN
Yb_BGR	0.20	0.25	0.03	0.11	0.37	0.64	0.19	0.14	OSLO
Zn	-0.48	0.15	0.11	-0.11	0.34	0.38	-0.05	-0.47	BERGEN
Zn	-0.20	0.11	-0.24	-0.10	0.14	0.12	-0.04	-0.15	OSLO
Zr_BGR	0.31	0.26	0.12	0.19	0.55	0.41	0.45	0.42	BERGEN
Zr_BGR	0.17	0.05	-0.13	0.20	0.18	0.65	0.38	0.40	OSLO

	F	Rn	TEMP	DEPTH	Ag_BGR	Al	As_BGR	B_BGR

	Ba	Be_BGR	Bi_BGR	Br_BGR	Ca_BGR	Cd_BGR	Ce_BGR	Co_BGR	
Be_BGR	0.12	BERGEN							
Be_BGR	-0.21	OSLO							
Bi_BGR	0.04	0.49	BERGEN						
Bi_BGR	-0.19	0.45	OSLO						
Br_BGR	0.26	-0.12	0.01	BERGEN					
Br_BGR	0.07	-0.00	0.15	OSLO					
Ca_BGR	0.11	-0.08	-0.26	-0.12	BERGEN				
Ca_BGR	0.44	-0.04	-0.11	-0.04	OSLO				
Cd_BGR	-0.14	0.12	0.18	-0.37	0.13	BERGEN			
Cd_BGR	-0.24	0.16	0.31	0.28	-0.08	OSLO			
Ce_BGR	0.24	0.59	0.50	0.32	-0.35	-0.13	BERGEN		
Ce_BGR	-0.07	0.44	0.41	-0.02	-0.22	0.34	OSLO		
Co_BGR	0.28	0.48	0.57	-0.01	-0.01	0.07	0.57	BERGEN	
Co_BGR	0.18	0.24	0.32	0.09	0.27	0.40	0.63	OSLO	
Cr	0.11	0.35	0.52	0.27	-0.08	-0.11	0.39	0.37	BERGEN
Cr	0.13	-0.07	0.19	0.28	0.09	-0.05	-0.17	-0.03	OSLO
Cs	0.04	0.51	0.35	-0.13	0.08	0.01	0.26	0.28	BERGEN
Cs	0.28	0.12	0.21	0.35	0.37	0.10	0.05	0.18	OSLO
Cu	0.23	0.18	0.22	-0.03	0.26	0.21	0.14	0.45	BERGEN
Cu	0.05	0.35	0.17	-0.39	0.03	0.08	0.40	0.39	OSLO
Dy_BGR	0.01	0.64	0.40	0.08	-0.21	-0.06	0.78	0.55	BERGEN
Dy_BGR	-0.07	0.55	0.60	-0.04	-0.18	0.33	0.79	0.56	OSLO
Er_BGR	-0.06	0.62	0.35	0.01	-0.15	-0.05	0.67	0.51	BERGEN
Er_BGR	-0.13	0.58	0.64	-0.00	-0.16	0.34	0.72	0.53	OSLO
Eu_BGR	0.36	0.49	0.42	0.19	-0.21	-0.18	0.81	0.69	BERGEN
Eu_BGR	0.42	0.32	0.25	0.13	-0.08	-0.00	0.39	0.28	OSLO
Fe	0.18	0.58	0.40	0.20	-0.06	-0.05	0.74	0.66	BERGEN
Fe	-0.09	0.26	0.38	0.09	-0.09	0.21	0.61	0.45	OSLO
Ga_BGR	0.13	0.37	0.46	0.29	-0.51	0.06	0.64	0.34	BERGEN
Ga_BGR	-0.12	0.42	0.59	0.26	-0.24	0.44	0.71	0.56	OSLO
Gd_BGR	0.08	0.62	0.46	0.17	-0.25	-0.08	0.88	0.57	BERGEN
Gd_BGR	-0.02	0.54	0.54	-0.10	-0.18	0.28	0.85	0.58	OSLO
Ge_BGR	-0.00	0.20	0.22	0.45	-0.38	-0.31	0.37	-0.13	BERGEN
Ge_BGR	-0.18	0.49	0.54	0.24	-0.29	0.21	0.29	0.06	OSLO
Hf_BGR	0.06	0.44	0.50	0.23	-0.29	-0.02	0.55	0.17	BERGEN
Hf_BGR	-0.03	0.07	0.39	0.23	-0.24	0.22	0.26	0.02	OSLO
Hg_BGR	0.05	-0.31	0.06	0.26	-0.32	-0.19	-0.04	-0.32	BERGEN
Hg_BGR	-0.24	0.31	0.42	0.40	-0.19	0.30	-0.00	-0.07	OSLO

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	Ba	Be_BGR	Bi_BGR	Br_BGR	Ca_BGR	Cd_BGR	Ce_BGR	Co_BGR	
Ho_BGR	-0.04	0.61	0.36	0.07	-0.17	-0.05	0.70	0.53	BERGEN
Ho_BGR	-0.10	0.60	0.65	0.04	-0.20	0.32	0.74	0.50	OSLO
In_BGR	0.13	0.45	0.69	0.12	-0.27	0.10	0.45	0.57	BERGEN
In_BGR	-0.08	0.42	0.59	0.17	-0.10	0.25	0.32	0.32	OSLO
I_BGR	0.04	-0.11	-0.05	0.77	-0.26	-0.24	0.34	-0.09	BERGEN
I_BGR	0.24	-0.10	-0.01	0.78	0.06	0.16	-0.11	0.07	OSLO
K	0.22	0.40	0.39	0.33	0.05	-0.28	0.43	0.39	BERGEN
K	0.24	0.16	0.17	0.44	0.37	0.13	0.07	0.36	OSLO
La	0.25	0.61	0.50	0.25	-0.27	-0.10	0.95	0.61	BERGEN
La	0.03	0.45	0.39	-0.20	-0.13	0.22	0.87	0.57	OSLO
Li	-0.22	0.33	0.09	0.26	0.09	-0.07	0.12	-0.22	BERGEN
Li	0.13	-0.02	0.16	0.55	0.16	0.15	-0.20	-0.02	OSLO
Lu_BGR	-0.04	0.65	0.36	-0.04	-0.09	-0.02	0.59	0.56	BERGEN
Lu_BGR	-0.24	0.64	0.68	0.04	-0.20	0.33	0.66	0.42	OSLO
Mg	0.35	0.19	0.04	0.30	0.64	-0.16	0.10	0.27	BERGEN
Mg	0.54	-0.21	-0.15	0.22	0.83	-0.01	-0.31	0.18	OSLO
Mn	0.11	0.46	0.23	0.17	0.18	-0.13	0.51	0.54	BERGEN
Mn	0.12	0.29	0.36	0.25	0.10	0.11	0.40	0.43	OSLO
Mo	-0.30	0.04	0.06	-0.03	0.05	0.24	-0.21	-0.38	BERGEN
Mo	-0.06	-0.15	0.23	0.38	0.02	0.16	-0.23	-0.20	OSLO
Na	0.14	-0.11	0.02	0.82	-0.37	-0.41	0.23	-0.26	BERGEN
Na	-0.13	-0.17	0.23	0.68	-0.40	0.17	-0.06	-0.14	OSLO
Nb_BGR	0.07	0.64	0.76	0.17	-0.43	-0.02	0.81	0.54	BERGEN
Nb_BGR	-0.28	0.58	0.60	0.26	-0.19	0.41	0.71	0.49	OSLO
Nd	0.18	0.60	0.48	0.23	-0.27	-0.10	0.94	0.59	BERGEN
Nd	0.05	0.44	0.37	-0.19	-0.16	0.20	0.87	0.55	OSLO
Ni_BGR	0.24	0.40	0.47	-0.18	0.36	0.33	0.29	0.72	BERGEN
Ni_BGR	0.22	0.19	0.22	0.10	0.53	0.49	0.36	0.70	OSLO
P_BGR	0.04	0.41	0.50	0.28	-0.49	-0.14	0.60	0.23	BERGEN
P_BGR	-0.08	0.34	0.22	0.37	-0.18	0.34	0.39	0.39	OSLO
Pb_BGR	0.20	0.54	0.62	-0.12	-0.01	0.38	0.40	0.72	BERGEN
Pb_BGR	-0.00	0.28	0.38	-0.13	0.07	0.48	0.55	0.57	OSLO
Pr_BGR	0.20	0.61	0.50	0.24	-0.28	-0.08	0.96	0.59	BERGEN
Pr_BGR	0.02	0.48	0.41	-0.13	-0.14	0.27	0.91	0.61	OSLO
Rb	0.14	0.50	0.34	0.01	0.16	0.09	0.33	0.35	BERGEN
Rb	0.19	0.27	0.24	0.43	0.38	0.25	0.11	0.36	OSLO
Sb_BGR	0.30	0.32	0.46	-0.05	0.11	0.12	0.36	0.53	BERGEN
Sb_BGR	-0.07	0.38	0.47	0.17	-0.15	0.33	0.59	0.47	OSLO
Sc_BGR	-0.10	0.48	0.43	0.22	-0.11	-0.06	0.36	0.24	BERGEN
Sc_BGR	-0.24	0.35	0.19	0.30	0.08	0.41	0.10	0.24	OSLO
Se_BGR	0.24	0.15	0.22	0.55	0.03	0.08	0.28	0.24	BERGEN
Se_BGR	0.01	0.08	0.13	0.53	0.01	0.39	0.09	0.18	OSLO
Sm_BGR	0.18	0.63	0.47	0.21	-0.24	-0.13	0.92	0.61	BERGEN
Sm_BGR	-0.03	0.59	0.51	-0.11	-0.19	0.26	0.83	0.56	OSLO
Sn_BGR	0.26	0.27	0.25	-0.01	0.09	0.41	0.16	0.39	BERGEN
Sn_BGR	0.05	0.16	0.33	0.33	-0.10	0.43	0.31	0.33	OSLO
Sr	0.09	-0.17	-0.34	0.21	0.71	-0.03	-0.34	-0.29	BERGEN
Sr	0.60	-0.20	-0.18	0.19	0.85	-0.09	-0.30	0.09	OSLO
Ta_BGR	0.18	0.21	0.41	0.45	-0.29	0.04	0.47	0.30	BERGEN
Ta_BGR	-0.23	0.61	0.64	0.32	-0.10	0.36	0.24	0.13	OSLO
Tb_BGR	0.08	0.64	0.43	0.14	-0.23	-0.07	0.83	0.57	BERGEN
Tb_BGR	-0.04	0.59	0.60	-0.04	-0.18	0.30	0.81	0.57	OSLO
Te_BGR	0.04	0.37	0.38	0.03	0.09	0.09	0.04	0.23	BERGEN
Te_BGR	-0.12	0.31	0.50	0.30	-0.08	0.20	-0.10	-0.08	OSLO
Th_BGR	0.07	0.58	0.58	0.37	-0.36	-0.11	0.87	0.39	BERGEN
Th_BGR	-0.25	0.53	0.65	0.20	-0.25	0.34	0.59	0.30	OSLO
Ti_BGR	0.02	0.40	0.66	0.19	-0.37	-0.04	0.70	0.54	BERGEN

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	Ba	Be_BGR	Bi_BGR	Br_BGR	Ca_BGR	Cd_BGR	Ce_BGR	Co_BGR	
Ti_BGR	0.00	0.32	0.42	0.15	-0.15	0.26	0.75	0.59	OSLO
Tl_BGR	0.03	0.33	0.32	-0.39	0.21	0.31	0.13	0.51	BERGEN
Tl_BGR	-0.03	0.48	0.65	0.00	-0.08	0.13	0.42	0.30	OSLO
Tm_BGR	-0.07	0.64	0.37	-0.01	-0.11	-0.01	0.65	0.54	BERGEN
Tm_BGR	-0.17	0.66	0.69	0.04	-0.16	0.30	0.65	0.41	OSLO
U	-0.13	0.26	0.15	-0.02	0.14	0.15	0.08	-0.16	BERGEN
U	-0.25	0.09	0.29	0.32	0.07	0.24	-0.18	-0.18	OSLO
V_BGR	0.11	0.36	0.39	0.22	-0.22	-0.18	0.56	0.29	BERGEN
V_BGR	0.12	0.02	0.07	0.18	-0.01	0.02	0.25	0.21	OSLO
W_BGR	-0.12	-0.05	0.12	0.30	-0.31	-0.10	0.02	-0.36	BERGEN
W_BGR	-0.35	0.15	0.45	0.44	-0.30	0.22	0.06	-0.07	OSLO
Y	-0.13	0.59	0.30	-0.00	-0.10	-0.04	0.60	0.44	BERGEN
Y	-0.12	0.51	0.54	-0.03	-0.12	0.30	0.70	0.50	OSLO
Yb_BGR	-0.05	0.63	0.36	0.00	-0.08	-0.06	0.63	0.56	BERGEN
Yb_BGR	-0.19	0.62	0.67	0.06	-0.21	0.33	0.66	0.41	OSLO
Zn	0.06	0.20	0.11	-0.15	0.30	0.11	0.06	0.43	BERGEN
Zn	-0.05	0.18	0.04	-0.15	0.37	0.46	0.17	0.42	OSLO
Zr_BGR	0.14	0.58	0.57	0.37	-0.33	-0.14	0.83	0.36	BERGEN
Zr_BGR	-0.15	0.37	0.49	0.32	-0.21	0.35	0.65	0.40	OSLO

	Ba	Be_BGR	Bi_BGR	Br_BGR	Ca_BGR	Cd_BGR	Ce_BGR	Co_BGR	

	Cr	Cs	Cu	Dy_BGR	Er_BGR	Eu_BGR	Fe	Ga_BGR	
Cs	0.30	BERGEN							
Cs	0.23	OSLO							
Cu	0.10	0.27	BERGEN						
Cu	-0.20	-0.11	OSLO						
Dy_BGR	0.38	0.40	0.14	BERGEN					
Dy_BGR	0.03	0.06	0.43	OSLO					
Er_BGR	0.37	0.41	0.12	0.98	BERGEN				
Er_BGR	0.09	0.08	0.40	0.95	OSLO				
Eu_BGR	0.34	0.26	0.24	0.77	0.70	BERGEN			
Eu_BGR	0.07	0.20	0.28	0.48	0.42	OSLO			
Fe	0.37	0.20	0.24	0.65	0.60	0.73	BERGEN		
Fe	0.22	0.11	0.09	0.54	0.55	0.15	OSLO		
Ga_BGR	0.50	0.13	-0.03	0.48	0.43	0.46	0.51	BERGEN	
Ga_BGR	0.15	0.23	0.20	0.68	0.68	0.35	0.60	OSLO	
Gd_BGR	0.41	0.37	0.16	0.97	0.91	0.81	0.69	0.53	BERGEN
Gd_BGR	-0.09	0.05	0.52	0.93	0.86	0.50	0.51	0.67	OSLO
Ge_BGR	0.42	0.12	-0.31	0.20	0.17	0.15	0.08	0.49	BERGEN
Ge_BGR	0.28	0.18	0.06	0.45	0.50	0.29	0.21	0.51	OSLO
Hf_BGR	0.25	0.17	-0.08	0.28	0.20	0.28	0.31	0.50	BERGEN
Hf_BGR	0.06	0.12	-0.04	0.25	0.29	0.24	0.24	0.38	OSLO
Hg_BGR	0.03	-0.26	-0.27	-0.31	-0.36	-0.17	-0.28	0.16	BERGEN
Hg_BGR	-0.02	0.10	-0.18	0.15	0.21	0.07	-0.03	0.22	OSLO
Ho_BGR	0.38	0.40	0.14	0.99	0.99	0.72	0.62	0.46	BERGEN
Ho_BGR	0.12	0.12	0.40	0.95	0.95	0.46	0.55	0.71	OSLO
In_BGR	0.55	0.32	0.12	0.38	0.35	0.44	0.38	0.55	BERGEN
In_BGR	0.07	0.21	0.15	0.40	0.43	0.27	0.21	0.54	OSLO
I_BGR	0.25	-0.24	-0.13	0.15	0.10	0.13	0.29	0.38	BERGEN
I_BGR	0.21	0.25	-0.41	-0.17	-0.17	0.24	0.04	0.09	OSLO
K	0.51	0.33	0.13	0.43	0.39	0.49	0.45	0.13	BERGEN
K	0.20	0.59	0.04	0.11	0.13	0.20	0.11	0.22	OSLO
La	0.42	0.32	0.23	0.84	0.74	0.84	0.69	0.57	BERGEN
La	-0.19	-0.04	0.53	0.79	0.71	0.48	0.50	0.58	OSLO
Li	0.18	0.46	-0.23	0.08	0.09	-0.10	0.08	0.16	BERGEN
Li	0.30	0.48	-0.40	-0.15	0.10	0.00	-0.01	0.12	OSLO
Lu_BGR	0.38	0.43	0.23	0.91	0.96	0.67	0.62	0.38	BERGEN

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	Cr	Cs	Cu	Dy_BGR	Er_BGR	Eu_BGR	Fe	Ga_BGR	
Lu_BGR	0.12	0.09	0.34	0.89	0.93	0.37	0.52	0.64	OSLO
Mg	0.23	0.18	0.24	0.10	0.09	0.24	0.25	-0.24	BERGEN
Mg	0.25	0.44	-0.19	-0.29	-0.26	0.00	-0.11	-0.20	OSLO
Mn	0.23	0.15	0.09	0.44	0.43	0.43	0.70	0.25	BERGEN
Mn	0.24	0.32	0.16	0.32	0.36	0.23	0.40	0.50	OSLO
Mo	-0.02	0.21	-0.16	-0.21	-0.20	-0.39	-0.35	0.08	BERGEN
Mo	0.47	0.24	-0.47	-0.04	0.06	-0.18	0.13	0.07	OSLO
Na	0.27	-0.14	-0.26	-0.09	-0.15	0.01	0.03	0.35	BERGEN
Na	0.35	0.26	-0.45	-0.07	-0.01	-0.01	0.11	0.28	OSLO
Nb_BGR	0.56	0.43	0.15	0.69	0.61	0.62	0.60	0.71	BERGEN
Nb_BGR	0.06	0.09	0.26	0.69	0.69	0.26	0.57	0.80	OSLO
Nd	0.42	0.34	0.18	0.90	0.81	0.84	0.70	0.57	BERGEN
Nd	-0.18	-0.03	0.55	0.81	0.71	0.49	0.49	0.56	OSLO
Ni_BGR	0.26	0.42	0.59	0.37	0.35	0.43	0.43	0.11	BERGEN
Ni_BGR	-0.10	0.33	0.25	0.33	0.27	0.18	0.28	0.36	OSLO
P_BGR	0.56	0.32	-0.10	0.44	0.37	0.47	0.38	0.51	BERGEN
P_BGR	-0.19	0.14	0.21	0.22	0.22	0.16	0.15	0.45	OSLO
Pb_BGR	0.35	0.21	0.62	0.49	0.50	0.52	0.45	0.33	BERGEN
Pb_BGR	0.05	0.12	0.51	0.57	0.58	0.16	0.51	0.54	OSLO
Pr_BGR	0.40	0.32	0.20	0.87	0.77	0.82	0.70	0.57	BERGEN
Pr_BGR	-0.19	0.01	0.52	0.83	0.75	0.48	0.52	0.62	OSLO
Rb	0.32	0.77	0.27	0.47	0.49	0.36	0.35	0.20	BERGEN
Rb	0.20	0.65	0.06	0.19	0.24	0.17	0.18	0.28	OSLO
Sb_BGR	0.35	0.36	0.68	0.29	0.25	0.43	0.28	0.30	BERGEN
Sb_BGR	0.15	0.25	0.42	0.64	0.65	0.22	0.41	0.64	OSLO
Sc_BGR	0.46	0.36	-0.07	0.26	0.26	0.19	0.43	0.40	BERGEN
Sc_BGR	-0.19	0.09	-0.00	-0.00	0.00	-0.04	-0.00	0.18	OSLO
Se_BGR	0.41	0.20	0.10	0.19	0.15	0.21	0.14	0.25	BERGEN
Se_BGR	0.07	0.24	0.03	0.06	0.08	0.15	-0.00	0.26	OSLO
Sm_BGR	0.43	0.37	0.22	0.92	0.85	0.86	0.70	0.54	BERGEN
Sm_BGR	-0.09	0.02	0.52	0.92	0.85	0.51	0.50	0.66	OSLO
Sn_BGR	0.10	-0.01	0.15	0.05	0.04	0.16	0.28	0.16	BERGEN
Sn_BGR	0.10	0.19	0.19	0.35	0.35	0.14	0.27	0.42	OSLO
Sr	-0.12	0.11	-0.03	-0.30	-0.25	-0.31	-0.22	-0.34	BERGEN
Sr	0.22	0.45	-0.15	-0.32	-0.30	-0.04	-0.10	-0.23	OSLO
Ta_BGR	0.39	0.27	0.13	0.34	0.26	0.35	0.24	0.57	BERGEN
Ta_BGR	0.21	0.24	0.04	0.41	0.47	0.30	0.11	0.40	OSLO
Tb_BGR	0.41	0.37	0.17	0.99	0.95	0.82	0.66	0.51	BERGEN
Tb_BGR	0.00	0.07	0.48	0.96	0.91	0.54	0.51	0.69	OSLO
Te_BGR	0.09	0.30	0.06	0.02	0.03	-0.06	0.10	0.02	BERGEN
Te_BGR	0.07	0.10	-0.05	0.12	0.18	0.11	-0.06	0.15	OSLO
Th_BGR	0.42	0.32	0.04	0.67	0.58	0.62	0.60	0.71	BERGEN
Th_BGR	0.22	0.13	0.15	0.69	0.75	0.28	0.59	0.71	OSLO
Ti_BGR	0.55	0.34	0.08	0.56	0.50	0.61	0.59	0.69	BERGEN
Ti_BGR	0.09	0.15	0.28	0.62	0.59	0.30	0.64	0.78	OSLO
Tl_BGR	0.09	0.51	0.45	0.32	0.35	0.31	0.30	0.07	BERGEN
Tl_BGR	0.18	0.08	0.22	0.66	0.65	0.39	0.35	0.49	OSLO
Tm_BGR	0.37	0.42	0.19	0.96	0.99	0.68	0.62	0.40	BERGEN
Tm_BGR	0.17	0.12	0.32	0.90	0.93	0.41	0.54	0.65	OSLO
U	0.11	0.19	-0.00	0.08	0.08	-0.06	-0.02	0.19	BERGEN
U	0.35	0.25	-0.41	-0.01	0.09	-0.20	0.11	0.11	OSLO
V_BGR	0.55	0.26	0.10	0.38	0.35	0.46	0.56	0.63	BERGEN
V_BGR	0.01	0.28	0.06	-0.07	-0.12	0.07	0.15	0.38	OSLO
W_BGR	0.18	0.03	-0.18	-0.17	-0.18	-0.19	-0.23	0.32	BERGEN
W_BGR	0.30	0.05	-0.26	0.17	0.27	-0.13	0.25	0.34	OSLO
Y	0.33	0.42	0.09	0.96	0.98	0.63	0.54	0.37	BERGEN
Y	0.07	0.08	0.40	0.93	0.94	0.40	0.51	0.58	OSLO

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	Cr	Cs	Cu	Dy_BGR	Er_BGR	Eu_BGR	Fe	Ga_BGR	
Yb_BGR	0.38	0.43	0.18	0.95	0.98	0.69	0.62	0.38	BERGEN
Yb_BGR	0.15	0.08	0.33	0.92	0.94	0.38	0.52	0.66	OSLO
Zn	0.04	0.19	0.70	0.19	0.23	0.26	0.22	-0.14	BERGEN
Zn	-0.14	0.09	0.50	0.17	0.19	-0.03	0.14	0.12	OSLO
Zr_BGR	0.46	0.26	-0.01	0.59	0.49	0.55	0.55	0.61	BERGEN
Zr_BGR	0.12	0.27	0.17	0.58	0.59	0.31	0.55	0.70	OSLO

	Cr	Cs	Cu	Dy_BGR	Er_BGR	Eu_BGR	Fe	Ga_BGR

	Gd_BGR	Ge_BGR	Hf_BGR	Hg_BGR	Ho_BGR	In_BGR	I_BGR	K	
Ge_BGR	0.23	BERGEN							
Ge_BGR	0.39	OSLO							
Hf_BGR	0.38	0.49	BERGEN						
Hf_BGR	0.22	0.30	OSLO						
Hg_BGR	-0.25	0.46	0.27	BERGEN					
Hg_BGR	0.03	0.30	0.28	OSLO					
Ho_BGR	0.93	0.19	0.20	-0.33	BERGEN				
Ho_BGR	0.90	0.55	0.25	0.18	OSLO				
In_BGR	0.42	0.29	0.46	0.10	0.36	BERGEN			
In_BGR	0.37	0.49	0.18	0.33	0.46	OSLO			
I_BGR	0.23	0.42	0.28	0.20	0.15	0.06	BERGEN		
I_BGR	-0.21	0.09	0.20	0.29	-0.13	0.02	OSLO		
K	0.46	0.11	0.31	-0.17	0.40	0.35	0.21	BERGEN	
K	0.06	0.12	0.09	0.14	0.15	0.02	0.38	OSLO	
La	0.94	0.25	0.48	-0.17	0.76	0.47	0.24	0.49	BERGEN
La	0.89	0.21	0.17	-0.11	0.72	0.26	-0.20	-0.05	OSLO
Li	0.06	0.48	0.28	0.04	0.08	0.13	0.18	0.24	BERGEN
Li	-0.24	0.24	0.25	0.37	-0.09	0.18	0.52	0.42	OSLO
Lu_BGR	0.82	0.10	0.15	-0.37	0.95	0.33	0.05	0.39	BERGEN
Lu_BGR	0.79	0.61	0.23	0.22	0.92	0.50	-0.15	0.16	OSLO
Mg	0.11	-0.12	0.06	-0.21	0.09	0.09	0.06	0.64	BERGEN
Mg	-0.31	-0.21	-0.04	-0.08	-0.29	-0.12	0.37	0.50	OSLO
Mn	0.43	0.07	0.22	-0.19	0.43	0.21	0.23	0.32	BERGEN
Mn	0.30	0.34	0.23	0.06	0.37	0.38	0.21	0.41	OSLO
Mo	-0.22	0.25	0.30	0.31	-0.21	0.08	-0.06	-0.17	BERGEN
Mo	-0.22	0.29	0.37	0.28	0.02	0.03	0.23	0.18	OSLO
Na	-0.01	0.65	0.34	0.52	-0.12	0.13	0.64	0.19	BERGEN
Na	-0.16	0.33	0.39	0.35	0.03	0.10	0.49	0.26	OSLO
Nb_BGR	0.75	0.44	0.64	0.00	0.63	0.61	0.24	0.45	BERGEN
Nb_BGR	0.64	0.56	0.33	0.31	0.71	0.47	0.05	0.21	OSLO
Nd	0.98	0.26	0.45	-0.20	0.83	0.45	0.26	0.46	BERGEN
Nd	0.91	0.21	0.16	-0.13	0.73	0.23	-0.20	-0.03	OSLO
Ni_BGR	0.38	-0.32	0.06	-0.35	0.36	0.43	-0.28	0.26	BERGEN
Ni_BGR	0.34	-0.09	-0.04	0.01	0.30	0.14	0.08	0.41	OSLO
P_BGR	0.50	0.52	0.42	0.06	0.38	0.42	0.31	0.39	BERGEN
P_BGR	0.27	0.22	0.11	0.31	0.26	0.17	0.29	0.45	OSLO
Pb_BGR	0.48	-0.12	0.15	-0.24	0.49	0.56	-0.19	0.25	BERGEN
Pb_BGR	0.58	0.16	0.17	-0.08	0.56	0.29	-0.21	0.05	OSLO
Pr_BGR	0.96	0.25	0.47	-0.18	0.80	0.45	0.26	0.46	BERGEN
Pr_BGR	0.93	0.25	0.18	-0.09	0.77	0.29	-0.17	-0.00	OSLO
Rb	0.43	0.08	0.19	-0.31	0.47	0.31	-0.13	0.34	BERGEN
Rb	0.13	0.18	0.11	0.23	0.26	0.15	0.29	0.90	OSLO
Sb_BGR	0.35	-0.15	0.21	-0.20	0.25	0.29	-0.13	0.28	BERGEN
Sb_BGR	0.60	0.43	0.21	0.07	0.67	0.40	-0.16	0.36	OSLO
Sc_BGR	0.27	0.42	0.38	0.07	0.27	0.56	0.23	0.40	BERGEN
Sc_BGR	-0.00	0.06	0.01	0.52	0.02	0.17	0.37	0.26	OSLO
Se_BGR	0.23	0.30	0.33	-0.06	0.17	0.26	0.36	0.38	BERGEN
Se_BGR	0.02	0.19	0.22	0.28	0.10	0.09	0.44	0.34	OSLO

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	Gd_BGR	Ge_BGR	Hf_BGR	Hg_BGR	Ho_BGR	In_BGR	I_BGR	K	
Sm_BGR	0.98	0.24	0.43	-0.22	0.87	0.43	0.23	0.49	BERGEN
Sm_BGR	0.97	0.40	0.19	0.03	0.87	0.38	-0.19	0.03	OSLO
Sn_BGR	0.08	-0.14	0.02	-0.27	0.05	0.28	-0.13	-0.01	BERGEN
Sn_BGR	0.33	0.24	0.32	0.20	0.33	0.20	0.22	0.17	OSLO
Sr	-0.33	-0.00	-0.07	0.01	-0.27	-0.28	0.03	-0.03	BERGEN
Sr	-0.31	-0.19	-0.11	-0.15	-0.30	-0.09	0.25	0.35	OSLO
Ta_BGR	0.42	0.42	0.48	0.11	0.30	0.46	0.43	0.24	BERGEN
Ta_BGR	0.32	0.57	0.17	0.60	0.50	0.50	0.16	0.25	OSLO
Tb_BGR	0.99	0.22	0.32	-0.28	0.96	0.41	0.19	0.46	BERGEN
Tb_BGR	0.96	0.47	0.21	0.10	0.95	0.43	-0.15	0.09	OSLO
Te_BGR	0.02	0.02	0.24	-0.11	0.01	0.23	-0.09	0.17	BERGEN
Te_BGR	0.04	0.40	0.12	0.51	0.19	0.46	0.14	0.06	OSLO
Th_BGR	0.74	0.56	0.76	0.08	0.60	0.52	0.40	0.42	BERGEN
Th_BGR	0.60	0.52	0.55	0.43	0.74	0.41	0.03	0.22	OSLO
Ti_BGR	0.62	0.40	0.41	-0.01	0.52	0.60	0.20	0.39	BERGEN
Ti_BGR	0.64	0.35	0.30	-0.04	0.61	0.33	0.05	0.14	OSLO
Tl_BGR	0.29	-0.43	-0.02	-0.45	0.32	0.29	-0.39	0.12	BERGEN
Tl_BGR	0.61	0.51	0.16	0.31	0.67	0.44	-0.15	0.08	OSLO
Tm_BGR	0.88	0.13	0.19	-0.38	0.98	0.34	0.08	0.38	BERGEN
Tm_BGR	0.80	0.59	0.25	0.27	0.94	0.52	-0.14	0.13	OSLO
U	0.08	0.15	0.31	0.10	0.06	0.20	-0.00	0.22	BERGEN
U	-0.16	0.32	0.30	0.39	0.09	0.23	0.21	0.15	OSLO
V_BGR	0.44	0.32	0.35	-0.02	0.36	0.42	0.33	0.40	BERGEN
V_BGR	0.02	0.04	0.10	-0.09	-0.04	0.10	0.15	0.14	OSLO
W_BGR	-0.16	0.66	0.35	0.71	-0.18	0.14	0.23	-0.09	BERGEN
W_BGR	0.05	0.47	0.25	0.49	0.25	0.28	0.12	0.15	OSLO
Y	0.87	0.14	0.16	-0.36	0.98	0.30	0.08	0.38	BERGEN
Y	0.86	0.43	0.25	0.14	0.93	0.33	-0.15	0.16	OSLO
Yb_BGR	0.87	0.13	0.14	-0.38	0.97	0.33	0.08	0.39	BERGEN
Yb_BGR	0.82	0.56	0.27	0.31	0.95	0.46	-0.13	0.14	OSLO
Zn	0.16	-0.35	-0.18	-0.36	0.22	0.02	-0.17	0.22	BERGEN
Zn	0.21	-0.15	0.01	-0.10	0.12	0.01	-0.10	0.18	OSLO
Zr_BGR	0.68	0.53	0.81	0.12	0.51	0.48	0.40	0.46	BERGEN
Zr_BGR	0.54	0.44	0.69	0.22	0.57	0.31	0.19	0.23	OSLO
	Gd_BGR	Ge_BGR	Hf_BGR	Hg_BGR	Ho_BGR	In_BGR	I_BGR	K	

	La	Li	Lu_BGR	Mg	Mn	Mo	Na	Nb_BGR	
Li	0.05	BERGEN							
Li	-0.37	OSLO							
Lu_BGR	0.65	0.04	BERGEN						
Lu_BGR	0.61	-0.06	OSLO						
Mg	0.15	0.20	0.13	BERGEN					
Mg	-0.31	0.45	-0.30	OSLO					
Mn	0.38	0.17	0.47	0.37	BERGEN				
Mn	0.26	0.31	0.40	0.19	OSLO				
Mo	-0.22	0.53	-0.24	-0.08	-0.20	BERGEN			
Mo	-0.37	0.64	0.13	0.25	0.25	OSLO			
Na	0.09	0.39	-0.20	0.05	0.04	0.20	BERGEN		
Na	-0.30	0.63	0.06	-0.04	0.24	0.65	OSLO		
Nb_BGR	0.78	0.22	0.58	-0.04	0.36	0.03	0.17	BERGEN	
Nb_BGR	0.56	0.09	0.71	-0.21	0.45	0.11	0.21	OSLO	
Nd	0.98	0.06	0.72	0.12	0.42	-0.23	0.07	0.77	BERGEN
Nd	0.99	-0.38	0.61	-0.32	0.24	-0.39	-0.30	0.54	OSLO
Ni_BGR	0.39	-0.19	0.39	0.42	0.38	-0.18	-0.45	0.31	BERGEN
Ni_BGR	0.32	0.09	0.24	0.41	0.25	-0.09	-0.19	0.31	OSLO
P_BGR	0.55	0.29	0.34	-0.06	0.18	-0.06	0.38	0.66	BERGEN
P_BGR	0.22	0.19	0.22	-0.12	0.21	-0.18	0.23	0.51	OSLO

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	La	Li	Lu_BGR	Mg	Mn	Mo	Na	Nb_BGR	
Pb_BGR	0.48	-0.21	0.56	0.19	0.28	-0.16	-0.29	0.47	BERGEN
Pb_BGR	0.58	-0.15	0.52	-0.10	0.29	-0.06	-0.17	0.44	OSLO
Pr_BGR	0.99	0.05	0.68	0.12	0.42	-0.23	0.08	0.78	BERGEN
Pr_BGR	0.97	-0.33	0.66	-0.30	0.29	-0.34	-0.25	0.60	OSLO
Rb	0.38	0.36	0.51	0.28	0.29	0.20	-0.08	0.42	BERGEN
Rb	-0.01	0.45	0.27	0.47	0.42	0.25	0.22	0.28	OSLO
Sb_BGR	0.47	-0.14	0.33	0.21	0.15	-0.07	-0.18	0.48	BERGEN
Sb_BGR	0.45	0.08	0.67	-0.20	0.44	0.08	0.21	0.64	OSLO
Sc_BGR	0.28	0.59	0.26	0.19	0.47	0.18	0.33	0.48	BERGEN
Sc_BGR	-0.02	0.35	0.03	0.16	0.17	-0.03	0.10	0.35	OSLO
Se_BGR	0.30	0.19	0.14	0.33	0.03	0.05	0.29	0.32	BERGEN
Se_BGR	-0.03	0.35	0.09	0.20	0.25	0.16	0.38	0.21	OSLO
Sm_BGR	0.97	0.05	0.78	0.16	0.42	-0.25	0.04	0.77	BERGEN
Sm_BGR	0.90	-0.26	0.77	-0.33	0.28	-0.24	-0.19	0.65	OSLO
Sn_BGR	0.14	-0.06	0.09	0.14	0.20	-0.18	-0.14	0.13	BERGEN
Sn_BGR	0.28	0.09	0.33	-0.03	0.31	0.14	0.24	0.33	OSLO
Sr	-0.34	0.41	-0.21	0.53	-0.00	0.32	0.10	-0.38	BERGEN
Sr	-0.29	0.42	-0.33	0.87	0.16	0.24	-0.06	-0.25	OSLO
Ta_BGR	0.49	0.22	0.21	-0.03	0.11	0.19	0.35	0.65	BERGEN
Ta_BGR	0.18	0.25	0.54	-0.08	0.26	0.20	0.24	0.55	OSLO
Tb_BGR	0.90	0.06	0.88	0.12	0.43	-0.22	-0.04	0.72	BERGEN
Tb_BGR	0.84	-0.17	0.87	-0.30	0.34	-0.14	-0.10	0.69	OSLO
Te_BGR	0.01	0.22	0.09	0.23	0.21	0.11	0.02	0.26	BERGEN
Te_BGR	-0.13	0.34	0.27	-0.03	0.08	0.33	0.27	0.26	OSLO
Th_BGR	0.79	0.36	0.53	0.08	0.41	0.09	0.38	0.85	BERGEN
Th_BGR	0.46	0.16	0.74	-0.18	0.37	0.27	0.28	0.78	OSLO
Ti_BGR	0.65	0.14	0.45	-0.05	0.33	-0.11	0.16	0.80	BERGEN
Ti_BGR	0.61	-0.00	0.54	-0.17	0.41	-0.06	0.14	0.74	OSLO
Tl_BGR	0.27	-0.11	0.39	0.10	0.17	-0.07	-0.58	0.18	BERGEN
Tl_BGR	0.44	-0.04	0.64	-0.12	0.26	0.12	-0.03	0.52	OSLO
Tm_BGR	0.71	0.08	0.98	0.12	0.47	-0.20	-0.17	0.61	BERGEN
Tm_BGR	0.61	0.02	0.94	-0.26	0.37	0.13	0.05	0.70	OSLO
U	0.11	0.50	0.04	0.15	-0.05	0.57	0.09	0.24	BERGEN
U	-0.31	0.63	0.21	0.25	0.25	0.80	0.52	0.22	OSLO
V_BGR	0.53	0.33	0.37	0.09	0.26	-0.03	0.29	0.65	BERGEN
V_BGR	0.09	0.19	-0.13	0.02	0.15	-0.12	0.24	0.24	OSLO
W_BGR	-0.13	0.44	-0.19	-0.17	-0.09	0.62	0.64	0.15	BERGEN
W_BGR	-0.11	0.35	0.35	-0.18	0.22	0.59	0.63	0.40	OSLO
Y	0.68	0.14	0.93	0.10	0.38	-0.14	-0.17	0.55	BERGEN
Y	0.71	-0.12	0.88	-0.21	0.37	0.04	-0.04	0.63	OSLO
Yb_BGR	0.69	0.06	0.98	0.14	0.48	-0.24	-0.17	0.59	BERGEN
Yb_BGR	0.63	-0.04	0.94	-0.30	0.34	0.14	0.08	0.70	OSLO
Zn	0.13	-0.23	0.33	0.32	0.16	-0.29	-0.37	0.00	BERGEN
Zn	0.29	-0.07	0.11	0.20	0.05	-0.15	-0.40	0.14	OSLO
Zr_BGR	0.75	0.26	0.44	0.13	0.41	0.01	0.40	0.82	BERGEN
Zr_BGR	0.46	0.21	0.57	-0.11	0.45	0.20	0.37	0.70	OSLO

	La	Li	Lu_BGR	Mg	Mn	Mo	Na	Nb_BGR

	Nd	Ni_BGR	P_BGR	Pb_BGR	Pr_BGR	Rb	Sb_BGR	Sc_BGR
Ni_BGR	0.37	BERGEN						
Ni_BGR	0.29	OSLO						
P_BGR	0.55	-0.01	BERGEN					
P_BGR	0.23	0.28	OSLO					
Pb_BGR	0.46	0.70	0.16	BERGEN				
Pb_BGR	0.57	0.48	0.16	OSLO				
Pr_BGR	0.99	0.39	0.55	0.47	BERGEN			
Pr_BGR	0.98	0.34	0.27	0.59	OSLO			

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	Nd	Ni_BGR	P_BGR	Pb_BGR	Pr_BGR	Rb	Sb_BGR	Sc_BGR	
Rb	0.40	0.36	0.22	0.31	0.39	BERGEN			
Rb	0.00	0.42	0.43	0.16	0.05	OSLO			
Sb_BGR	0.40	0.57	0.21	0.57	0.42	0.36	BERGEN		
Sb_BGR	0.47	0.35	0.49	0.52	0.51	0.43	OSLO		
Sc_BGR	0.27	0.20	0.34	0.21	0.28	0.21	-0.00	BERGEN	
Sc_BGR	-0.06	0.34	0.51	-0.01	0.00	0.27	-0.00	OSLO	
Se_BGR	0.28	0.16	0.30	0.11	0.28	0.33	0.21	0.09	BERGEN
Se_BGR	-0.05	0.26	0.36	0.03	-0.02	0.37	0.23	0.31	OSLO
Sm_BGR	0.99	0.40	0.53	0.49	0.98	0.42	0.42	0.27	BERGEN
Sm_BGR	0.92	0.29	0.27	0.55	0.94	0.11	0.55	-0.01	OSLO
Sn_BGR	0.10	0.43	0.03	0.48	0.16	0.08	0.13	0.21	BERGEN
Sn_BGR	0.29	0.23	0.28	0.49	0.33	0.22	0.39	0.17	OSLO
Sr	-0.34	-0.05	-0.30	-0.30	-0.34	0.25	-0.11	-0.09	BERGEN
Sr	-0.30	0.37	-0.18	-0.05	-0.28	0.37	-0.15	-0.02	OSLO
Ta_BGR	0.46	0.17	0.37	0.25	0.47	0.32	0.42	0.29	BERGEN
Ta_BGR	0.16	0.13	0.30	0.10	0.21	0.36	0.34	0.39	OSLO
Tb_BGR	0.94	0.38	0.49	0.51	0.92	0.45	0.35	0.25	BERGEN
Tb_BGR	0.85	0.34	0.25	0.57	0.87	0.16	0.63	0.03	OSLO
Te_BGR	-0.00	0.31	0.12	0.23	0.03	0.25	0.21	0.28	BERGEN
Te_BGR	-0.15	0.03	0.15	-0.07	-0.11	0.12	0.19	0.25	OSLO
Th_BGR	0.78	0.16	0.64	0.30	0.80	0.38	0.32	0.46	BERGEN
Th_BGR	0.45	0.15	0.32	0.39	0.50	0.33	0.56	0.20	OSLO
Ti_BGR	0.66	0.28	0.63	0.39	0.66	0.40	0.30	0.46	BERGEN
Ti_BGR	0.60	0.33	0.40	0.51	0.66	0.15	0.54	0.13	OSLO
Tl_BGR	0.26	0.63	-0.10	0.50	0.26	0.48	0.50	0.06	BERGEN
Tl_BGR	0.43	0.15	0.01	0.30	0.46	0.15	0.30	0.05	OSLO
Tm_BGR	0.78	0.38	0.37	0.54	0.75	0.50	0.28	0.27	BERGEN
Tm_BGR	0.61	0.25	0.18	0.51	0.65	0.25	0.64	0.04	OSLO
U	0.07	-0.00	0.02	0.09	0.08	0.18	0.16	0.25	BERGEN
U	-0.34	-0.00	-0.10	-0.05	-0.28	0.30	0.08	0.22	OSLO
V_BGR	0.49	0.11	0.52	0.21	0.51	0.23	0.40	0.54	BERGEN
V_BGR	0.07	0.18	0.40	0.05	0.11	0.07	0.17	0.23	OSLO
W_BGR	-0.14	-0.34	0.19	-0.15	-0.13	-0.01	-0.14	0.34	BERGEN
W_BGR	-0.13	-0.17	0.16	0.01	-0.08	0.21	0.32	0.06	OSLO
Y	0.77	0.32	0.31	0.44	0.72	0.48	0.20	0.26	BERGEN
Y	0.72	0.30	0.16	0.56	0.74	0.26	0.62	-0.02	OSLO
Yb_BGR	0.76	0.39	0.35	0.52	0.72	0.50	0.29	0.27	BERGEN
Yb_BGR	0.64	0.23	0.22	0.50	0.67	0.26	0.65	0.03	OSLO
Zn	0.13	0.54	-0.14	0.53	0.13	0.12	0.44	0.01	BERGEN
Zn	0.27	0.47	0.18	0.49	0.29	0.29	0.17	0.22	OSLO
Zr_BGR	0.74	0.14	0.66	0.25	0.75	0.30	0.30	0.45	BERGEN
Zr_BGR	0.46	0.25	0.38	0.42	0.52	0.26	0.60	0.16	OSLO

	Nd	Ni_BGR	P_BGR	Pb_BGR	Pr_BGR	Rb	Sb_BGR	Sc_BGR

	Se_BGR	Sm_BGR	Sn_BGR	Sr	Ta_BGR	Tb_BGR	Te_BGR	Th_BGR
Sm_BGR	0.26	BERGEN						
Sm_BGR	0.01	OSLO						
Sn_BGR	0.21	0.11	BERGEN					
Sn_BGR	0.33	0.31	OSLO					
Sr	0.25	-0.31	0.00	BERGEN				
Sr	0.13	-0.32	-0.07	OSLO				
Ta_BGR	0.46	0.45	0.11	-0.12	BERGEN			
Ta_BGR	0.22	0.35	0.14	-0.13	OSLO			
Tb_BGR	0.24	0.96	0.06	-0.31	0.39	BERGEN		
Tb_BGR	0.06	0.93	0.34	-0.32	0.43	OSLO		
Te_BGR	0.24	0.02	0.45	0.20	0.21	0.00	BERGEN	
Te_BGR	0.23	0.04	0.12	-0.04	0.57	0.11	OSLO	

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GSC and complete BGR data, hardrock groundwater, JAN.96

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	Se_BGR	Sm_BGR	Sn_BGR	Sr	Ta_BGR	Tb_BGR	Te_BGR	Th_BGR	
Th_BGR	0.38	0.78	0.07	-0.17	0.54	0.71	0.17	BERGEN	
Th_BGR	0.19	0.60	0.27	-0.27	0.56	0.65	0.22	OSLO	
Ti_BGR	0.24	0.63	0.14	-0.39	0.45	0.59	0.08	0.65	BERGEN
Ti_BGR	0.11	0.64	0.29	-0.12	0.19	0.64	-0.05	0.59	OSLO
Tl_BGR	0.01	0.29	0.19	-0.16	0.10	0.30	0.11	0.04	BERGEN
Tl_BGR	0.05	0.59	0.24	-0.15	0.54	0.66	0.38	0.56	OSLO
Tm_BGR	0.14	0.83	0.07	-0.22	0.23	0.93	0.07	0.58	BERGEN
Tm_BGR	0.09	0.78	0.30	-0.27	0.57	0.88	0.31	0.75	OSLO
U	0.01	0.08	-0.03	0.23	0.21	0.07	0.18	0.31	BERGEN
U	0.21	-0.19	0.06	0.19	0.33	-0.08	0.36	0.35	OSLO
V_BGR	0.14	0.51	0.12	-0.14	0.41	0.42	0.03	0.63	BERGEN
V_BGR	0.12	0.03	0.12	0.12	-0.04	-0.00	-0.13	0.05	OSLO
W_BGR	0.05	-0.15	-0.20	0.12	0.23	-0.17	0.04	0.28	BERGEN
W_BGR	0.10	0.03	0.15	-0.14	0.48	0.12	0.40	0.44	OSLO
Y	0.13	0.80	-0.01	-0.20	0.23	0.92	0.02	0.52	BERGEN
Y	0.09	0.81	0.33	-0.26	0.38	0.89	0.10	0.67	OSLO
Yb_BGR	0.14	0.81	0.06	-0.21	0.22	0.91	0.08	0.55	BERGEN
Yb_BGR	0.14	0.81	0.32	-0.32	0.56	0.88	0.28	0.78	OSLO
Zn	-0.01	0.18	0.04	-0.07	-0.17	0.19	0.01	-0.08	BERGEN
Zn	0.07	0.22	0.19	0.15	0.01	0.17	-0.11	0.10	OSLO
Zr_BGR	0.39	0.72	0.03	-0.20	0.48	0.64	0.19	0.92	BERGEN
Zr_BGR	0.36	0.52	0.48	-0.17	0.32	0.56	0.10	0.70	OSLO

	Se_BGR	Sm_BGR	Sn_BGR	Sr	Ta_BGR	Tb_BGR	Te_BGR	Th_BGR

	Ti_BGR	Tl_BGR	Tm_BGR	U	V_BGR	W_BGR	Y	Yb_BGR	
Tl_BGR	0.15	BERGEN							
Tl_BGR	0.39	OSLO							
Tm_BGR	0.48	0.37	BERGEN						
Tm_BGR	0.52	0.68	OSLO						
U	0.03	0.01	0.07	BERGEN					
U	-0.12	0.06	0.22	OSLO					
V_BGR	0.59	0.08	0.35	0.23	BERGEN				
V_BGR	0.45	-0.13	-0.10	-0.08	OSLO				
W_BGR	0.09	-0.44	-0.19	0.34	0.18	BERGEN			
W_BGR	0.15	0.33	0.32	0.51	0.02	OSLO			
Y	0.45	0.35	0.96	0.12	0.29	-0.19	BERGEN		
Y	0.51	0.57	0.88	0.11	-0.22	0.19	OSLO		
Yb_BGR	0.47	0.37	0.99	0.05	0.35	-0.21	0.96	BERGEN	
Yb_BGR	0.54	0.67	0.96	0.20	-0.14	0.33	0.90	OSLO	
Zn	0.06	0.40	0.28	-0.01	-0.03	-0.29	0.21	0.31	BERGEN
Zn	0.14	-0.08	0.10	-0.07	-0.01	-0.22	0.22	0.11	OSLO
Zr_BGR	0.61	-0.04	0.49	0.18	0.54	0.21	0.43	0.46	BERGEN
Zr_BGR	0.66	0.30	0.56	0.19	0.27	0.25	0.54	0.57	OSLO

	Ti_BGR	Tl_BGR	Tm_BGR	U	V_BGR	W_BGR	Y	Yb_BGR

	Zn	
Zr_BGR	-0.08	BERGEN
Zr_BGR	0.11	OSLO

	Zn

Vedlegg 10

Liste en av tre som tilsammen representerer alle bakgrunnsdata for rapporten. De to andre listene er gitt i vedlegg 11 og 12.

Forklaring på de ulike felt-betegnelser:

IDNR:	Prøvenummer. Tallet før underliggende bindestrek angir kommunenummeret
DEPTH:	Dybde av brønnen
YEAR:	Det år brønnen ble etablert
TYPE:	Angivelse av overflategeologien i brønnområdet
TEMP:	Temperatur på vannet før prøvetaking
DATE:	Dato for prøvetaking
F:	Innhold av fluorid (µg/L) målt av UiB og Næringsmiddeltilsynet i nordre Vestfold
Rn:	Innhold av radon (Bq/L) målt av Statens strålevern
MS:	Om prøven er analysert på ICP-MS eller ikke
LITHO:	Angivelse av lithografien med nummerkode
pH:	Angivelse av pH.

IDNR	DEPTH	YEAR	TYPE	TEMP	DATE	F	Rn	MS	LITHO	pH
	m			°C		µg/L	Bq/L			
702_1	33	1978	missing	8.3	10.10.94	0.20	170	N	40	na
702_2	86	missing	missing	8.0	10.10.94	1.00	50	Y	40	na
702_3	22	1980	GRUS_SAND	8.4	10.10.94	0.10	20	N	36	na
702_4	80	1980	FJELL	8.3	10.10.94	0.20	90	N	40_36	na
702_5	40	missing	FJELL	8.3	10.10.94	0.10	50	Y	36	na
702_6	80	1988	FJELL	8.9	10.10.94	0.30	30	N	40_36	na
702_7	70	1993	FJELL	8.8	10.10.94	0.10	20	Y	40_36	na
702_8	85	1988	FJELL_GRUS	7.8	10.10.94	0.20	160	N	35	na
702_9	52	1989	FJELL	9.1	10.10.94	0.20	230	N	35	na
702_10	16	1953	FJELL_SAND	7.4	10.10.94	0.20	250	Y	35	na
702_11	80	1950	missing	9.3	10.10.94	1.00	310	Y	35	na
702_13	40	1943	LEIRE	12.0	10.10.94	0.30	280	N	35	na
702_14	92	1985	FJELL_GRUS	7.7	12.10.94	0.10	30	N	35_36	na
702_15	40	1961	missing	10.3	12.10.94	0.10	30	N	35_36	na
702_16	55	1976	missing	9.7	11.10.94	0.50	130	Y	35	na
702_16B	missing	1971	FJELL	6.8	11.10.94	0.50	120	N	35	na
702_17	58	1968	missing	9.5	11.10.94	0.50	160	N	35	na
702_18	53	1975	FJELL	11.7	11.10.94	0.50	210	N	35_36	na
702_19	49	1970	LEIRE_GRUS	9.5	11.10.94	0.40	240	N	35	na
702_20	52	1973	GRUS	9.3	11.10.94	0.50	250	Y	35	na
702_21	70	1967	FJELL	10.3	11.10.94	0.90	300	N	35	na
702_23	70	1988	missing	8.9	11.10.94	0.30	30	N	36	na
702_24	73	1987	missing	8.4	11.10.94	0.30	30	Y	36	na
702_25	24	1972	FJELL	9.5	11.10.94	0.20	30	N	36	na
702_26	60	1955	missing	11.2	11.10.94	0.30	20	N	36	na
702_27	52	1954	FJELL	9.3	11.10.94	0.60	50	N	36	na
702_28	111	1978	FJELL	8.3	12.10.94	0.07	30	Y	36	na
702_29	96	1970	FJELL	7.4	12.10.94	0.06	30	N	36	na
702_30	130	1978	missing	10.6	13.10.94	0.08	20	N	36	na
702_32	115	1987	missing	7.0	18.10.94	0.10	10	Y	36	na
702_33	50	1981	GRUS	8.7	12.10.94	0.20	260	Y	35	na
702_34	35	1972	GRUS	9.9	12.10.94	0.10	280	Y	35	na
702_35	43	1971	FJELL_GRUS	8.6	12.10.94	0.20	270	N	35	na
702_36	12	1980	FJELL_GRUS	9.1	12.10.94	0.30	330	Y	35	na
702_37	55	1989	missing	7.3	12.10.94	0.30	330	Y	35	na
702_38	30	1958	LEIRE	9.7	12.10.94	0.20	90	N	35	na
702_39	40	1964	LEIRE	9.8	12.10.94	0.80	290	Y	35	na
702_40	70	1979	FJELL	8.5	13.10.94	0.30	260	N	35	na
702_41	30	1978	FJELL	11.5	12.10.94	0.20	200	N	35	na
702_42	50	1991	FJELL	7.4	12.10.94	0.20	210	N	35	na
702_43	36	1963	FJELL_SAND	7.6	12.10.94	0.20	230	N	35	na
702_44	28	1969	missing	9.5	12.10.94	0.10	110	N	35	na
702_45	45	1990	FJELL	11.1	13.10.94	0.20	110	N	35	na
702_46	46	1986	FJELL	8.9	13.10.94	0.08	80	Y	35	na
702_47	50	1981	FJELL	8.4	13.10.94	0.10	160	N	35	na
702_48	49	1984	FJELL	10.7	12.10.94	0.10	120	N	35	na
702_49	45	1981	missing	9.0	13.10.94	0.07	100	N	35	na
702_51	28	1980	missing	11.6	13.10.94	0.10	120	N	35	na
702_52	30	1960	missing	9.3	13.10.94	0.30	150	N	35	na
702_53	80	missing	LEIRE	10.7	13.10.94	0.80	180	N	35	na
702_54	27	1973	FJELL_LEIRE	9.5	13.10.94	0.40	140	N	35	na
702_55	55	1955	LEIRE	9.8	13.10.94	0.30	200	N	35	na
702_56	40	1987	missing	10.0	13.10.94	0.30	250	N	35	na
702_57	56	1970	LEIRE	9.4	13.10.94	0.60	180	N	35	na
702_58	50	1973	FJELL	8.9	13.10.94	0.40	320	Y	35	na
702_59	50	1968	missing	8.4	12.10.94	0.40	210	N	35	na
702_60	16	missing	FJELL	7.7	17.10.94	0.20	140	N	35	na
702_61	20	1990	missing	8.0	17.10.94	0.20	110	N	35	na
702_62	40	1989	FJELL	7.7	17.10.94	0.30	90	N	35	na
702_63	30	1973	FJELL_SAND	10.7	17.10.94	0.30	80	N	35	na
702_64	20	1970	missing	8.5	17.10.94	0.20	150	Y	35	na
702_65	20	1987	FJELL	10.4	17.10.94	0.20	100	N	35	na
702_67	47	1974	GRUS	8.7	17.10.94	0.10	200	N	35	na
702_68	46	1977	SAND_GRUS	8.7	17.10.94	0.08	140	Y	35	na
702_69	111	1974	FJELL	8.5	17.10.94	0.50	100	N	35	na
702_70	69	1962	FJELL	9.3	17.10.94	0.40	220	N	34	na
702_71	40	missing	missing	8.4	13.10.94	0.20	260	Y	34	na
702_73	missing	1982	missing	9.0	17.10.94	0.43	na	N	30	na
702_74	63	1986	FJELL_LEIRE	8.3	17.10.94	0.50	140	Y	30	na
702_75	35	missing	missing	9.3	18.10.94	0.50	170	N	35_36	na
702_76	34	1975	FJELL_GRUS	6.9	18.10.94	0.50	210	Y	34	na
702_77	56	1992	SAND	8.0	18.10.94	0.10	180	Y	35	na
702_78	77	1959	FJELL	7.2	18.10.94	0.10	280	N	35	na
702_79	missing	1983	missing	8.7	18.10.94	0.20	220	N	35	na
702_80	42	1968	missing	8.6	18.10.94	1.10	250	Y	35	na
702_81	49	1981	FJELL_SAND	8.2	18.10.94	0.08	110	Y	35	na
702_82	105	1975	FJELL	8.3	18.10.94	0.10	300	Y	35	na
702_83	92	1994	LEIRE	7.7	18.10.94	0.60	90	Y	35	na
702_84	87	1988	FJELL	8.9	18.10.94	0.50	270	Y	34_35	na

IDNR	DEPTH	YEAR	TYPE	TEMP	DATE	F	Rn	MS	LITHO	pH
702_85	missing	missing	missing	8.3	18.10.94	0.30	190	N	35	na
711_1	47	1987	JORD	missing	missing	2.10	910	N	7	na
711_2	50	1980	JORD	missing	missing	0.60	910	Y	7	na
711_3	72	1979	GRUS	missing	missing	2.30	210	N	7	na
711_4	missing	1982	GRUS	missing	missing	1.80	3670	N	5_7	na
711_5	76	1970	JORD	missing	missing	2.60	1550	N	GRAN5	na
711_6	35	1990	JORD	missing	missing	1.70	740	N	GRAN5	na
711_7	60	missing	JORD	missing	missing	1.80	570	N	GRAN5	na
711_8	30	1966	missing	missing	missing	1.50	1930	N	GRAN5	na
711_9	110	1960	JORD	missing	missing	2.40	600	N	GRAN5	na
711_10	45	1987	GRUS	missing	missing	2.30	1360	N	GRAN5	na
711_11	missing	missing	FJELL	missing	missing	2.60	2300	N	GRAN3	na
711_12	56	1979	JORD	missing	missing	2.40	3130	N	GRAN5	na
711_13	44	1978	GRUS	missing	missing	3.60	1710	Y	GRAN5	na
711_14	90	1981	FJELL	missing	missing	2.00	1300	N	GRAN5	na
711_15	20	1970	GRUS	missing	missing	0.90	490	N	GRAN5	na
711_16	108	1982	GRUS	missing	missing	3.70	960	N	GRAN5	na
711_17	99	1991	GRUS	missing	missing	3.70	3170	N	GRAN5	na
711_18	70	1975	GRUS	missing	missing	1.10	1000	N	GRAN5	na
711_19	80	1993	GRUS	missing	missing	3.20	6840	Y	GRAN5	na
711_20	33	1965	JORD	missing	missing	0.90	470	N	GRAN5	na
711_21	40	1983	GRUS	missing	missing	1.80	2980	N	GRAN5	na
711_22	90	1994	GRUS	missing	missing	7.10	1510	Y	GRAN5	na
711_23	75	1981	GRUS	missing	missing	2.20	3300	N	GRAN5	na
711_24	missing	missing	JORD	missing	missing	1.10	1070	N	GRAN5	na
711_25	80	1989	GRUS	missing	missing	2.30	900	N	GRAN5	na
711_26	missing	missing	GRUS	missing	missing	2.40	2460	N	GRAN5	na
711_27	45	1975	missing	missing	missing	1.90	5330	Y	GRAN5	na
711_28	80	1982	JORD	missing	missing	1.60	3250	Y	GRAN5	na
711_29	100	1952	JORD	missing	missing	2.40	860	Y	GRAN5	na
711_30	42	1979	JORD	missing	missing	2.10	1870	N	GRAN5	na
711_31	20	missing	JORD	missing	missing	4.20	1820	N	GRAN5	na
711_32	100	1988	GRUS	missing	missing	2.80	1410	N	GRAN5	na
711_33	96	1974	JORD	missing	missing	1.50	2150	N	GRAN5	na
711_34	47	1960	GRUS	missing	missing	1.70	1330	N	GRAN5	na
711_35	100	1992	JORD	missing	missing	2.40	1920	N	GRAN5	na
711_36	40	1974	GRUS	missing	missing	3.00	1450	N	GRAN5	na
711_37	missing	1984	GRUS	missing	missing	3.10	850	N	GRAN5	na
711_38	81	1981	JORD	missing	missing	3.00	980	N	GRAN5	na
711_39	45	1968	JORD	missing	missing	0.80	640	N	GRAN5	na
711_40	40	1978	GRUS	missing	missing	2.20	1000	N	GRAN5	na
711_41	25	1974	GRUS	missing	missing	2.20	370	N	GRAN5	na
711_42	60	1985	JORD	missing	missing	0.10	50	Y	5_7	na
711_43	missing	missing	missing	missing	missing	3.00	800	Y	8	na
711_44	40	1965	JORD	missing	missing	0.10	870	Y	8	na
716_1	110	1947	FJELL	9.7	19/10/94	0.18	110	N	35	na
716_2	60	1955	FJELL	7.4	19/10/94	0.33	250	N	35	na
716_3	60	missing	FJELL	10.5	19/10/94	0.13	210	Y	35	na
716_6	35	missing	FJELL_LEIRE	8.2	19/10/94	0.82	180	N	35	na
716_8	30	1978	FJELL	9.4	19/10/94	0.15	250	Y	35	na
716_9	40	1976	FJELL_LEIRE	9.6	19/10/94	0.15	210	N	35	na
716_11	80	missing	FJELL	8.2	19/10/94	2.50	80	Y	35	na
716_12	80	1940	FJELL	9.0	19/10/94	3.80	160	Y	35	na
716_13	97	1992	FJELL	8.2	31/10/94	0.19	280	N	35	na
716_14	80	1962	FJELL	10.8	31/10/94	0.16	270	N	35	na
716_16	70	missing	FJELL	6.9	21/11/94	0.13	na	N	35	na
716_17	missing	1974	FJELL_LEIRE	8.0	31/10/94	0.11	200	N	35	na
716_18	70	missing	FJELL_LEIRE	8.1	31/10/94	0.16	250	N	35	na
716_19	60	1964	FJELL_LEIRE	7.8	31.10.94	0.19	230	N	35	na
716_20	40	1955	FJELL	7.1	21/11/94	0.23	na	N	35	na
716_22	35	1967	FJELL	9.5	31/10/94	0.12	140	Y	35	na
716_23	65	1963	FJELL	8.0	31/10/94	0.12	70	Y	35	na
716_26	55	1952	FJELL	8.1	31/10/94	0.06	70	Y	35	na
716_27	35	1953	FJELL	7.3	19/10/94	0.28	170	N	35	na
716_28	60	missing	FJELL	8.5	19/10/94	0.13	330	Y	35	na
716_33	36	missing	FJELL	8.5	09/11/94	0.38	110	N	35	na
716_35	27	1982	FJELL	8.7	09/11/94	0.31	200	N	35	na
716_36	22	1956	FJELL	6.1	14/11/94	0.39	200	N	35	na
716_37	missing	missing	FJELL	7.3	14/11/94	0.89	na	N	35	na
716_38	missing	missing	FJELL	11.1	14/11/94	0.86	310	Y	35	na
716_39	67	1965	FJELL	8.5	15/11/94	0.34	210	N	35	na
716_40	30	1978	FJELL	7.7	15/11/94	1.28	360	Y	35	na
716_41	19	1978	FJELL	8.3	15/11/94	0.19	na	N	35	na
716_42	19	1970	FJELL	8.6	15/11/94	0.39	na	N	35	na
716_45	34	1965	FJELL	8.3	14/11/94	0.33	na	N	35	na
716_46	13	1975	FJELL	7.9	14/11/94	0.32	170	N	35	na
716_47	70	1970	FJELL	8.7	31/10/94	0.12	170	Y	35	na
716_49	30	missing	FJELL	8.4	31/10/94	0.10	70	N	35	na
716_51	35	1978	FJELL	10.7	09/11/94	0.48	110	N	35	na
716_52	30	1973	FJELL	8.4	23/11/94	0.16	190	N	35	na
716_53	35	missing	FJELL	7.1	23/11/94	0.11	90	N	35	na

IDNR	DEPTH	YEAR	TYPE	TEMP	DATE	F	Rn	MS	LITHO	pH
716_54	30	1964	FJELL	9.8	23/11/94	0.26	120	N	35	na
716_58	20	1980	FJELL	8.0	01/12/94	0.40	230	N	35	na
716_61	30	missing	FJELL	7.2	01/12/94	0.09	90	Y	35	na
716_63	45	1982	FJELL	5.1	01/12/94	0.12	na	N	35	na
716_64	60	1991	FJELL	8.1	01/12/94	0.36	na	N	35	na
716_65	30	1985	FJELL	8.9	01/12/94	0.10	na	N	35	na
716_68	30	1980	FJELL	10.2	01/12/94	0.18	na	N	35	na
716_69	60	missing	FJELL	5.3	01/12/94	0.11	70	Y	35	na
716_70	missing	missing	FJELL	9.1	21/11/94	0.36	150	Y	35	na
716_77	35	1952	FJELL	7.3	09/11/94	0.21	300	N	35	na
716_79	missing	missing	FJELL	5.0	21/11/94	0.21	na	N	35	na
716_80	40	1966	FJELL_SAND	8.8	09/11/94	0.35	290	N	35	na
716_81	35	1955	FJELL	6.5	29/11/94	0.52	150	N	35	na
716_83	missing	1986	FJELL	9.7	29/11/94	0.20	na	N	35	na
716_86	missing	missing	missing	7.7	09/11/94	0.54	220	N	35	na
716_87	50	1952	FJELL	7.7	09/11/94	0.17	170	N	35	na
716_88	60	1987	FJELL_LEIRE	8.2	14/11/94	0.96	300	N	35	na
716_89	49	1974	FJELL	7.6	19/10/94	0.34	210	N	35	na
716_90	70	missing	FJELL	8.4	19/10/94	0.50	260	N	35	na
716_91	60	missing	FJELL	7.4	19/10/94	0.18	110	Y	35	na
716_92	37	1969	FJELL	9.0	03/11/94	1.15	490	N	35	na
716_94	60	1952	FJELL	11.2	07/11/94	4.25	190	Y	13_35	na
716_95	80	1953	FJELL	8.0	09/11/94	0.18	230	N	35	na
716_96	50	1957	FJELL	7.3	19/10/94	0.46	170	N	35	na
716_99	60	1952	FJELL	8.5	07/11/94	0.11	280	Y	35	na
716_100	50	1960	FJELL	8.3	14/11/94	0.39	130	N	35	na
716_102	40	1950	FJELL	7.6	03/11/94	0.49	155	N	35	na
716_103	24	1955	FJELL	9.1	03/11/94	1.55	300	Y	35	na
716_105	46	1956	FJELL	8.9	03/11/94	0.21	120	Y	35	na
716_107	42	1967	GRUS_SAND	9.9	03/11/94	0.24	150	Y	35	na
716_108	42	1950	FJELL	8.6	03/11/94	0.54	370	Y	35	na
716_110	47	missing	FJELL	8.9	14/11/94	0.27	170	N	35	na
716_112	missing	1940	FJELL	7.0	14/11/94	0.51	na	N	35	na
716_114	43	1990	FJELL	8.7	14/11/94	0.62	110	N	35	na
716_115	60	1990	FJELL	8.9	14/11/94	0.48	na	N	35	na
716_117	65	1989	FJELL	8.1	14/11/94	0.39	120	N	35	na
716_118	52	1951	FJELL	7.7	03/11/94	1.65	330	Y	35	na
716_122	60	1982	FJELL_GRUS	12.6	01/11/94	3.14	130	Y	35	na
716_125	40	1953	FJELL	8.3	01/11/94	0.65	330	Y	35	na
716_126	50	1974	FJELL	9.2	07/11/94	0.37	280	Y	35	na
716_127	40	1950	FJELL	7.7	01/11/94	0.14	170	N	35	na
716_128	70	1969	FJELL	9.2	07/11/94	0.35	230	N	35	na
716_131	40	1953	FJELL	7.2	07/11/94	0.51	170	Y	35	na
716_132	75	missing	FJELL	9.4	07/11/94	0.42	220	N	35	na
716_133	40	1982	FJELL	8.6	07/11/94	0.26	250	N	35	na
716_136	50	missing	FJELL	8.7	10/11/94	0.68	340	N	35	na
716_137	40	1952	FJELL	7.3	09/11/94	0.25	170	Y	35	na
716_138	94	1967	FJELL	7.5	09/11/94	0.39	190	N	35	7.7
716_139	60	1964	FJELL	7.8	14/11/94	0.23	na	N	35	7.3
716_140	missing	1974	FJELL	6.5	21/11/94	0.30	na	N	35	na
716_141	55	1950	FJELL	6.7	30/11/94	0.41	na	N	35	na
716_143	45	1980	FJELL	6.8	03/11/94	0.47	180	Y	35	na
716_146	60	1985	FJELL	5.6	24/11/94	0.25	na	Y	35	na
716_147	50	1976	FJELL	9.7	03/11/94	0.16	210	N	35	7.3
716_148	43	1968	FJELL	8.4	03/11/94	0.15	120	N	35	na
716_152	70	1960	LOESM	6.5	16/11/94	0.15	na	N	35	na
716_153	49	1970	FJELL	9.1	16/11/94	0.32	na	N	35	7.5
716_156	56	missing	FJELL	8.8	10/11/94	0.45	190	N	35	na
716_158	60	1960	FJELL	8.5	21/11/94	0.24	220	N	35	7.3
716_159	missing	missing	FJELL	5.7	16/11/94	0.14	180	Y	35	7.5
716_160	35	missing	FJELL	7.1	16/11/94	0.58	na	N	35	na
716_161	60	1969	FJELL	5.8	23/11/94	0.11	270	N	35	7.0
716_162	missing	missing	FJELL	7.9	23/11/94	0.13	na	N	35	na
716_163	40	1979	FJELL	8.6	23/11/94	0.47	140	N	35	7.6
716_165	50	1982	FJELL	8.7	23/11/94	0.17	na	N	35	na
716_166	46	1989	FJELL	6.8	23/11/94	0.09	520	N	35	na
716_167	50	1969	FJELL	6.7	29/11/94	0.38	150	Y	35	7.5
716_171	missing	missing	FJELL	7.0	29/11/94	0.17	290	Y	35	na
716_176	52	1970	FJELL_GRUS	6.7	23/11/94	0.09	na	N	35	6.8
716_177	missing	1974	FJELL	7.1	29/11/94	1.19	260	Y	35	8.3
716_182	58	1985	FJELL	8.8	31/10/94	0.30	180	N	36	na
716_184	40	1960	FJELL	8.1	31/10/94	0.84	230	N	36	7.6
716_188	60	missing	FJELL	9.8	31/10/94	0.13	60	N	35_36	7.6
716_190	60	1963	FJELL	7.6	08/11/94	0.25	30	Y	35	na
716_191	56	1959	FJELL	8.0	08/11/94	0.47	40	N	35	7.7
716_192	60	1979	FJELL	8.4	31/10/94	0.28	40	N	35_36	7.9
716_193	60	1973	FJELL	8.2	08/11/94	0.40	60	N	35_36	na
716_195	37	missing	FJELL	9.7	08/11/94	0.12	30	N	35	na
716_196	missing	missing	FJELL	8.3	08/11/94	0.26	20	N	35	na
716_197	80	missing	LEIRE	6.9	08/11/94	0.48	40	Y	35_36	na
716_198	100	1973	FJELL	9.1	01/11/94	0.09	170	N	35	na

IDNR	DEPTH	YEAR	TYPE	TEMP	DATE	F	Rn	MS	LITHO	pH
716_201	38	1990	FJELL	8.6	01/11/94	0.11	40	N	36	na
716_203	40	1963	FJELL	8.8	01/11/94	0.15	20	N	36	na
716_204	80	1974	FJELL	8.8	01/11/94	0.08	50	N	36	7.8
716_206	60	1967	FJELL	8.7	01/11/94	0.10	50	N	35	na
716_207	42	1942	FJELL_GRUS	8.0	01/11/94	0.10	30	Y	35	na
716_208	64	1959	FJELL	10.7	01/11/94	0.07	30	N	36	na
716_209	50	1978	FJELL	9.4	01/11/94	0.21	40	N	36	na
716_213	32	1974	FJELL	8.8	08/11/94	0.18	30	N	35_36	7.1
716_214	36	1990	FJELL	8.4	08/11/94	0.24	40	N	35_36	na
716_215	76	1978	FJELL_GRUS	7.0	08/11/94	0.35	110	Y	35	na
716_216	43	1981	FJELL	8.5	22/11/94	0.07	90	N	35	6.5
716_217	missing	1984	FJELL	7.7	08/11/94	0.11	200	N	35	8.0
716_220	39	1969	FJELL_LEIRE	9.1	30/11/94	0.17	200	N	35	7.8
716_221	59	1955	FJELL	5.5	30/11/94	0.15	na	Y	35	na
716_223	42	1950	FJELL	7.3	30/11/94	0.08	200	N	35	7.6
716_224	40	1975	FJELL	7.6	15/11/94	0.12	na	N	35	na
716_226	45	1952	FJELL	6.9	15/11/94	0.33	250	N	35	na
716_227	45	1982	FJELL_LEIRE	7.4	22/11/94	1.24	130	N	35	8.2
716_228	50	1963	FJELL	8.5	24/11/94	0.78	na	N	35	8.1
716_229	97	missing	FJELL	5.6	22.11.94	0.55	230	Y	35	na
716_231	48	1950	FJELL	7.2	16/11/94	0.39	200	N	35	na
716_232	30	1940	FJELL	8.6	16/11/94	0.52	na	N	35	na
716_234	40	1977	FJELL	6.9	21/11/94	0.17	na	Y	35	na
716_237	70	1963	FJELL	6.3	30/11/94	0.13	330	N	35	na
716_239	55	1952	FJELL	5.3	30/11/94	0.11	na	Y	35	na
716_240	missing	1971	FJELL	12.2	15/11/94	0.21	na	N	35	na
716_241	51	1960	FJELL	8.0	15/11/94	0.96	120	N	35	na
716_243	110	1988	FJELL	8.6	15/11/94	0.37	na	N	35	na
716_244	65	1960	FJELL	8.6	15/11/94	0.20	90	N	35	na
716_247	42	1949	FJELL	7.7	30/11/94	0.19	250	N	35	7.8
716_249	52	1952	FJELL	6.2	30/11/94	0.34	na	Y	35	na
716_252	68	1956	FJELL	8.8	16/11/94	0.21	na	N	35	7.6
716_254	36	1950	FJELL	6.7	16/11/94	0.78	170	N	35	7.9
716_255	40	1941	FJELL	6.6	16/11/94	0.74	290	Y	35	na
716_256	60	1964	FJELL	7.0	16/11/94	0.87	220	N	35	na
716_258	40	1947	FJELL	8.0	07/11/94	0.53	210	N	35	7.6
716_261	70	1970	FJELL	7.7	22/11/94	0.23	250	N	35	7.5
716_262	50	1951	FJELL	4.9	22/11/94	na	na	Y	35	na
716_263	53	missing	FJELL_LEIRE	12.9	02/11/94	0.34	110	N	35	7.1
716_268	90	1964	FJELL	8.5	23/11/94	0.13	160	Y	35	na
716_269	40	missing	FJELL	9.0	24/11/94	0.08	na	N	35	na
716_270	85	1981	FJELL_GRUS	8.9	24/11/94	0.20	130	N	35	na
716_271	56	1985	FJELL	8.9	02/11/94	0.22	170	N	35	7.6
716_273	40	1980	FJELL	9.8	02/11/94	0.22	300	N	35	na
716_276	40	1984	FJELL	8.0	02/11/94	0.40	400	N	35	na
716_277	90	1992	FJELL	8.0	02/11/94	0.20	150	N	35	7.2
716_278	100	1965	FJELL	6.7	01/11/94	0.11	160	Y	35	na
716_280	30	1951	FJELL	14.0	24/11/94	0.17	na	N	35	7.3
716_281	45	missing	FJELL	7.4	24/11/94	0.33	320	N	35	8.0
716_282	60	1972	FJELL	7.0	24/11/94	0.18	170	N	35	7.0
716_285	52	1989	FJELL	6.7	21/11/94	0.27	120	N	35	7.7
716_286	36	1968	FJELL	5.9	21/11/94	0.12	na	N	35	na
716_287	36	1978	FJELL	8.4	21/11/94	0.13	180	N	35	6.8
716_288	missing	1973	FJELL	6.8	21/11/94	0.12	na	Y	35	na
716_290	45	1968	FJELL	9.1	10/11/94	0.21	na	N	35	na
716_291	32	1975	FJELL_GRUS	9.7	10/11/94	0.22	90	N	35	7,3
716_292	87	missing	FJELL	8.0	02/11/94	0.57	na	Y	35	7.8
716_295	30	1984	FJELL	10.0	10/11/94	0.35	na	N	35	na
716_296	80	missing	FJELL	8.8	10/11/94	0.18	120	N	35	na
716_297	25	1966	FJELL	9.0	23/11/94	0.71	na	N	35	na
716_298	80	missing	FJELL	8.4	10/11/94	0.20	na	N	35	na
716_300	40	1975	FJELL	7.8	10/11/94	0.38	na	Y	35	na
716_305	60	1989	FJELL	10.7	23/11/94	0.57	100	N	35	na
716_306	37	1988	FJELL	5.6	16/11/94	0.18	180	Y	MISSO	na
716_313	50	1989	FJELL_LOESS	7.7	01/12/94	0.15	190	Y	MISSO	na
716_317	missing	1952	FJELL_LOESS	5.3	17/11/94	0.38	120	Y	35	na
716_318	32	1955	FJELL	6.9	30/11/94	0.13	na	N	35	na
716_320	missing	1972	FJELL	8.9	21/11/94	0.14	na	N	35	na
716_321	38	1974	FJELL	6.4	23/11/94	0.22	220	N	35	na
716_322	60	1965	FJELL	8.1	02/11/94	0.43	160	N	35	na
716_327	missing	missing	missing	7.4	28/11/94	0.42	280	Y	MISSO	na
716_332	28	1991	FJELL	8.8	10/11/94	1.17	220	N	35	na
716_334	33	missing	FJELL	7.2	24/11/94	0.10	na	Y	35	na
1201_1	60	1974	missing	9.2	23.01.95	1.08	880	Y	21	7.31
1201_2	94	1970	missing	8.4	23.01.95	1.05	470	Y	21	7.65
1201_3	120	1981	missing	8.4	24.01.95	0.65	430	Y	21	7.44
1201_4	missing	missing	missing	7.4	24.01.95	0.87	550	Y	21	8.08
1201_5	120	1981	missing	8.5	24.01.95	1.25	760	Y	21	8.49
1201_8	120	1987	missing	8.6	23.01.95	9.18	520	Y	21_30	8.96
1201_9	85	1982	missing	7.6	23.01.95	5.55	800	Y	MISSB	8.60
1201_10	85	1987	missing	9.5	23.01.95	1.27	30	Y	21_30	7.64

IDNR	DEPTH	YEAR	TYPE	TEMP	DATE	F	Rn	MS	LITHO	pH
1201_11	missing	missing	missing	7.1	23.01.95	2.93	1720	Y	MISSB	8.80
1233_1	120	1993	missing	6.2	21.01.95	0.03	20	Y	63	5.75
1233_2	92	1988	missing	6.8	21.01.95	1.12	150	Y	242	6.63
1233_3	120	1992	missing	5.6	21.01.95	1.70	540	Y	242	7.13
1233_4	43	1987	missing	8.6	21.01.95	2.04	730	Y	242	7.74
1233_5	111	1992	missing	5.6	21.01.95	1.17	250	Y	242	7.23
1233_6	120	1993	missing	6.0	21.01.95	0.21	70	Y	242	5.83
1233_7	92	1972	missing	10.5	21.01.95	0.48	1460	Y	242	7.67
1233_8	50	1965	missing	8.5	21.01.95	0.12	750	Y	242	5.90
1233_9	missing	missing	missing	6.5	21.01.95	0.04	140	Y	63	7.07
1233_10	81	1987	missing	5.9	21.01.95	2.27	340	Y	63	7.76
1243_1	64	1978	missing	8.0	23.01.95	0.04	190	Y	21_54	7.20
1243_2	82	1978	missing	6.6	23.01.95	0.03	30	Y	21	6.84
1243_4	91	1971	missing	9.2	24.01.95	0.07	5	Y	21_54	7.72
1243_5	91	1980	missing	9.4	24.01.95	0.09	70	Y	21	7.24
1243_6	73	1973	missing	9.5	24.01.95	0.04	5	Y	21_54	7.75
1245_1	90	1978	missing	8.5	30.01.95	2.22	610	Y	184	8.86
1245_2	100	1981	missing	9.0	30.01.95	7.50	190	Y	184	9.11
1245_3	102	1982	missing	8.4	30.01.95	2.17	450	Y	184_166	8.95
1246_1	108	1986	missing	8.5	30.01.95	0.94	300	Y	184	8.82
1246_2	120	1986	missing	7.5	30.01.95	5.01	110	Y	184	9.03
1246_3	111	1983	missing	9.5	30.01.95	3.02	200	Y	184	8.75
1246_4	82	1978	missing	7.0	30.01.95	1.92	40	Y	184	7.91
1246_5	59	1976	missing	8.8	06.02.95	1.88	150	Y	184	7.65
1246_6	99	1980	missing	8.0	06.02.95	0.28	50	Y	184	6.92
1246_7	100	1987	missing	8.7	06.02.95	0.30	30	Y	184	6.96
1246_8	100	1985	missing	8.7	06.02.95	0.41	3880	Y	184	7.07
1246_9	75	1982	missing	8.4	06.02.95	3.11	20	Y	184	8.13
1246_10	80	1994	missing	9.0	06.02.95	5.70	90	Y	184_166	9.02
1246_11	82	1987	missing	11.0	06.02.95	2.41	50	Y	184_166	8.78
1247_1	79	1977	missing	6.5	26.01.95	1.36	490	Y	184	7.90
1247_2	129	1983	missing	6.9	26.01.95	0.94	1020	Y	184	7.92
1247_3	55	1979	missing	8.2	26.01.95	0.30	490	Y	184	6.34
1247_4	91	1979	missing	8.2	26.01.95	0.85	580	Y	184_166	7.08
1247_5	42	1980	missing	8.2	26.01.95	0.20	30	Y	184	6.87
1247_6	78	1983	missing	7.3	26.01.95	3.10	610	Y	184_166	8.19
1247_7	97	1981	missing	6.9	26.01.95	1.44	190	Y	184_166	7.92
1247_8	85	1970	missing	7.3	26.01.95	1.21	490	Y	184_166	8.52
1247_9	90	1973	missing	7.4	26.01.95	0.05	210	Y	184	6.80
1247_10	102	1974	missing	12.0	26.01.95	0.06	110	Y	184	6.78
1266_1	98	1976	missing	5.1	28.01.95	0.09	230	Y	184	6.70
1266_2	111	1983	missing	8.0	28.01.95	0.83	180	Y	184	7.19
1266_3	105	1983	missing	7.5	28.01.95	1.61	270	Y	184	7.97
1266_4	115	1980	missing	4.2	28.01.95	1.05	80	Y	172	7.01
1266_5	85	1976	missing	6.3	28.01.95	2.25	10	Y	184	8.66
1266_6	75	1979	missing	5.6	28.01.95	1.00	110	Y	175	8.84
1266_7	60	1980	missing	8.2	28.01.95	0.20	110	Y	184	7.52
1266_8	101	1983	missing	7.5	28.01.95	0.73	150	Y	184	7.65
1266_9	58	1981	missing	7.0	28.01.95	1.77	60	Y	175	7.81
1266_10	75	1989	missing	6.3	28.01.95	0.16	130	Y	175	8.04

Vedlegg 11

Liste to av tre som tilsammen representerer alle bakgrunnsdata for rapporten. De to andre listene er gitt i vedlegg 10 og 12. Alle analyser er utført av GSC. Elementnavnet er gitt i øverste rad. Raden som inneholder D.L. angir deteksjonsgrensen for de enkelte elementene.

Sample	Li 7	Be 9	Al 27	V 51	Cr 52	Fe 54	Mn 55	Co 59	Ni 60	Cu 65	Zn 66	Rb 85	Sr 88
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.005	0.005	2	0.1	0.1	5	0.1	0.02	0.1	0.1	0.5	0.05	0.5
702_2	4.468	< 0.005	7	1.0	1.2	8	4.1	0.02	< 0.1	1.8	2.9	3.03	94.1
702_5	1.364	0.036	56	0.7	1.4	1529	220.5	0.91	2.9	52.5	19.9	3.49	381.6
702_7	13.276	< 0.005	< 2	0.3	1.3	9	5.2	< 0.02	0.3	14.7	7.5	2.38	1870.9
702_10	1.170	< 0.005	< 2	1.0	1.1	6	0.4	< 0.02	< 0.1	1.7	17.5	0.88	471.7
702_11	11.982	0.046	9	1.7	1.7	< 5	53.8	< 0.02	< 0.1	9.2	23.7	2.41	1513.3
702_16	0.910	0.025	< 2	1.2	0.9	< 5	0.6	0.02	0.8	25.6	254.1	2.70	364.8
702_20	3.325	0.022	5	1.5	1.1	10	45.6	< 0.02	< 0.1	6.2	38.3	1.31	331.6
702_24	2.345	< 0.005	< 2	6.7	0.8	8	33.0	< 0.02	< 0.1	21.3	3.5	0.39	545.4
702_28	0.701	< 0.005	4	0.9	1.0	24	27.7	< 0.02	0.3	133.7	147.8	0.64	878.3
702_32	2.030	0.035	58	2.2	0.6	49	4.3	0.09	1.5	8.1	7.3	1.19	248.7
702_33	0.745	0.014	2	0.4	0.8	8	1.6	< 0.02	< 0.1	6.7	14.8	0.72	220.2
702_34	0.670	0.009	< 2	0.2	0.5	16	0.9	0.17	< 0.1	12.1	130.1	0.48	171.5
702_36	1.396	< 0.005	15	0.6	0.8	6	9.4	< 0.02	< 0.1	13.0	12.5	0.70	404.7
702_37	9.685	0.006	< 2	0.5	1.5	6	10.1	< 0.02	< 0.1	2.6	209.4	1.71	829.9
702_39	15.334	0.023	< 2	1.0	1.2	5	0.3	< 0.02	< 0.1	11.2	144.1	1.90	419.6
702_46	0.491	0.064	7	0.2	0.5	27	1.4	< 0.02	< 0.1	25.3	70.7	1.00	105.9
702_58	8.563	0.011	2	0.7	1.4	< 5	11.6	< 0.02	< 0.1	19.0	10.3	2.47	603.4
702_64	0.670	< 0.005	3	0.4	0.7	11	0.5	< 0.02	< 0.1	4.7	26.5	0.52	219.2
702_68	1.288	0.086	9	0.3	0.3	10	0.9	< 0.02	< 0.1	37.3	38.0	2.03	429.4
702_71	2.648	0.049	3	1.3	0.3	< 5	0.4	0.04	0.2	119.8	95.4	0.68	303.8
702_74	0.740	0.014	3	0.2	0.5	14	2.4	< 0.02	< 0.1	8.0	18.0	0.86	137.1
702_76	1.621	0.068	64	0.4	0.5	26	9.3	0.12	0.3	15.2	9.8	2.18	273.7
702_77	1.623	0.023	9	0.7	0.3	23	0.6	< 0.02	0.1	7.3	16.6	0.34	187.7
702_80	13.441	0.006	< 2	3.7	0.7	28	0.2	< 0.02	< 0.1	7.9	11.4	0.86	489.4
702_81	0.559	0.040	10	0.3	0.4	21	12.2	< 0.02	0.5	65.4	83.3	2.39	275.6
702_82	1.126	0.016	3	0.5	0.6	8	2.8	< 0.02	< 0.1	44.3	12.1	1.63	482.5
702_83	7.517	0.017	16	4.3	0.8	933	13.6	0.04	1.0	1.2	2.6	0.82	1162.7
702_84	5.375	0.005	< 2	0.4	0.8	5	0.4	< 0.02	0.1	5.5	9.6	3.83	540.4
711_2	0.786	0.071	42	< 0.1	0.4	207	7.5	< 0.02	0.1	10.7	66.6	1.43	137.7
711_13	3.340	0.036	6	0.2	0.8	11	241.1	< 0.02	0.1	19.8	21.0	4.29	126.8
711_19	5.234	0.483	21	0.3	0.9	83	92.5	< 0.02	0.2	39.7	18.5	5.14	155.1
711_22	8.069	0.122	58	0.6	1.6	54	54.0	0.04	1.0	6.6	62.4	5.68	61.2
711_27	11.221	0.201	< 2	0.2	1.0	39	40.3	< 0.02	< 0.1	1.2	183.3	6.96	481.3
711_28	2.646	2.209	74	0.1	0.3	188	17.3	0.06	0.8	44.8	145.7	2.88	93.6
711_31	7.603	0.082	2	0.3	0.7	54	7.6	< 0.02	0.5	31.2	285.9	6.12	122.7
711_42	0.361	0.062	112	< 0.1	0.1	< 5	7.0	0.03	0.6	84.7	19.9	0.74	33.8
711_43	24.620	0.022	6	0.2	0.4	37	4.6	< 0.02	0.2	3.1	40.3	1.19	191.4
711_44	0.424	0.285	371	0.7	2.0	816	13.6	0.36	1.7	120.4	179.4	1.42	21.3
716_3	2.624	0.130	8	1.5	0.3	9	0.7	< 0.02	< 0.1	60.3	178.3	4.59	280.6
716_8	7.945	0.532	36	1.4	0.4	24	55.3	0.06	0.2	60.8	28.4	6.99	258.1
716_11	8.563	0.829	351	5.1	0.9	674	57.9	0.25	0.7	7.6	46.5	2.08	58.8
716_12	11.214	0.011	29	1.3	0.6	33	19.6	0.03	< 0.1	2.2	1.7	2.15	59.2
716_22	0.675	0.147	8	0.9	0.5	9	0.3	0.06	< 0.1	80.0	35.5	1.67	170.0
716_23	3.217	0.047	3	3.0	0.5	5	2.0	< 0.02	< 0.1	25.8	15.4	1.42	313.5
716_26	1.175	0.137	40	1.4	0.6	27	22.8	0.09	0.6	41.3	178.4	7.70	260.3
716_28	15.893	0.276	4	3.6	0.4	< 5	62.3	0.03	0.2	12.4	7.4	6.85	512.6
716_38	7.589	0.027	5	1.5	0.9	9	0.2	< 0.02	< 0.1	9.4	10.4	3.45	645.1
716_40	14.212	0.086	< 2	2.6	0.6	< 5	157.4	< 0.02	< 0.1	13.3	27.1	10.51	398.5
716_47	3.932	0.237	12	1.7	0.4	22	54.6	< 0.02	< 0.1	9.5	40.9	2.52	272.9

Sample	Li 7	Be 9	Al 27	V 51	Cr 52	Fe 54	Mn 55	Co 59	Ni 60	Cu 65	Zn 66	Rb 85	Sr 88
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.005	0.005	2	0.1	0.1	5	0.1	0.02	0.1	0.1	0.5	0.05	0.5
716_61	2.025	0.248	188	1.2	0.3	109	45.9	0.08	2.1	32.9	41.5	2.24	124.5
716_69	0.959	0.191	105	1.0	0.4	25	38.8	< 0.02	0.1	48.2	548.6	0.85	224.3
716_70	8.180	0.046	37	0.8	0.5	28	156.5	< 0.02	0.1	62.6	73.8	2.81	364.4
716_91	1.222	0.078	11	0.4	0.2	9	9.2	0.03	1.1	262.6	212.2	5.33	306.2
716_94	14.203	0.024	3	< 0.1	0.6	< 5	31.0	< 0.02	< 0.1	4.3	46.6	3.58	489.6
716_99	1.264	0.864	182	0.4	0.3	88	4.5	0.09	0.4	72.5	66.2	1.41	61.6
716_103	3.916	0.008	9	0.4	0.4	7	0.5	0.03	< 0.1	18.1	347.9	2.15	665.2
716_105	1.448	0.048	28	1.4	0.7	15	2.3	0.08	0.4	28.4	20.6	0.83	1.6
716_107	2.294	0.015	< 2	0.2	0.4	< 5	1.2	0.22	< 0.1	9.6	78.8	1.01	254.4
716_108	0.559	0.007	4	0.4	0.3	7	0.1	< 0.02	< 0.1	5.2	3.3	0.24	1.1
716_118	5.199	0.032	< 2	0.3	0.5	< 5	0.2	< 0.02	< 0.1	5.5	39.1	1.61	468.8
716_122	9.324	0.008	11	0.6	3.3	115	217.5	0.10	< 0.1	0.6	0.7	3.26	320.4
716_125	16.431	0.021	16	0.5	0.7	9	259.9	< 0.02	< 0.1	4.7	19.9	1.88	1722.6
716_126	2.040	< 0.005	6	0.2	0.3	7	0.7	< 0.02	< 0.1	14.8	2.8	0.14	0.9
716_131	8.551	< 0.005	< 2	0.1	0.3	< 5	0.8	< 0.02	< 0.1	3.3	268.4	2.12	289.0
716_137	7.821	0.191	85	1.9	0.6	135	113.3	0.66	< 0.1	18.5	183.7	5.37	1009.3
716_143	6.387	0.010	9	1.2	0.5	14	0.7	< 0.02	< 0.1	2.4	155.1	5.48	804.0
716_146	6.935	0.019	3	0.8	0.6	117	2.2	< 0.02	< 0.1	8.8	443.0	4.29	756.9
716_159	0.339	0.008	5	0.2	0.3	< 5	0.2	< 0.02	< 0.1	4.1	11.0	1.18	215.2
716_167	3.986	0.028	5	1.7	0.3	15	7.3	< 0.02	< 0.1	2.4	20.2	0.98	852.1
716_171	1.498	0.018	< 2	0.7	0.2	26	19.3	0.62	< 0.1	34.6	142.5	17.10	182.9
716_177	5.226	0.006	2	6.7	0.5	13	2.8	< 0.02	< 0.1	0.8	1.5	4.06	647.6
716_190	0.949	0.017	52	4.9	0.6	41	6.5	0.08	0.1	50.5	50.9	0.89	208.1
716_197	1.153	0.014	167	11.4	0.6	267	46.3	0.25	0.4	4.7	21.7	1.00	84.4
716_207	1.551	< 0.005	45	5.4	0.5	50	1.5	0.21	0.7	48.6	778.2	4.02	350.3
716_215	1.766	0.053	68	1.4	0.3	10	1.9	0.02	0.1	10.3	20.2	0.80	439.4
716_221	7.812	0.012	54	0.5	0.5	52	1.0	< 0.02	< 0.1	11.4	53.9	2.11	784.9
716_229	2.604	< 0.005	4	0.4	0.2	< 5	11.0	< 0.02	< 0.1	20.0	64.4	1.03	361.6
716_234	0.698	0.129	4	0.1	0.2	< 5	0.2	< 0.02	< 0.1	9.1	9.9	0.49	211.1
716_239	6.210	0.022	9	5.1	0.3	16	6.2	< 0.02	< 0.1	27.6	146.0	1.95	1012.3
716_249	13.295	0.009	< 2	1.2	0.4	11	47.1	< 0.02	< 0.1	1.1	11.5	2.27	597.4
716_255	7.917	< 0.005	6	0.8	0.5	54	16.3	< 0.02	< 0.1	3.7	11.1	3.26	485.6
716_262	2.415	0.113	43	0.3	0.3	42	56.3	< 0.02	0.2	24.1	26.3	2.05	227.2
716_268	3.892	0.014	2	0.6	0.3	< 5	1.0	< 0.02	< 0.1	3.9	64.1	0.73	170.6
716_278	6.701	0.105	123	2.7	0.5	31	2975.0	0.42	3.1	1332.0	1324.5	2.10	515.8
716_288	1.335	< 0.005	< 2	0.5	0.3	< 5	0.6	0.10	< 0.1	9.3	10.9	0.83	298.5
716_292	10.876	< 0.005	26	2.4	0.3	15	1.1	< 0.02	< 0.1	9.4	28.4	1.10	123.7
716_300	8.230	< 0.005	5	2.3	0.2	6	21.0	< 0.02	< 0.1	1.1	3.4	1.35	405.2
716_306	0.868	0.032	57	0.5	0.3	70	5.8	0.05	0.2	35.1	437.5	0.90	175.8
716_313	1.224	0.146	7	0.3	0.1	6	26.8	0.02	< 0.1	52.7	581.9	1.07	162.9
716_317	7.975	< 0.005	3	0.7	0.2	152	7.5	< 0.02	< 0.1	6.5	873.8	4.29	671.3
716_327	8.056	0.085	6	1.2	0.2	14	4.6	< 0.02	< 0.1	1.4	3.6	2.83	517.7
716_334	0.427	0.184	66	0.2	< 0.1	23	5.5	0.11	0.2	59.4	70.3	1.09	20.7
1201_1	5.460	0.079	28	< 0.1	0.1	168	18.0	< 0.02	< 0.1	71.9	104.3	3.85	272.1
1201_2	8.402	0.016	22	0.1	0.1	11	17.2	< 0.02	< 0.1	85.0	61.5	2.63	189.3
1201_3	6.130	0.090	25	0.2	1.7	433	170.1	0.13	< 0.1	44.3	29.4	4.94	164.6
1201_4	10.077	1.235	2537	6.8	5.9	4190	301.8	4.85	6.9	39.0	18.5	10.09	19.8
1201_5	7.027	0.008	12	1.8	0.8	19	2.1	< 0.02	< 0.1	9.2	6.4	2.48	149.1
1201_8	3.217	0.022	12	0.1	0.5	29	1.4	0.02	0.1	9.1	1.7	2.04	25.8

Sample	Li 7	Be 9	Al 27	V 51	Cr 52	Fe 54	Mn 55	Co 59	Ni 60	Cu 65	Zn 66	Rb 85	Sr 88
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.005	0.005	2	0.1	0.1	5	0.1	0.02	0.1	0.1	0.5	0.05	0.5
1201_9	3.086	0.018	3	0.2	0.8	< 5	74.5	0.02	2.2	6.9	4.6	1.90	44.4
1201_10	2.640	0.041	13	0.3	1.0	94	1179.5	0.24	1.3	18.4	39.1	2.30	75.3
1201_11	2.452	0.011	33	0.2	0.6	40	2.1	0.03	0.3	3.1	2.6	2.48	13.6
1233_1	0.187	0.014	62	< 0.1	0.2	17	6.2	0.65	1.5	25.2	21.7	1.95	15.3
1233_2	6.690	0.061	114	0.2	0.2	35	91.0	0.19	3.1	40.1	51.4	3.27	67.8
1233_3	16.052	0.348	51	0.4	0.5	25	1.3	< 0.02	0.6	5.5	53.5	8.98	92.4
1233_4	18.366	0.007	33	1.1	0.5	46	3.4	0.03	< 0.1	21.2	3.0	9.38	218.8
1233_5	10.494	0.022	72	0.4	0.8	120	26.3	0.07	0.2	13.6	24.2	7.29	76.2
1233_6	2.819	0.239	1266	2.1	3.0	2084	47.4	0.87	3.0	65.1	64.0	11.77	22.2
1233_7	12.825	< 0.005	3	0.7	0.6	12	2.5	< 0.02	< 0.1	4.0	31.4	6.01	419.7
1233_8	1.126	0.667	132	< 0.1	0.2	250	69.2	0.53	0.9	86.6	237.6	4.00	88.6
1233_9	0.306	< 0.005	3	0.1	0.3	7	0.2	< 0.02	< 0.1	0.4	0.6	0.44	50.4
1233_10	20.792	< 0.005	6	0.1	0.6	19	40.8	< 0.02	< 0.1	0.5	2.1	4.90	578.6
1243_1	2.154	< 0.005	4	0.2	0.9	11	1.1	0.02	< 0.1	18.8	11.2	0.85	91.5
1243_2	0.538	< 0.005	8	< 0.1	0.9	15	1.5	0.06	0.3	23.1	23.1	5.55	44.8
1243_4	0.602	< 0.005	22	0.3	1.1	24	23.7	0.03	0.5	19.4	93.8	0.97	140.0
1243_5	0.195	< 0.005	83	0.2	0.8	104	3.3	0.13	0.7	64.7	49.9	4.62	100.6
1243_6	1.347	< 0.005	12	0.7	0.9	17	0.8	0.06	0.2	113.2	64.5	1.71	143.9
1245_1	5.326	0.017	22	0.7	1.4	28	2.3	0.04	< 0.1	2.4	1.3	2.34	79.3
1245_2	4.585	0.014	16	0.3	0.5	13	1.8	< 0.02	< 0.1	0.4	10.8	2.73	40.8
1245_3	4.648	0.012	29	0.5	0.3	35	1.8	0.04	0.2	5.6	2.6	2.47	31.6
1246_1	3.347	< 0.005	7	0.2	0.6	26	15.3	< 0.02	0.4	2.5	1.0	1.31	26.9
1246_2	4.761	0.013	24	1.1	0.7	28	3.0	0.03	0.1	0.9	0.7	2.37	98.1
1246_3	4.709	0.008	34	2.5	0.7	39	0.3	< 0.02	< 0.1	10.3	1.9	1.89	76.8
1246_4	59.641	0.085	2	0.8	1.0	218	16.6	0.03	< 0.1	1.0	0.7	7.29	930.9
1246_5	4.283	< 0.005	12	0.1	0.1	59	1.3	< 0.02	< 0.1	19.3	13.2	1.44	216.6
1246_6	2.588	0.006	3	0.4	0.4	1345	726.3	0.15	< 0.1	2.7	1.8	3.59	131.3
1246_7	0.402	0.009	177	0.6	0.6	139	3.9	0.17	1.7	55.0	8.9	4.27	40.2
1246_8	3.886	0.022	8	0.6	0.6	34	33.1	0.03	0.2	29.7	68.3	4.14	173.8
1246_9	21.513	0.024	7	0.2	0.7	51	70.7	0.02	< 0.1	18.5	< 0.5	6.14	626.1
1246_10	4.802	0.032	16	0.2	0.4	15	0.7	< 0.02	0.1	5.2	2.0	1.49	41.3
1246_11	3.143	0.021	72	0.9	0.6	42	4.6	0.11	0.4	16.3	5.3	2.42	43.1
1247_1	5.855	0.021	59	0.6	0.6	119	8.1	0.08	0.3	15.6	20.7	2.87	45.2
1247_2	4.308	0.042	217	1.5	1.2	466	67.3	0.24	0.8	7.7	6.9	2.45	11.7
1247_3	4.422	0.167	93	5.7	1.0	5323	229.6	0.08	1.0	51.1	74.0	3.20	71.1
1247_4	5.602	0.065	155	0.9	0.8	749	52.4	0.12	0.3	1.2	4.1	2.07	13.2
1247_5	0.867	< 0.005	9	< 0.1	0.1	82	1.7	0.08	0.9	24.7	31.9	3.70	31.6
1247_6	4.381	0.096	16	0.7	0.8	96	64.7	0.02	< 0.1	1.0	< 0.5	3.41	132.4
1247_7	4.051	0.105	66	0.8	1.3	399	22.0	0.09	0.5	33.2	77.5	4.47	60.3
1247_8	4.582	0.030	17	0.4	0.9	111	86.1	0.03	0.1	1.4	6.9	2.40	45.1
1247_9	1.420	0.015	79	0.3	0.6	119	9.9	0.31	0.4	227.9	269.2	2.53	61.1
1247_10	1.293	0.023	177	0.7	0.8	370	30.4	0.22	2.3	134.8	269.4	2.84	44.9
1266_1	2.848	0.012	30	0.6	0.4	1249	339.9	0.66	0.3	1.7	68.5	1.02	58.0
1266_2	2.434	0.010	29	1.0	0.2	501	73.8	0.10	< 0.1	6.0	2.6	1.83	100.5
1266_3	4.101	0.008	14	0.1	0.3	23	11.2	< 0.02	< 0.1	9.6	8.3	2.73	149.6
1266_4	2.257	0.010	3	0.5	0.3	157	13.3	< 0.02	< 0.1	16.8	6.1	2.32	87.1
1266_5	1.520	0.007	4	< 0.1	0.2	< 5	6.6	< 0.02	< 0.1	0.7	2.7	2.24	87.1
1266_6	3.275	< 0.005	16	< 0.1	0.2	25	3.1	< 0.02	< 0.1	0.7	0.9	1.20	39.9
1266_7	4.266	0.032	71	4.3	0.5	346	103.1	0.09	0.2	3.4	16.2	1.37	19.4

Sample	Li 7	Be 9	Al 27	V 51	Cr 52	Fe 54	Mn 55	Co 59	Ni 60	Cu 65	Zn 66	Rb 85	Sr 88
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.005	0.005	2	0.1	0.1	5	0.1	0.02	0.1	0.1	0.5	0.05	0.5
1266_8	9.548	< 0.005	6	0.3	0.5	11	0.7	< 0.02	< 0.1	8.5	84.9	0.65	50.1
1266_9	4.596	< 0.005	19	< 0.1	0.9	36	2.6	< 0.02	0.1	12.5	65.0	2.41	508.8
1266_10	2.564	< 0.005	58	0.3	0.3	129	24.3	0.06	< 0.1	0.4	3.6	3.49	141.1

Sample	Y 89	Mo 98	Ag 107	Cd 114	In 115	Sb 121	Cs 133	Ba 138	La 139	Ce 140	Pr 141	Nd 146	Sm 147
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.01	0.05	0.05	0.05	0.01	0.01	0.01	0.2	0.01	0.01	0.005	0.005	0.005
702_2	0.52	18.60	< 0.05	< 0.05	< 0.01	0.78	1.10	67.3	0.06	0.13	0.023	0.119	0.024
702_5	1.07	7.02	< 0.05	< 0.05	< 0.01	0.24	0.82	237.1	1.05	2.73	0.322	1.339	0.309
702_7	0.09	7.80	< 0.05	< 0.05	< 0.01	0.12	0.24	89.1	0.01	< 0.01	< 0.005	0.023	0.007
702_10	0.01	0.79	< 0.05	< 0.05	< 0.01	0.02	0.08	23.1	0.02	< 0.01	0.006	0.028	< 0.005
702_11	0.01	4.16	< 0.05	< 0.05	< 0.01	0.03	0.37	42.6	< 0.01	< 0.01	< 0.005	0.008	< 0.005
702_16	0.01	0.56	< 0.05	< 0.05	< 0.01	0.02	0.21	11.4	0.03	< 0.01	0.007	0.032	< 0.005
702_20	< 0.01	1.97	< 0.05	< 0.05	< 0.01	0.02	0.22	15.7	0.02	0.02	< 0.005	0.026	< 0.005
702_24	< 0.01	0.96	< 0.05	< 0.05	< 0.01	0.02	0.05	20.8	< 0.01	< 0.01	< 0.005	< 0.005	< 0.005
702_28	0.08	1.33	< 0.05	< 0.05	< 0.01	0.05	0.21	38.6	0.06	0.05	0.016	0.071	0.013
702_32	0.35	5.59	< 0.05	< 0.05	< 0.01	0.36	0.28	71.2	0.24	0.45	0.085	0.377	0.088
702_33	0.02	0.64	< 0.05	< 0.05	< 0.01	0.02	0.05	23.1	0.22	0.05	0.052	0.212	0.026
702_34	0.01	0.61	< 0.05	< 0.05	< 0.01	0.01	0.04	26.1	0.11	< 0.01	0.021	0.087	0.012
702_36	0.02	2.17	< 0.05	< 0.05	< 0.01	0.02	0.03	51.3	0.03	0.05	0.007	0.029	0.007
702_37	0.03	40.02	< 0.05	< 0.05	< 0.01	0.02	0.12	52.3	0.06	< 0.01	0.010	0.040	< 0.005
702_39	0.14	1.69	< 0.05	< 0.05	< 0.01	0.02	0.23	68.9	0.04	< 0.01	0.009	0.044	0.013
702_46	0.10	0.07	< 0.05	< 0.05	< 0.01	0.05	0.06	110.0	0.24	0.07	0.071	0.306	0.053
702_58	0.05	2.64	< 0.05	< 0.05	< 0.01	0.02	0.18	138.7	0.06	0.03	0.015	0.064	0.010
702_64	0.02	0.86	< 0.05	< 0.05	< 0.01	< 0.01	0.04	54.7	0.03	0.01	0.006	0.029	< 0.005
702_68	0.12	0.15	< 0.05	< 0.05	< 0.01	0.04	0.16	81.7	0.16	0.07	0.046	0.198	0.040
702_71	0.02	1.71	< 0.05	< 0.05	< 0.01	0.03	0.08	20.7	0.03	0.02	0.010	0.045	0.007
702_74	0.04	0.50	< 0.05	< 0.05	< 0.01	< 0.01	0.02	3.1	0.04	0.04	0.009	0.043	0.007
702_76	0.65	0.87	< 0.05	< 0.05	< 0.01	0.03	0.21	36.8	1.49	1.75	0.299	1.140	0.173
702_77	0.01	0.49	< 0.05	< 0.05	< 0.01	0.02	0.01	17.2	0.03	0.04	0.005	0.029	0.005
702_80	< 0.01	21.66	< 0.05	< 0.05	< 0.01	0.02	0.09	23.0	0.01	0.01	< 0.005	0.008	< 0.005
702_81	0.14	0.50	< 0.05	< 0.05	< 0.01	0.04	0.12	84.8	0.14	0.06	0.045	0.201	0.036
702_82	0.04	0.84	< 0.05	< 0.05	< 0.01	0.05	0.14	167.9	0.03	0.02	< 0.005	0.027	0.008
702_83	0.03	4.76	< 0.05	< 0.05	< 0.01	0.03	0.13	57.2	0.26	0.43	0.056	0.202	0.018
702_84	0.02	15.02	< 0.05	< 0.05	< 0.01	0.02	0.35	36.2	< 0.01	< 0.01	< 0.005	0.007	< 0.005
711_2	0.86	2.04	< 0.05	< 0.05	< 0.01	0.04	0.07	16.7	0.10	0.04	0.034	0.144	0.045
711_13	0.52	98.54	< 0.05	0.16	< 0.01	0.03	0.13	0.6	0.08	0.10	0.016	0.066	0.016
711_19	1.14	26.23	< 0.05	< 0.05	< 0.01	0.42	0.10	1.8	0.26	0.49	0.066	0.290	0.065
711_22	1.34	289.38	< 0.05	0.06	< 0.01	0.58	0.32	0.7	0.18	0.36	0.044	0.168	0.040
711_27	0.28	95.88	< 0.05	0.08	< 0.01	0.05	0.42	0.7	< 0.01	< 0.01	< 0.005	< 0.005	< 0.005
711_28	2.04	17.08	< 0.05	0.14	< 0.01	0.16	0.13	4.6	0.51	0.24	0.119	0.508	0.105
711_31	0.22	39.39	< 0.05	< 0.05	< 0.01	0.13	0.39	0.3	0.01	0.02	< 0.005	0.012	0.006
711_42	0.29	0.07	< 0.05	0.08	< 0.01	0.13	0.01	6.8	0.20	0.18	0.044	0.179	0.028
711_43	0.49	95.25	< 0.05	< 0.05	< 0.01	0.02	0.03	0.3	0.03	0.04	0.008	0.043	0.008
711_44	7.52	0.54	< 0.05	0.28	< 0.01	0.16	0.02	10.7	5.35	7.96	1.655	6.501	1.355
716_3	0.07	0.12	< 0.05	< 0.05	< 0.01	0.13	0.18	2.8	0.13	0.15	0.035	0.156	0.025
716_8	0.07	0.37	< 0.05	< 0.05	< 0.01	0.16	0.04	176.7	0.17	0.26	0.046	0.202	0.042
716_11	1.90	1.30	< 0.05	< 0.05	< 0.01	0.10	0.31	3.3	2.20	3.87	0.547	2.156	0.390
716_12	0.10	2.87	< 0.05	< 0.05	< 0.01	0.02	1.61	6.1	0.16	0.39	0.042	0.164	0.023
716_22	0.08	0.15	< 0.05	< 0.05	< 0.01	0.06	0.11	0.9	0.15	0.08	0.037	0.169	0.023
716_23	0.02	0.23	< 0.05	< 0.05	< 0.01	0.04	0.25	4.6	0.02	0.03	< 0.005	0.022	< 0.005
716_26	0.12	0.16	< 0.05	0.07	< 0.01	0.31	0.44	27.1	0.43	0.88	0.120	0.454	0.058
716_28	0.03	1.08	< 0.05	< 0.05	< 0.01	0.18	0.58	130.7	0.02	0.02	0.005	0.025	0.007
716_38	0.04	0.87	< 0.05	< 0.05	< 0.01	0.01	1.03	148.1	0.03	0.07	0.007	0.028	< 0.005
716_40	0.13	1.64	< 0.05	< 0.05	< 0.01	0.02	1.30	177.1	0.02	0.01	< 0.005	0.025	0.007
716_47	0.03	0.41	< 0.05	< 0.05	< 0.01	0.04	0.62	0.7	0.09	0.22	0.027	0.107	0.012

Sample	Y 89	Mo 98	Ag 107	Cd 114	In 115	Sb 121	Cs 133	Ba 138	La 139	Ce 140	Pr 141	Nd 146	Sm 147
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.01	0.05	0.05	0.05	0.01	0.01	0.01	0.2	0.01	0.01	0.005	0.005	0.005
716_61	0.42	0.09	< 0.05	< 0.05	< 0.01	0.09	0.62	5.4	1.46	2.13	0.381	1.470	0.252
716_69	0.20	0.30	< 0.05	0.30	< 0.01	0.08	0.17	2.7	1.15	0.99	0.333	1.228	0.135
716_70	0.07	1.55	< 0.05	< 0.05	< 0.01	0.05	0.39	68.8	0.19	0.15	0.039	0.152	0.025
716_91	0.33	0.14	< 0.05	0.06	< 0.01	0.10	0.96	132.7	1.07	0.10	0.338	1.620	0.304
716_94	0.07	82.00	< 0.05	< 0.05	< 0.01	0.04	0.25	50.4	0.02	0.03	< 0.005	0.021	0.005
716_99	0.48	0.12	< 0.05	< 0.05	< 0.01	0.06	0.19	20.7	1.44	2.77	0.524	2.186	0.382
716_103	0.07	7.57	< 0.05	< 0.05	< 0.01	0.02	0.13	112.3	0.13	0.08	0.038	0.155	0.028
716_105	0.28	0.31	< 0.05	< 0.05	< 0.01	0.22	0.03	0.8	0.38	0.53	0.109	0.411	0.070
716_107	0.12	0.90	< 0.05	< 0.05	< 0.01	0.01	0.04	14.8	0.07	0.06	0.016	0.066	0.008
716_108	< 0.01	0.14	< 0.05	< 0.05	< 0.01	0.01	0.01	0.2	0.02	0.02	< 0.005	0.020	< 0.005
716_118	0.05	1.96	< 0.05	< 0.05	< 0.01	0.03	0.07	20.2	0.02	< 0.01	< 0.005	0.019	< 0.005
716_122	0.06	32.68	< 0.05	< 0.05	< 0.01	0.05	0.09	54.6	0.01	0.03	< 0.005	0.018	< 0.005
716_125	0.09	2.57	< 0.05	< 0.05	< 0.01	0.06	0.15	148.5	0.21	0.11	0.053	0.212	0.034
716_126	0.03	0.85	< 0.05	< 0.05	< 0.01	0.02	< 0.01	0.3	0.05	0.07	0.018	0.075	0.016
716_131	0.03	1.67	< 0.05	0.13	< 0.01	0.01	0.17	11.7	0.02	< 0.01	< 0.005	0.015	< 0.005
716_137	0.24	1.03	< 0.05	0.08	< 0.01	0.06	0.27	116.4	0.57	0.82	0.152	0.622	0.105
716_143	0.02	0.76	< 0.05	0.07	< 0.01	0.03	0.51	11.0	0.02	0.02	< 0.005	0.022	< 0.005
716_146	0.04	0.33	< 0.05	0.44	< 0.01	0.04	0.43	10.1	0.02	0.02	< 0.005	0.023	< 0.005
716_159	0.08	0.07	< 0.05	< 0.05	< 0.01	0.01	0.09	42.1	0.11	0.15	0.028	0.120	0.014
716_167	0.01	4.10	< 0.05	< 0.05	< 0.01	0.01	0.10	6.9	0.04	0.05	0.010	0.039	0.006
716_171	0.04	0.20	< 0.05	< 0.05	< 0.01	0.07	0.02	17.1	0.08	0.17	0.020	0.087	0.018
716_177	< 0.01	9.43	< 0.05	< 0.05	< 0.01	0.02	0.51	67.4	< 0.01	0.01	< 0.005	0.006	< 0.005
716_190	0.09	1.39	< 0.05	0.32	< 0.01	0.09	0.04	5.4	0.11	0.16	0.039	0.165	0.031
716_197	0.13	3.54	< 0.05	< 0.05	< 0.01	0.04	0.09	7.3	0.27	0.61	0.070	0.267	0.051
716_207	0.04	0.76	< 0.05	0.30	< 0.01	0.31	0.13	7.9	0.07	0.15	0.021	0.088	0.013
716_215	0.21	0.65	< 0.05	< 0.05	< 0.01	0.07	0.05	39.4	0.79	1.43	0.242	1.020	0.131
716_221	0.26	3.74	< 0.05	< 0.05	< 0.01	0.03	0.07	149.9	0.28	0.15	0.074	0.293	0.058
716_229	0.04	2.41	< 0.05	< 0.05	< 0.01	0.02	0.07	75.5	0.06	0.04	0.013	0.065	0.013
716_234	0.07	0.07	< 0.05	< 0.05	< 0.01	0.02	0.04	1.9	0.21	0.04	0.054	0.265	0.042
716_239	0.03	6.16	< 0.05	0.16	< 0.01	0.04	0.29	89.5	0.11	0.15	0.034	0.121	0.014
716_249	0.01	3.26	< 0.05	< 0.05	< 0.01	0.02	0.41	14.9	< 0.01	0.02	< 0.005	0.009	< 0.005
716_255	0.04	6.35	< 0.05	< 0.05	< 0.01	0.03	0.59	146.8	0.07	0.13	0.018	0.068	0.012
716_262	0.28	0.55	< 0.05	< 0.05	< 0.01	0.06	0.09	61.9	0.40	0.29	0.122	0.505	0.092
716_268	< 0.01	4.06	< 0.05	< 0.05	< 0.01	0.02	0.14	27.4	0.07	0.12	0.012	0.038	< 0.005
716_278	0.58	0.16	< 0.05	0.64	< 0.01	0.28	0.15	124.0	1.77	1.00	0.396	1.613	0.245
716_288	0.07	0.42	< 0.05	< 0.05	< 0.01	0.02	0.08	50.0	0.02	0.01	0.006	0.022	< 0.005
716_292	0.05	11.47	< 0.05	< 0.05	< 0.01	0.08	0.20	11.2	0.13	0.20	0.032	0.114	0.019
716_300	0.01	10.39	< 0.05	< 0.05	< 0.01	0.03	0.24	16.5	0.01	0.02	< 0.005	0.007	< 0.005
716_306	0.33	0.22	< 0.05	0.10	< 0.01	0.06	0.07	62.9	0.78	0.35	0.266	1.208	0.200
716_313	0.21	< 0.05	< 0.05	< 0.05	< 0.01	0.04	0.07	7.1	0.62	0.30	0.181	0.865	0.138
716_317	0.01	2.76	< 0.05	0.35	< 0.01	0.04	0.54	15.9	0.07	0.06	0.014	0.043	< 0.005
716_327	0.11	0.67	< 0.05	< 0.05	< 0.01	0.02	0.69	90.9	0.18	0.12	0.042	0.191	0.028
716_334	0.50	< 0.05	< 0.05	< 0.05	< 0.01	0.05	0.16	6.7	1.20	1.96	0.401	1.675	0.274
1201_1	0.71	8.51	< 0.05	< 0.05	< 0.01	0.05	0.19	12.2	0.63	1.06	0.170	0.703	0.133
1201_2	0.07	11.14	< 0.05	< 0.05	< 0.01	0.03	0.05	16.6	0.08	0.14	0.017	0.061	0.012
1201_3	0.31	1.87	< 0.05	< 0.05	< 0.01	0.05	0.04	24.9	0.68	0.82	0.108	0.413	0.074
1201_4	5.18	10.90	< 0.05	< 0.05	0.01	0.12	0.74	32.9	112.48	232.08	15.055	49.082	6.202
1201_5	0.06	13.52	< 0.05	< 0.05	< 0.01	0.27	0.07	51.8	0.31	0.46	0.050	0.182	0.024
1201_8	0.08	30.94	< 0.05	< 0.05	< 0.01	0.01	0.05	6.8	0.15	0.28	0.029	0.108	0.016

Sample	Y 89	Mo 98	Ag 107	Cd 114	In 115	Sb 121	Cs 133	Ba 138	La 139	Ce 140	Pr 141	Nd 146	Sm 147
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.01	0.05	0.05	0.05	0.01	0.01	0.01	0.2	0.01	0.01	0.005	0.005	0.005
1201_9	0.14	22.06	< 0.05	< 0.05	< 0.01	0.04	0.03	7.4	0.03	0.06	0.007	0.025	0.006
1201_10	0.56	2.95	< 0.05	0.08	< 0.01	0.05	0.02	11.3	0.25	0.63	0.060	0.249	0.058
1201_11	0.35	5.79	< 0.05	< 0.05	< 0.01	0.05	0.09	2.2	0.16	0.24	0.035	0.120	0.025
1233_1	0.12	0.07	< 0.05	< 0.05	< 0.01	0.02	0.09	29.4	0.17	0.25	0.042	0.162	0.037
1233_2	0.43	13.19	< 0.05	0.11	< 0.01	0.02	0.25	39.0	0.40	0.41	0.066	0.252	0.035
1233_3	5.35	15.82	< 0.05	0.40	< 0.01	0.01	0.56	2.3	0.43	0.19	0.151	0.734	0.210
1233_4	2.60	7.29	< 0.05	< 0.05	< 0.01	0.03	0.62	0.8	0.09	0.09	0.019	0.111	0.025
1233_5	1.80	6.68	< 0.05	< 0.05	< 0.01	0.02	0.64	2.1	0.11	0.12	0.038	0.217	0.046
1233_6	5.67	0.37	< 0.05	0.05	< 0.01	0.07	0.82	21.7	8.74	12.69	2.397	9.109	1.760
1233_7	1.94	13.99	< 0.05	< 0.05	< 0.01	0.03	0.60	0.4	0.02	< 0.01	< 0.005	0.029	0.010
1233_8	18.45	0.39	< 0.05	0.15	< 0.01	0.02	0.05	16.2	2.11	1.58	0.540	2.373	0.627
1233_9	0.08	1.62	< 0.05	< 0.05	< 0.01	0.01	< 0.01	10.3	0.13	0.01	0.025	0.089	0.010
1233_10	0.48	15.69	< 0.05	< 0.05	< 0.01	< 0.01	0.30	0.9	0.10	0.20	0.026	0.137	0.027
1243_1	0.66	0.66	< 0.05	< 0.05	< 0.01	0.01	0.02	4.9	0.10	< 0.01	0.020	0.093	0.022
1243_2	0.19	1.27	< 0.05	< 0.05	< 0.01	0.02	0.08	37.3	0.17	0.06	0.043	0.201	0.030
1243_4	0.15	0.30	< 0.05	< 0.05	< 0.01	0.02	0.04	3.8	0.01	0.02	0.006	0.034	0.009
1243_5	1.57	2.32	< 0.05	< 0.05	< 0.01	0.05	0.06	37.2	2.70	2.07	0.518	2.124	0.348
1243_6	0.02	1.20	< 0.05	< 0.05	< 0.01	0.03	0.03	63.0	< 0.01	< 0.01	< 0.005	< 0.005	< 0.005
1245_1	1.70	1.77	< 0.05	< 0.05	< 0.01	< 0.01	0.04	12.6	2.55	5.40	0.628	2.341	0.458
1245_2	1.15	1.97	< 0.05	< 0.05	< 0.01	< 0.01	0.12	19.9	1.02	2.18	0.273	1.075	0.214
1245_3	0.76	1.77	< 0.05	< 0.05	< 0.01	0.01	0.10	6.1	0.50	1.01	0.124	0.500	0.112
1246_1	0.36	0.70	< 0.05	< 0.05	< 0.01	< 0.01	0.03	2.0	0.14	0.28	0.036	0.146	0.033
1246_2	0.26	1.61	< 0.05	< 0.05	< 0.01	0.02	0.05	32.2	1.07	2.24	0.247	0.915	0.150
1246_3	0.12	4.49	< 0.05	< 0.05	< 0.01	0.01	0.02	11.1	0.21	0.18	0.037	0.138	0.016
1246_4	0.86	4.27	< 0.05	< 0.05	< 0.01	< 0.01	0.14	12.9	2.52	5.09	0.580	2.117	0.347
1246_5	0.05	0.49	< 0.05	< 0.05	< 0.01	< 0.01	0.04	42.9	0.10	0.10	0.019	0.068	0.007
1246_6	0.35	0.18	< 0.05	< 0.05	< 0.01	0.01	0.12	156.1	0.50	1.13	0.111	0.483	0.058
1246_7	9.10	0.66	< 0.05	< 0.05	< 0.01	0.12	0.02	17.4	33.97	12.53	6.163	24.601	4.146
1246_8	0.79	1.10	< 0.05	0.10	< 0.01	0.03	0.07	34.4	0.35	0.45	0.087	0.384	0.093
1246_9	0.27	4.88	< 0.05	< 0.05	< 0.01	0.02	0.36	71.6	1.08	2.30	0.253	0.858	0.138
1246_10	0.07	5.26	< 0.05	< 0.05	< 0.01	0.02	0.03	3.3	0.04	0.07	0.010	0.041	0.007
1246_11	1.13	7.26	< 0.05	< 0.05	< 0.01	0.11	0.05	3.6	1.39	1.70	0.339	1.440	0.277
1247_1	0.66	1.37	< 0.05	< 0.05	< 0.01	0.02	0.14	13.3	0.94	1.88	0.220	0.886	0.151
1247_2	1.83	1.14	< 0.05	< 0.05	< 0.01	0.02	0.09	7.0	3.67	7.61	0.806	2.999	0.511
1247_3	8.01	0.32	< 0.05	< 0.05	< 0.01	0.02	0.08	23.0	7.01	22.50	2.175	9.036	1.835
1247_4	2.81	2.80	< 0.05	< 0.05	< 0.01	< 0.01	0.11	2.1	5.76	11.37	1.299	5.148	0.974
1247_5	1.31	0.18	< 0.05	< 0.05	< 0.01	0.02	0.13	12.1	0.78	0.38	0.185	0.797	0.192
1247_6	5.23	2.14	< 0.05	< 0.05	< 0.01	0.01	0.05	56.7	0.39	0.83	0.132	0.631	0.188
1247_7	1.70	0.97	< 0.05	< 0.05	< 0.01	0.03	0.20	26.1	3.27	7.12	0.765	2.947	0.522
1247_8	0.58	1.49	< 0.05	< 0.05	< 0.01	< 0.01	0.03	5.6	0.56	1.20	0.138	0.534	0.089
1247_9	0.28	0.17	< 0.05	< 0.05	< 0.01	0.10	0.06	6.4	0.97	1.86	0.217	0.765	0.111
1247_10	0.93	0.11	< 0.05	0.06	< 0.01	0.12	0.09	9.2	1.97	3.56	0.446	1.669	0.289
1266_1	2.16	0.32	< 0.05	< 0.05	< 0.01	< 0.01	< 0.01	2.6	0.90	3.16	0.236	1.106	0.248
1266_2	0.57	6.05	< 0.05	< 0.05	< 0.01	< 0.01	0.02	3.1	0.50	1.35	0.143	0.620	0.120
1266_3	0.15	16.35	< 0.05	< 0.05	< 0.01	< 0.01	0.03	1.5	0.14	0.23	0.042	0.163	0.030
1266_4	0.05	3.93	< 0.05	< 0.05	< 0.01	< 0.01	0.02	3.9	0.06	0.10	0.013	0.041	< 0.005
1266_5	0.14	8.10	< 0.05	< 0.05	< 0.01	< 0.01	0.01	4.2	< 0.01	0.02	< 0.005	0.012	< 0.005
1266_6	0.17	6.15	< 0.05	< 0.05	< 0.01	< 0.01	< 0.01	1.2	< 0.01	0.01	< 0.005	0.013	< 0.005
1266_7	1.24	0.10	< 0.05	< 0.05	< 0.01	0.01	0.01	1.6	2.71	5.98	0.590	2.309	0.354

Sample	Y 89	Mo 98	Ag 107	Cd 114	In 115	Sb 121	Cs 133	Ba 138	La 139	Ce 140	Pr 141	Nd 146	Sm 147
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.01	0.05	0.05	0.05	0.01	0.01	0.01	0.2	0.01	0.01	0.005	0.005	0.005
1266_8	0.53	4.16	< 0.05	< 0.05	< 0.01	< 0.01	0.10	10.7	0.25	0.22	0.054	0.246	0.039
1266_9	0.16	4.35	< 0.05	< 0.05	< 0.01	< 0.01	0.02	18.3	0.05	0.05	0.014	0.064	0.008
1266_10	0.17	0.20	< 0.05	< 0.05	< 0.01	< 0.01	0.03	167.2	0.05	0.10	0.013	0.061	0.011

Sample	Eu 151	Gd 160	Tb 159	Dy 163	Ho 165	Er 166	Tm 169	Yb 174	Lu 175	Tl 205	Pb 208	U 238
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.1	0.005
702_2	0.008	0.033	0.006	0.050	0.014	0.039	0.006	0.030	0.005	< 0.005	0.9	7.094
702_5	0.072	0.279	0.044	0.240	0.045	0.121	0.016	0.106	0.014	0.015	5.7	2.146
702_7	< 0.005	0.006	< 0.005	0.010	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	0.3	2.917
702_10	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1	2.811
702_11	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1	11.242
702_16	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.3	1.242
702_20	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	3.336
702_24	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	1.916
702_28	< 0.005	0.010	< 0.005	0.008	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	0.3	0.306
702_32	0.023	0.094	0.012	0.067	0.015	0.039	< 0.005	0.038	0.005	< 0.005	3.7	2.491
702_33	0.006	0.016	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	1.716
702_34	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.3	0.604
702_36	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1	2.657
702_37	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.4	5.216
702_39	< 0.005	0.012	< 0.005	0.014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.3	9.460
702_46	0.009	0.038	< 0.005	0.023	< 0.005	0.013	< 0.005	0.012	< 0.005	< 0.005	0.4	0.271
702_58	< 0.005	0.010	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.4	9.568
702_64	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.008	0.1	0.999
702_68	0.007	0.025	< 0.005	0.017	< 0.005	0.014	< 0.005	0.015	< 0.005	< 0.005	0.6	0.375
702_71	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.0	2.938
702_74	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	2.347
702_76	0.027	0.153	0.019	0.093	0.017	0.046	0.006	0.037	0.006	0.012	0.7	3.208
702_77	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.9	0.772
702_80	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	7.599
702_81	0.007	0.033	< 0.005	0.022	< 0.005	0.010	< 0.005	0.013	< 0.005	< 0.005	0.5	0.512
702_82	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	2.660
702_83	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.5	18.849
702_84	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	4.581
711_2	0.005	0.054	0.010	0.071	0.018	0.067	0.011	0.075	0.012	0.005	0.4	8.357
711_13	< 0.005	0.024	0.006	0.047	0.012	0.046	0.010	0.065	0.010	< 0.005	2.2	88.241
711_19	0.008	0.093	0.018	0.126	0.034	0.126	0.027	0.197	0.042	< 0.005	0.7	702.024
711_22	< 0.005	0.058	0.013	0.105	0.030	0.131	0.023	0.192	0.035	0.006	1.9	603.465
711_27	< 0.005	< 0.005	< 0.005	0.013	< 0.005	0.012	< 0.005	0.026	< 0.005	< 0.005	0.3	2017.857
711_28	0.009	0.137	0.021	0.152	0.043	0.149	0.026	0.198	0.038	0.007	1.1	53.062
711_31	< 0.005	0.005	< 0.005	0.012	0.005	0.023	< 0.005	0.036	0.007	< 0.005	1.0	260.292
711_42	< 0.005	0.039	< 0.005	0.035	0.008	0.023	< 0.005	0.028	< 0.005	< 0.005	0.6	0.632
711_43	< 0.005	0.015	< 0.005	0.036	0.010	0.036	0.006	0.036	0.006	< 0.005	0.1	101.660
711_44	0.166	1.345	0.217	1.290	0.259	0.710	0.095	0.532	0.080	0.024	5.5	1.570
716_3	< 0.005	0.022	< 0.005	0.009	< 0.005	0.007	< 0.005	0.006	< 0.005	< 0.005	0.2	0.878
716_8	< 0.005	0.024	< 0.005	0.016	< 0.005	0.007	< 0.005	0.007	< 0.005	< 0.005	0.1	0.427
716_11	0.120	0.367	0.053	0.304	0.063	0.184	0.028	0.191	0.034	0.007	0.5	6.091
716_12	0.006	0.018	< 0.005	0.015	< 0.005	0.007	< 0.005	0.006	< 0.005	< 0.005	0.1	7.047
716_22	0.006	0.020	< 0.005	0.013	< 0.005	0.008	< 0.005	0.009	< 0.005	< 0.005	0.7	1.028
716_23	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	2.846
716_26	0.011	0.046	< 0.005	0.022	< 0.005	0.012	< 0.005	0.014	< 0.005	< 0.005	0.5	0.224
716_28	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	13.569
716_38	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.3	4.561
716_40	< 0.005	0.012	< 0.005	0.016	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1	6.580
716_47	< 0.005	0.008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005	0.1	3.666

Sample	Eu 151	Gd 160	Tb 159	Dy 163	Ho 165	Er 166	Tm 169	Yb 174	Lu 175	Tl 205	Pb 208	U 238
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.1	0.005
716_61	0.039	0.151	0.018	0.093	0.018	0.054	0.006	0.046	0.006	0.005	1.1	0.368
716_69	0.026	0.077	0.009	0.041	0.008	0.022	< 0.005	0.020	< 0.005	< 0.005	1.0	3.378
716_70	< 0.005	0.022	< 0.005	0.009	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005	0.6	2.731
716_91	0.077	0.217	0.018	0.075	0.011	0.024	< 0.005	0.017	< 0.005	< 0.005	1.5	0.485
716_94	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.1	15.566
716_99	0.070	0.248	0.029	0.132	0.025	0.058	0.008	0.059	0.008	0.012	2.8	0.150
716_103	< 0.005	0.022	< 0.005	0.010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	6.558
716_105	0.022	0.060	0.011	0.064	0.012	0.037	0.005	0.032	0.006	< 0.005	0.2	0.427
716_107	< 0.005	0.013	< 0.005	0.016	< 0.005	0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	2.428
716_108	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	3.375
716_118	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	11.499
716_122	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.008	< 0.005	< 0.005	< 0.1	5.444
716_125	< 0.005	0.024	< 0.005	0.013	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	15.086
716_126	< 0.005	0.012	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1	3.082
716_131	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.3	2.691
716_137	0.021	0.079	0.010	0.047	0.009	0.018	< 0.005	0.015	< 0.005	< 0.005	3.3	11.973
716_143	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.4	8.975
716_146	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.5	4.458
716_159	< 0.005	0.016	< 0.005	0.009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	1.382
716_167	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.3	12.233
716_171	< 0.005	0.008	< 0.005	0.008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	0.256
716_177	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	43.663
716_190	0.008	0.024	< 0.005	0.016	< 0.005	0.007	< 0.005	0.009	< 0.005	< 0.005	0.5	0.976
716_197	0.009	0.039	0.007	0.030	0.005	0.011	< 0.005	0.014	< 0.005	< 0.005	0.3	3.667
716_207	< 0.005	0.013	< 0.005	0.010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.1	0.777
716_215	0.022	0.087	0.006	0.041	0.006	0.017	< 0.005	0.016	< 0.005	< 0.005	0.1	6.414
716_221	0.009	0.040	0.005	0.029	0.007	0.021	< 0.005	0.020	< 0.005	< 0.005	0.3	7.129
716_229	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.3	3.383
716_234	0.014	0.043	< 0.005	0.013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.4	0.422
716_239	< 0.005	0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.9	21.462
716_249	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	9.029
716_255	< 0.005	0.008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1	7.782
716_262	0.016	0.069	0.009	0.051	0.009	0.028	< 0.005	0.029	< 0.005	< 0.005	0.3	1.851
716_268	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	4.734
716_278	0.042	0.158	0.022	0.124	0.023	0.063	0.006	0.049	0.008	< 0.005	3.5	4.854
716_288	< 0.005	< 0.005	< 0.005	0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	1.356
716_292	< 0.005	0.010	< 0.005	0.010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1	5.620
716_300	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1	7.172
716_306	0.047	0.162	0.016	0.077	0.011	0.026	< 0.005	0.021	< 0.005	< 0.005	0.6	1.470
716_313	0.040	0.120	0.008	0.038	< 0.005	0.012	< 0.005	0.006	< 0.005	< 0.005	0.4	0.835
716_317	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	2.8	5.307
716_327	0.006	0.020	< 0.005	0.021	< 0.005	0.008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	7.266
716_334	0.033	0.167	0.020	0.115	0.019	0.056	0.007	0.039	0.007	< 0.005	0.8	0.092
1201_1	0.023	0.137	0.018	0.120	0.020	0.063	0.006	0.049	0.009	< 0.005	0.4	31.285
1201_2	< 0.005	0.012	< 0.005	0.009	< 0.005	< 0.005	< 0.005	0.005	< 0.005	0.007	0.4	50.369
1201_3	0.016	0.058	0.007	0.051	0.008	0.028	< 0.005	0.031	< 0.005	< 0.005	0.4	10.927
1201_4	1.124	3.817	0.355	1.518	0.225	0.527	0.049	0.366	0.063	0.060	56.7	130.769
1201_5	< 0.005	0.013	< 0.005	0.009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.007	0.1	40.336
1201_8	< 0.005	0.016	< 0.005	0.012	< 0.005	0.005	< 0.005	0.007	< 0.005	< 0.005	0.4	21.400

Sample	Eu 151	Gd 160	Tb 159	Dy 163	Ho 165	Er 166	Tm 169	Yb 174	Lu 175	Tl 205	Pb 208	U 238
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.1	0.005
1201_9	< 0.005	0.008	< 0.005	0.012	0.005	0.012	< 0.005	0.011	< 0.005	0.009	0.7	19.564
1201_10	0.011	0.067	0.012	0.063	0.017	0.051	0.007	0.051	0.011	0.015	2.0	4.088
1201_11	< 0.005	0.026	< 0.005	0.033	0.008	0.023	< 0.005	0.027	< 0.005	0.006	0.2	35.657
1233_1	< 0.005	0.025	< 0.005	0.020	0.005	0.013	< 0.005	0.017	< 0.005	0.010	0.6	0.031
1233_2	< 0.005	0.046	0.006	0.038	0.008	0.028	< 0.005	0.025	< 0.005	0.031	0.9	0.449
1233_3	0.009	0.284	0.053	0.366	0.091	0.293	0.042	0.258	0.046	0.036	0.2	11.557
1233_4	< 0.005	0.061	0.013	0.104	0.030	0.122	0.020	0.145	0.027	0.013	0.3	5.715
1233_5	0.006	0.084	0.014	0.099	0.032	0.104	0.015	0.116	0.025	0.038	0.5	8.480
1233_6	0.132	1.434	0.212	1.136	0.215	0.598	0.088	0.536	0.082	0.104	4.9	0.857
1233_7	< 0.005	0.019	< 0.005	0.059	0.023	0.106	0.018	0.122	0.026	0.118	0.1	355.593
1233_8	0.081	0.953	0.182	1.380	0.362	1.296	0.233	1.853	0.371	0.039	9.0	2.051
1233_9	< 0.005	0.012	< 0.005	0.008	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	3.644
1233_10	< 0.005	0.043	< 0.005	0.033	0.007	0.022	< 0.005	0.012	< 0.005	0.007	< 0.1	7.408
1243_1	< 0.005	0.038	0.007	0.051	0.012	0.034	< 0.005	0.025	< 0.005	< 0.005	0.4	1.310
1243_2	< 0.005	0.037	0.005	0.027	< 0.005	0.015	< 0.005	0.012	< 0.005	0.014	0.6	0.259
1243_4	< 0.005	0.013	< 0.005	0.015	< 0.005	0.020	< 0.005	0.031	0.006	< 0.005	0.2	0.008
1243_5	0.049	0.338	0.037	0.211	0.041	0.102	0.013	0.075	0.013	0.013	0.4	1.339
1243_6	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.5	0.609
1245_1	0.067	0.426	0.063	0.345	0.065	0.172	0.022	0.133	0.023	< 0.005	0.3	5.937
1245_2	0.038	0.217	0.032	0.200	0.038	0.103	0.013	0.069	0.009	< 0.005	0.1	5.100
1245_3	0.013	0.110	0.016	0.098	0.019	0.062	0.008	0.047	0.007	< 0.005	0.3	6.433
1246_1	< 0.005	0.039	< 0.005	0.038	0.007	0.024	< 0.005	0.014	< 0.005	< 0.005	0.1	9.822
1246_2	0.018	0.105	0.012	0.065	0.009	0.019	< 0.005	0.016	< 0.005	< 0.005	0.1	2.785
1246_3	< 0.005	0.014	< 0.005	0.014	< 0.005	0.011	< 0.005	0.006	< 0.005	0.007	0.2	3.351
1246_4	0.063	0.272	0.034	0.181	0.033	0.080	0.008	0.058	0.008	< 0.005	0.1	0.788
1246_5	< 0.005	0.013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.005	0.3	1.811
1246_6	< 0.005	0.069	0.010	0.037	0.011	0.032	< 0.005	0.033	0.005	0.160	< 0.1	0.127
1246_7	0.781	3.559	0.382	1.670	0.289	0.596	0.059	0.282	0.048	0.027	1.1	2.307
1246_8	0.006	0.111	0.017	0.098	0.021	0.076	0.009	0.059	0.012	< 0.005	0.3	141.844
1246_9	0.016	0.103	0.011	0.053	0.010	0.027	< 0.005	0.019	< 0.005	< 0.005	< 0.1	1.251
1246_10	< 0.005	0.007	< 0.005	0.006	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	2.739
1246_11	0.037	0.258	0.034	0.174	0.033	0.073	0.006	0.049	0.008	0.009	0.3	4.624
1247_1	0.024	0.130	0.022	0.109	0.023	0.057	0.010	0.057	0.010	0.010	0.4	2.404
1247_2	0.062	0.405	0.056	0.317	0.057	0.165	0.022	0.141	0.022	0.010	1.2	2.491
1247_3	0.290	1.658	0.228	1.267	0.265	0.772	0.101	0.686	0.123	0.010	2.6	4.033
1247_4	0.083	0.890	0.116	0.569	0.097	0.219	0.020	0.116	0.016	< 0.005	0.1	0.517
1247_5	0.031	0.230	0.032	0.190	0.034	0.092	0.007	0.046	0.008	0.101	0.3	0.082
1247_6	0.021	0.308	0.064	0.510	0.130	0.411	0.052	0.302	0.053	< 0.005	0.6	6.265
1247_7	0.081	0.427	0.057	0.315	0.056	0.163	0.022	0.135	0.024	< 0.005	0.4	7.660
1247_8	0.013	0.081	0.013	0.081	0.016	0.058	0.006	0.043	0.009	< 0.005	< 0.1	4.432
1247_9	0.014	0.073	0.010	0.038	0.009	0.029	< 0.005	0.023	0.006	0.008	0.9	0.723
1247_10	0.042	0.224	0.029	0.156	0.031	0.090	0.012	0.087	0.017	0.025	1.9	0.394
1266_1	0.059	0.318	0.044	0.269	0.067	0.178	0.025	0.157	0.029	< 0.005	0.2	1.852
1266_2	0.021	0.114	0.014	0.084	0.022	0.059	0.008	0.054	0.009	< 0.005	0.2	19.811
1266_3	< 0.005	0.024	< 0.005	0.019	< 0.005	0.012	< 0.005	0.007	< 0.005	< 0.005	0.2	33.456
1266_4	< 0.005	0.007	< 0.005	0.008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1	5.823
1266_5	< 0.005	0.008	< 0.005	0.011	< 0.005	0.011	< 0.005	0.006	< 0.005	< 0.005	< 0.1	0.053
1266_6	< 0.005	< 0.005	< 0.005	0.007	< 0.005	0.008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	0.756
1266_7	0.050	0.318	0.031	0.178	0.036	0.107	0.014	0.088	0.015	< 0.005	0.3	0.338

Sample	Eu 151	Gd 160	Tb 159	Dy 163	Ho 165	Er 166	Tm 169	Yb 174	Lu 175	Tl 205	Pb 208	U 238
IDNR	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
D.L.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.1	0.005
1266_8	0.006	0.048	0.005	0.041	0.010	0.026	< 0.005	0.012	< 0.005	< 0.005	0.1	81.282
1266_9	< 0.005	0.012	< 0.005	0.012	< 0.005	0.009	< 0.005	0.005	< 0.005	0.007	0.8	11.039
1266_10	< 0.005	0.011	< 0.005	0.015	< 0.005	0.012	< 0.005	0.008	< 0.005	< 0.005	0.1	3.803

Sample	Na	K	Ca	Mg
IDNR	AA-DIRECT	AA-DIRECT	AA-DIRECT	AA-DIRECT
	0.1% CS-LA	0.1% CS-LA	0.1% CS-LA	0.1% CS-LA
	ppm	ppm	ppm	ppm
D.L.	0.1	0.1	0.1	0.1
702_2	116.5	5.11	6.4	2.0
702_5	16.1	4.67	64.9	16.5
702_7	31.5	2.66	56.3	20.5
702_10	5.0	0.78	53.6	6.9
702_11	43.0	3.56	44.3	18.0
702_16	6.2	3.36	50.0	3.1
702_20	6.1	1.62	41.4	10.3
702_24	31.0	0.45	22.5	7.7
702_28	8.6	0.59	43.5	3.7
702_32	42.0	0.83	18.3	2.1
702_33	3.5	0.64	39.5	5.9
702_34	3.3	0.47	30.0	6.8
702_36	6.2	0.62	32.2	13.1
702_37	17.7	1.99	70.2	19.8
702_39	23.9	3.13	81.0	26.8
702_46	4.1	1.07	26.4	3.9
702_58	15.4	2.64	56.7	18.0
702_64	3.9	0.41	28.6	9.2
702_68	5.3	2.01	31.9	4.7
702_71	7.9	0.95	24.8	3.2
702_74	5.2	1.75	31.1	7.7
702_76	6.1	1.45	29.0	3.8
702_77	3.6	0.47	34.4	2.3
702_80	35.0	0.93	32.8	4.9
702_81	3.9	2.09	28.1	5.4
702_82	4.2	1.57	51.9	8.6
702_83	25.4	0.51	31.5	7.2
702_84	55.5	4.32	20.6	7.9
711_2	3.6	1.00	21.1	2.4
711_13	29.5	6.50	21.3	8.8
711_19	32.0	3.98	26.9	7.3
711_22	114.5	3.67	8.6	2.8
711_27	21.9	2.15	80.4	17.3
711_28	11.8	2.98	20.1	4.0
711_31	61.0	3.98	19.7	6.7
711_42	2.6	0.39	4.1	0.5
711_43	53.0	0.53	13.8	1.5
711_44	3.4	0.95	7.5	0.8
716_3	7.7	6.10	36.5	7.0
716_8	15.7	14.50	15.8	6.4
716_11	66.0	5.06	9.2	3.5
716_12	115.0	1.72	3.4	1.1
716_22	7.4	2.55	51.6	3.5
716_23	14.5	1.95	69.5	6.8
716_26	10.5	11.89	37.5	5.1
716_28	17.7	8.36	39.3	15.8
716_38	10.7	1.91	47.3	16.3
716_40	28.5	24.10	45.9	16.5
716_47	12.2	4.01	36.1	8.4

Sample	Na	K	Ca	Mg
IDNR	AA-DIRECT	AA-DIRECT	AA-DIRECT	AA-DIRECT
	0.1% CS-LA	0.1% CS-LA	0.1% CS-LA	0.1% CS-LA
	ppm	ppm	ppm	ppm
D.L.	0.1	0.1	0.1	0.1
716_61	6.8	1.52	19.2	3.6
716_69	6.5	0.61	32.3	2.3
716_70	20.4	4.45	40.7	9.2
716_91	6.2	4.12	33.5	5.5
716_94	144.0	3.56	19.2	12.6
716_99	4.4	0.88	5.2	2.1
716_103	20.1	1.79	25.4	14.8
716_105	70.0	1.15	0.2	0.2
716_107	5.9	1.04	49.2	12.1
716_108	56.0	0.31	< .1	< .1
716_118	10.4	1.58	43.0	17.0
716_122	508.0	10.21	7.1	9.4
716_125	50.0	1.85	44.5	23.0
716_126	84.5	< .1	< .1	0.1
716_131	10.8	3.17	45.3	20.3
716_137	20.6	2.19	54.5	16.8
716_143	19.7	3.56	53.3	18.8
716_146	12.6	3.36	87.8	15.8
716_159	5.4	1.32	52.0	12.7
716_167	10.1	0.67	38.5	6.8
716_171	13.8	24.27	57.4	6.9
716_177	222.0	2.70	8.9	7.2
716_190	36.5	1.36	23.1	6.5
716_197	73.5	1.90	7.0	2.5
716_207	6.7	3.65	30.2	8.1
716_215	10.2	0.56	19.5	7.2
716_221	24.7	3.33	35.4	22.0
716_229	9.2	1.05	32.5	14.3
716_234	5.0	0.60	38.1	2.7
716_239	43.5	2.16	29.9	12.5
716_249	21.9	4.19	64.4	32.5
716_255	29.5	8.38	24.2	33.0
716_262	6.3	3.06	44.0	6.7
716_268	6.9	0.75	43.4	5.1
716_278	8.3	2.28	46.2	10.8
716_288	12.2	1.38	70.3	17.5
716_292	122.0	1.35	4.0	1.3
716_300	72.5	2.15	15.0	6.6
716_306	4.1	0.92	33.8	10.1
716_313	4.9	0.97	27.4	2.4
716_317	17.7	3.48	67.3	19.3
716_327	16.5	1.77	45.5	10.5
716_334	2.7	1.30	9.0	0.9
1201_1	17.1	1.81	25.2	4.4
1201_2	11.6	1.63	29.1	4.4
1201_3	74.5	7.85	34.8	8.3
1201_4	128.0	10.32	4.1	5.6
1201_5	66.0	4.12	15.1	3.7
1201_8	109.5	2.55	1.8	1.1

Sample	Na	K	Ca	Mg
IDNR	AA-DIRECT	AA-DIRECT	AA-DIRECT	AA-DIRECT
	0.1% CS-LA	0.1% CS-LA	0.1% CS-LA	0.1% CS-LA
	ppm	ppm	ppm	ppm
D.L.	0.1	0.1	0.1	0.1
1201_9	63.5	5.02	11.4	3.4
1201_10	8.2	1.44	41.2	2.3
1201_11	46.0	6.63	3.5	2.1
1233_1	2.7	1.39	5.4	1.0
1233_2	15.4	1.19	13.4	3.6
1233_3	4.5	2.38	28.4	1.7
1233_4	3.9	2.09	32.4	2.2
1233_5	2.8	2.66	23.6	1.3
1233_6	2.2	4.15	3.2	1.6
1233_7	6.2	3.19	31.9	3.9
1233_8	2.6	1.61	14.1	2.1
1233_9	1.2	0.83	15.2	1.0
1233_10	8.3	1.69	47.6	3.7
1243_1	9.5	4.52	39.5	5.3
1243_2	7.0	2.35	15.1	3.2
1243_4	74.5	1.08	18.8	2.2
1243_5	10.8	2.89	26.2	2.8
1243_6	26.5	2.43	21.5	3.7
1245_1	160.5	2.28	3.2	1.7
1245_2	147.5	2.64	1.0	0.8
1245_3	126.0	3.01	1.8	0.5
1246_1	56.5	1.54	7.3	1.4
1246_2	81.0	1.69	5.7	2.3
1246_3	64.0	0.63	3.9	0.4
1246_4	357.0	2.73	26.0	5.4
1246_5	40.0	3.22	23.7	5.0
1246_6	12.2	1.94	46.7	3.3
1246_7	8.4	2.78	9.8	1.7
1246_8	35.0	3.96	36.3	5.2
1246_9	257.0	3.86	28.2	5.6
1246_10	145.5	0.68	1.6	0.2
1246_11	74.5	1.10	3.9	0.8
1247_1	61.5	2.27	6.9	2.2
1247_2	62.5	2.96	4.0	1.0
1247_3	23.8	3.00	12.1	3.2
1247_4	52.5	6.43	1.6	2.0
1247_5	8.2	2.73	10.2	2.2
1247_6	71.0	2.90	13.5	4.1
1247_7	119.5	2.31	15.1	2.3
1247_8	84.5	7.75	10.4	3.9
1247_9	7.8	2.25	24.5	2.6
1247_10	7.7	2.26	17.1	2.1
1266_1	29.0	3.89	10.3	5.4
1266_2	15.9	1.09	16.8	1.0
1266_3	24.3	0.95	20.0	1.2
1266_4	22.2	1.62	14.9	2.1
1266_5	55.0	0.90	8.0	0.9
1266_6	31.5	0.59	5.6	0.3
1266_7	51.0	5.25	3.8	2.4

Sample	Na	K	Ca	Mg
IDNR	AA-DIRECT	AA-DIRECT	AA-DIRECT	AA-DIRECT
	0.1% CS-LA	0.1% CS-LA	0.1% CS-LA	0.1% CS-LA
	ppm	ppm	ppm	ppm
D.L.	0.1	0.1	0.1	0.1
1266_8	10.2	2.42	30.3	1.6
1266_9	237.0	4.19	67.6	19.0
1266_10	17.5	2.62	18.0	2.8

Vedlegg 12

Liste tre av tre som tilsammen representerer alle bakgrunnsdata for rapporten. De to andre listene er gitt i vedlegg 10 og 11. Alle analyser er utført av BGR på ICP-MS. Elementnavnet er gitt i øverste rad. Deteksjonsgrenser er angitt på side 5 i rapporten.

IDNR	Ag	Al	As	B	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
702_2	<0.001	8.89	1.44	176	66.4	0.008	0.001	32.3	5310	0.049	0.15	0.034	0.14	1.27	1.73	5.02	0.051
702_5	<0.001	161	0.64	22.4	239	0.038	0.003	31.9	51300	0.047	3.22	1.21	0.32	0.99	45.1	1320	0.091
702_7	<0.001	1.24	0.1	60.6	80.9	0.003	<0.001	23.8	43500	0.016	0.013	0.052	0.02	0.28	14	<2	0.004
702_10	0.001	1.47	0.14	5.12	24.3	0.027	<0.001	21.5	44100	0.009	0.007	0.011	0.025	0.095	1.32	13.2	0.021
702_11	<0.001	9.48	1.37	86.2	43.9	0.061	<0.001	36.1	37000	0.018	0.007	0.013	0.041	0.42	9.41	19.3	0.005
702_16	0.001	1.6	0.19	8.58	11.8	0.05	<0.001	12.2	44600	0.006	0.006	0.023	0.028	0.24	24.8	32.4	0.006
702_20	<0.001	6.09	0.23	9.18	15.6	0.037	<0.001	15.9	36600	0.014	0.017	0.018	0.064	0.24	6.25	6.56	0.011
702_24	<0.001	3.52	0.33	17	21.6	0.014	<0.001	12.3	19600	0.007	0.008	0.018	0.16	0.057	23	2.08	0.007
702_28	<0.001	14.5	0.15	11	40.6	0.027	<0.001	14	38600	0.017	0.07	0.056	0.35	0.27	137	25.4	0.011
702_32	<0.001	86.6	11.1	21	79.5	0.06	0.002	13.7	17000	0.038	0.56	0.12	0.15	0.34	8.8	58	0.055
702_33	<0.001	2.93	0.036	1.66	23.7	0.024	<0.001	14.4	34300	0.019	0.05	0.018	0.077	0.061	6.84	<2	0.01
702_34	0.002	4.92	<0.025	2.11	26.4	0.013	<0.001	13.7	25900	0.024	0.009	0.2	0.036	0.044	12.4	8.24	0.006
702_36	<0.001	30.1	<0.025	3.44	50.9	0.04	<0.001	12.3	25300	0.026	0.064	0.022	0.021	0.047	13.4	2.01	0.02
702_37	<0.001	5	0.088	11.3	53.4	0.061	0.002	38.6	55800	0.082	0.009	0.047	0.11	0.14	2.53	34	0.017
702_39	<0.001	2.94	0.15	14.8	68.7	0.032	0.001	72.2	62400	0.032	0.011	0.046	0.024	0.27	12	40.8	0.007
702_46	0.008	10.6	0.055	14.6	101	0.099	0.001	18.2	22800	0.033	0.073	0.047	<0.01	0.073	25.5	15.8	0.008
702_58	0.002	3.05	0.21	13.6	121	0.12	0.006	23.7	45800	0.033	0.018	0.036	<0.01	0.22	19.5	52.4	0.014
702_64	0.004	6.47	0.04	2.24	59.4	0.051	<0.001	12.5	25900	0.015	0.022	0.027	<0.01	0.045	4.72	6.06	0.012
702_68	0.006	13.5	0.08	9.19	86.2	0.12	<0.001	24.5	27700	0.017	0.077	0.042	<0.01	0.2	36.9	<2	0.006
702_71	0.001	5.54	0.092	4.11	20.8	0.079	<0.001	11.1	20900	0.04	0.022	0.031	<0.01	0.097	135	54.8	0.004
702_74	<0.001	5.43	0.031	4.27	2.94	0.025	<0.001	7.63	25800	0.028	0.042	0.01	<0.01	0.029	8.13	6.79	0.006
702_76	0.003	69.4	0.26	8.16	38.4	0.081	<0.001	8.41	25700	0.032	1.66	0.16	0.11	0.23	14.5	22.5	0.02
702_77	0.001	14.4	0.13	4.11	17.7	0.041	<0.001	10.5	29900	0.013	0.059	0.026	<0.01	0.015	7.48	17.5	0.007
702_80	<0.001	5.24	0.4	16.1	22.4	0.087	0.003	38.8	26300	0.05	0.02	0.019	0.012	0.1	8.51	21.7	0.022
702_81	0.002	16.1	0.047	8.19	80.8	0.066	0.001	11.2	22800	0.017	0.07	0.036	<0.01	0.14	61.6	19.8	0.009
702_82	<0.001	4.72	0.062	10	149	0.04	<0.001	12.5	40600	0.005	0.028	0.03	<0.01	0.16	40.2	<2	0.004
702_83	<0.001	27.1	0.33	15.6	55.8	0.054	0.001	17.1	27000	0.012	0.23	0.056	<0.01	0.14	0.78	667	0.036
702_84	<0.001	31.1	0.21	41.3	34.7	0.061	<0.001	59.8	18400	0.036	0.01	0.018	<0.01	0.38	5.83	<2	0.012
711_2	0.048	55.2	0.064	7.59	18.5	0.14	0.005	9.9	19200	0.023	0.053	0.036	0.14	0.08	12	238	0.012
711_13	<0.001	14.1	0.039	20.9	0.55	0.076	0.011	19	19200	0.3	0.1	0.049	0.094	0.13	21.1	8.61	0.026
711_19	<0.001	32	0.11	29	1.77	0.6	0.008	16.3	24600	0.091	0.52	0.058	0.2	0.12	43.7	85.6	0.037
711_22	<0.001	205	0.67	93.5	0.93	0.27	0.011	106	8010	0.44	0.42	0.07	0.12	0.45	7.75	68.7	0.22
711_27	<0.001	5.86	0.19	26.3	0.85	0.22	<0.001	59.2	70000	0.2	0.014	0.079	0.19	0.48	1.45	40	0.021
711_28	<0.001	168	0.36	20.3	5.06	2.82	0.003	20.2	18600	0.45	0.29	0.094	<0.01	0.16	51.6	223	0.025
711_31	<0.001	26.8	0.38	55	0.44	0.15	0.003	28.5	17900	0.12	0.025	0.028	0.12	0.46	35.5	56.4	0.065
711_42	0.011	140	0.056	3.99	7.11	0.19	0.004	10.4	3770	0.12	0.22	0.056	<0.01	0.019	97.4	25.8	0.021
711_43	<0.001	12.1	0.31	18.7	0.4	0.047	0.002	60.2	12500	0.15	0.055	0.022	<0.01	0.034	3.55	35.7	0.02
711_44	0.023	440	0.34	7.09	12.3	0.31	0.003	27.4	7120	0.33	8.45	0.47	2.25	0.034	157	865	0.16
716_3	0.003	111	0.5	25.4	3.49	0.14	<0.001	30.1	32600	0.027	0.18	0.076	0.046	0.22	63	11.4	0.023
716_8	0.015	60.6	0.71	21.4	155	0.52	<0.001	41.1	13900	0.004	0.31	0.097	0.048	0.064	69.3	39.1	0.04
716_11	0.022	528	0.38	69.1	5.34	0.87	0.008	56.6	8410	0.047	4.18	0.3	0.61	0.39	8.06	617	0.23
716_12	0.018	44.4	0.8	90.4	6.08	0.17	0.019	70.3	2980	0.078	0.45	0.063	0.099	1.91	2.42	30.5	0.081
716_22	0.012	14.7	0.074	14.2	0.9	0.21	0.003	33.4	45100	0.038	0.1	0.15	0.24	0.14	86.9	4.3	0.018
716_23	0.003	5.66	0.25	13.1	4.98	0.092	0.002	41.7	62600	0.027	0.039	0.056	0.058	0.27	28	<2	0.009
716_26	0.007	249	1.11	70.5	27.8	0.16	0.002	35.6	33400	0.95	1.03	0.2	0.5	0.55	47.2	90.6	0.071
716_28	0.007	6.83	0.6	32.7	144	0.4	0.001	39.4	37900	0.037	0.03	0.11	0.032	0.69	13.7	75.4	0.026
716_38	0.006	3.98	0.37	12	143	0.091	0.003	20.7	45000	0.029	0.019	0.048	0.012	1.11	9.5	85.1	0.017
716_40	<0.001	1.9	0.65	27.1	144	0.14	0.002	48.7	39200	0.027	0.031	0.08	<0.01	1.54	14.9	72.8	0.026
716_47	0.004	25.3	0.23	28.7	0.82	0.33	<0.001	31.4	34400	0.017	0.26	0.046	<0.01	0.76	11	25.9	0.02
716_61	0.028	450	0.2	23	7.15	0.36	0.002	32.5	18100	0.049	2.62	0.18	0.3	0.81	38.1	254	0.16
716_69	<0.001	157	0.26	9.76	2.96	0.27	0.004	21.7	27800	0.36	1.19	0.061	<0.01	0.21	55.1	39.5	0.043
716_70	0.001	82.8	0.1	41.9	69.2	0.08	0.002	38	34200	0.023	0.18	0.07	0.13	0.48	68.8	51.5	0.046
716_91	0.009	111	0.14	24.9	134	0.12	0.002	34.4	31600	0.069	0.13	0.093	0.038	1.1	219	12.7	0.033

IDNR	Ag	Al	As	B	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
716_94	<0.001	5.37	0.077	135	52.6	0.045	<0.001	220	17000	0.16	0.034	0.032	0.094	0.26	4.5	81.8	0.007
716_99	0.017	484	0.086	14.7	22.8	1.04	0.002	23.6	4510	0.67	3.23	0.14	0.46	0.27	83.4	212	0.14
716_103	<0.001	82.6	0.097	22.7	106	0.044	0.001	21.9	22400	0.94	0.11	0.07	0.07	0.15	19.4	55.8	0.016
716_105	0.002	111	4.39	32.5	1	0.071	0.002	19.1	280	0.087	0.68	0.084	0.37	0.042	32.2	24.6	0.031
716_107	0.003	97.4	0.082	11	15.7	0.04	<0.001	40.9	44700	0.48	0.073	0.32	0.028	0.052	9.52	17.8	0.012
716_108	0.001	92.8	<0.025	8.56	0.29	0.032	<0.001	20.1	209	0.48	0.018	0.009	<0.01	0.013	5.47	45.1	0.025
716_118	<0.001	17.2	0.14	17.5	20.4	0.078	0.001	29	41000	0.05	0.038	0.036	0.038	0.074	5.52	103	0.006
716_122	<0.001	448	0.36	318	48.6	0.058	0.001	1430	6020	0.13	0.054	0.12	5.67	0.099	1.1	121	0.046
716_125	0.004	358	0.56	50	134	0.065	0.004	274	42200	0.079	0.13	0.099	0.34	0.16	5.43	12	0.051
716_126	<0.001	26.3	0.031	6.74	0.21	0.021	<0.001	16	60	0.01	0.068	<0.005	<0.01	0.009	16.8	16	0.008
716_131	<0.001	91.8	0.1	24.9	13.8	0.021	<0.001	22.1	42100	0.42	0.019	0.044	0.011	0.21	3.46	12.9	0.015
716_137	0.002	241	0.77	28	114	0.29	0.002	39	49000	0.2	1.02	1.12	0.32	0.33	19.8	250	0.09
716_143	0.001	174	0.15	48.5	11.9	0.032	<0.001	54.2	45200	1.81	0.061	0.1	0.21	0.6	3.46	113	0.029
716_146	0.007	81.4	0.13	23.5	9.89	0.041	<0.001	51.9	70000	0.89	0.034	0.12	0.15	0.5	10.1	116	0.012
716_159	<0.001	3.73	0.034	15.4	44.1	0.018	<0.001	60.2	45900	0.031	0.15	0.049	<0.01	0.1	4.15	102	0.004
716_167	<0.001	7.88	0.66	12.3	7.09	0.041	<0.001	16.2	34400	0.016	0.054	0.011	<0.01	0.1	2.43	7.64	0.008
716_171	0.006	19.1	0.59	41.7	16.4	0.042	0.001	38.5	46900	0.043	0.2	0.76	<0.01	0.025	35.6	24.1	0.017
716_177	<0.001	34	1.84	106	68.7	0.026	<0.001	529	7300	0.025	0.015	<0.005	2.27	0.59	0.5	7.52	0.013
716_190	0.044	156	3.22	27.4	6.45	0.006	0.002	35.2	19700	0.4	0.22	0.2	0.51	0.05	52.8	27.9	0.057
716_197	0.007	326	0.82	36.4	9.46	0.017	0.002	33.6	6140	0.027	0.8	0.38	0.81	0.14	5.01	283	0.14
716_207	<0.001	91.2	0.78	18.3	9.22	0.014	0.001	36	25900	0.36	0.19	0.33	0.61	0.17	58.8	42.2	0.038
716_215	0.003	125	0.58	4.52	43.4	0.071	0.001	12.7	17000	0.13	1.62	0.099	0.28	0.072	12.4	14.5	0.031
716_221	<0.001	97	0.18	69.7	140	0.012	0.001	26.9	31300	0.052	0.19	0.074	0.33	0.093	12.8	59.4	0.033
716_229	<0.001	6.41	0.095	2.96	85.5	0.021	<0.001	12.5	29000	0.032	0.041	0.051	0.13	0.094	21.4	3.53	0.006
716_234	0.002	15.9	0.056	6.84	2.08	0.14	<0.001	19	34500	0.038	0.05	0.055	0.12	0.043	10	<2	0.006
716_239	<0.001	14.9	0.92	38.4	95.7	0.027	<0.001	39.8	27600	0.33	0.37	0.051	0.33	0.35	32.7	15.6	0.014
716_249	<0.001	3.2	0.45	44.7	16.5	0.018	0.001	45.7	58100	0.034	0.083	0.26	0.28	0.52	1.62	14.7	0.006
716_255	<0.001	17.7	0.31	206	139	0.006	<0.001	37	23000	0.025	0.052	0.047	0.37	0.73	4.29	53.4	0.017
716_262	0.001	136	0.19	13.8	72	0.15	0.001	35.2	44400	0.051	0.35	0.14	0.55	0.12	28.5	65.5	0.021
716_268	<0.001	43.8	0.12	4.23	29.7	0.029	0.001	18.1	40700	0.059	0.037	0.072	0.32	0.17	4.97	<2	0.007
716_278	0.015	417	1.25	16.8	130	0.15	0.002	30	45900	0.83	1.81	4.09	0.76	0.21	1110	283	0.44
716_288	0.002	1.72	0.097	19.7	59	0.029	0.002	18.3	68700	0.01	0.02	0.085	0.29	0.1	10.4	57.5	0.019
716_292	<0.001	196	1.89	70.2	12.7	0.028	0.002	155	4060	0.09	0.25	0.049	0.97	0.26	11.9	27.2	0.051
716_300	<0.001	66.8	1.03	45.4	18.9	0.022	0.001	65	14800	0.14	0.037	0.046	0.37	0.29	1.5	12.7	0.039
716_306	0.003	215	0.14	9.14	69.4	0.065	0.001	17.7	32000	0.27	0.4	0.18	0.5	0.091	38.2	122	0.053
716_313	0.001	14.7	0.1	2.2	7.41	0.18	<0.001	18	25300	0.029	0.33	0.11	0.12	0.08	54.2	4.35	0.016
716_317	<0.001	7.42	0.25	23.1	16.8	0.01	0.002	37.5	59400	0.4	0.098	0.1	0.3	0.6	6.92	157	0.012
716_327	<0.001	14.7	0.45	10.8	94.9	0.12	<0.001	36	41100	0.014	0.11	0.036	0.21	0.77	1.52	16.8	0.013
716_334	0.002	118	0.099	<0.01	7.1	0.24	<0.001	10.9	8480	0.021	2.12	0.13	0.2	0.18	63.8	28.7	0.036
1201_1	<0.001	44.4	0.49	23.9	13.4	0.079	0.002	54.8	23600	0.026	1.22	0.057	0.22	0.21	78.4	176	0.038
1201_2	<0.001	29.5	0.28	12.3	18.5	0.02	<0.001	36.2	27200	0.027	0.15	0.038	0.2	0.056	75	9.37	0.021
1201_3	<0.001	17.4	1.02	39.4	26.7	0.11	0.001	94.5	34200	0.025	0.79	0.21	2.35	0.047	46	404	0.043
1201_4	0.074	2020	4.77	181	63.7	1.99	0.16	156	4160	0.081	140	8.12	18.7	1.87	53.1	4940	3.06
1201_5	<0.001	20.3	1.88	103	49.3	0.017	0.003	51.9	14100	0.019	0.49	0.04	0.32	0.067	9.5	16.1	0.062
1201_8	<0.001	20	1.2	220	8.5	0.034	0.007	70.2	1860	0.046	0.36	0.024	0.32	0.055	10.2	35.3	0.065
1201_9	<0.001	22.8	3.95	104	9.93	0.028	0.002	40.7	11100	0.064	0.074	0.05	0.31	0.042	8.66	8.8	0.03
1201_10	<0.001	17.5	0.66	9.93	14.2	0.052	0.009	35	41200	0.082	0.76	0.35	0.72	0.028	21	107	0.093
1201_11	<0.001	51.6	1.45	24.2	2.67	0.024	0.009	30.8	3270	0.025	0.28	0.05	0.35	0.12	3.33	48.5	0.048
1233_1	0.001	81.6	0.027	<0.01	34.5	0.011	0.001	9.66	5210	0.037	0.29	0.79	0.17	0.1	28.1	16.7	0.017
1233_2	<0.001	142	0.16	17.7	45.1	0.083	0.002	13.2	12700	0.15	0.46	0.22	0.17	0.29	43.2	33.8	0.032
1233_3	<0.001	64	<0.025	7.41	2.72	0.43	0.002	9.05	26400	0.11	0.21	0.029	0.23	0.62	5.93	26.5	0.024
1233_4	<0.001	38.2	0.26	14.8	0.93	0.022	0.003	11.2	32100	0.068	0.091	0.075	0.16	0.66	21.2	44.4	0.019
1233_5	<0.001	76.5	0.25	3.47	2.17	0.053	0.002	7.43	23100	0.02	0.098	0.091	0.42	0.69	12.2	104	0.037

IDNR	Ag	Al	As	B	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1233_6	0.014	1750	0.95	<0.01	27.6	0.4	0.1	11.3	3370	0.11	15.6	1.48	4.99	1.08	73.3	2750	0.94
1233_7	<0.001	3.47	0.12	12.5	0.44	0.009	<0.001	13.9	31100	0.04	0.007	0.031	0.12	0.64	3.74	4.9	0.037
1233_8	0.01	130	0.075	1.43	16.7	0.69	0.001	26.7	13800	0.16	1.66	0.57	0.035	0.049	84.8	241	0.032
1233_9	<0.001	191	0.064	3.95	10.4	0.01	0.002	3.32	14500	0.63	0.045	0.038	0.082	0.004	1.18	22.8	0.025
1233_10	<0.001	6.33	0.092	36.4	0.89	0.016	0.001	10.9	42400	0.028	0.21	0.048	0.17	0.31	0.25	10.7	0.013
1243_1	<0.001	3.22	<0.025	5.5	4.56	0.004	0.001	81.9	34400	0.01	0.014	0.07	0.45	0.021	17.1	5.58	0.005
1243_2	<0.001	4.24	0.042	1.99	34.9	0.004	0.001	22.4	13300	0.017	0.067	0.078	0.63	0.082	21.5	<2	0.004
1243_4	0.001	19.9	0.14	37.9	3.89	<0.002	0.001	86.8	17400	0.003	0.018	0.051	0.52	0.04	17.7	17.8	0.023
1243_5	<0.001	119	0.087	3.69	36.4	0.012	0.002	45.2	23000	0.017	2.03	0.17	0.72	0.064	60.1	120	0.053
1243_6	<0.001	10.1	0.34	15.7	61.8	0.002	<0.001	31.9	20300	0.014	0.006	0.077	0.34	0.029	90.3	8.32	0.022
1245_1	0.002	31.6	0.04	407	12.7	0.024	0.002	143	2380	0.009	5.74	0.066	0.26	0.043	2.37	25.5	0.087
1245_2	<0.001	21.7	0.14	409	20.1	0.009	0.001	103	1030	0.005	2.33	0.031	0.31	0.13	0.35	9.52	0.2
1245_3	<0.001	43.5	0.5	248	6.24	0.006	0.013	80.7	1010	0.008	1.08	0.062	0.23	0.1	5.55	37.7	0.049
1246_1	<0.001	20.4	0.21	117	2.04	0.009	0.001	49.8	7050	0.003	0.29	0.013	0.26	0.033	2.32	19.4	0.026
1246_2	<0.001	37.5	0.41	178	32	0.013	0.001	71.2	5770	0.026	2.22	0.048	0.3	0.047	0.9	27.1	0.22
1246_3	<0.001	41.7	0.26	202	11.1	0.014	<0.001	37.7	4010	0.026	0.18	0.019	0.19	0.019	9.88	36.4	0.26
1246_4	<0.001	1.72	0.13	395	13.1	0.068	0.002	813	23200	0.011	5.35	0.072	0.13	0.15	0.71	226	0.048
1246_5	<0.001	11	0.052	72.2	43.3	0.005	0.002	58.4	21800	0.009	0.11	0.04	0.039	0.043	19	44.7	0.009
1246_6	<0.001	2.48	0.56	19.9	157	0.006	<0.001	75.6	42000	0.006	1.16	0.22	0.19	0.12	2.28	1150	0.057
1246_7	0.002	191	0.63	5.15	18.4	0.002	0.002	67.8	9650	0.024	13.1	0.22	0.54	0.024	53.2	170	0.31
1246_8	<0.001	8.44	0.11	60.6	36.6	0.009	0.001	123	34000	0.094	0.48	0.072	0.35	0.078	28.9	24.1	0.028
1246_9	<0.001	8.13	1.6	471	74.2	0.009	0.001	790	23300	0.008	2.47	0.058	0.15	0.41	18.5	47	0.083
1246_10	<0.001	20.6	0.11	854	3.57	0.009	<0.001	136	1610	0.011	0.076	0.017	0.15	0.042	4.81	8.35	0.32
1246_11	<0.001	85.6	0.7	433	3.79	<0.002	0.001	87.2	3620	0.022	1.79	0.11	0.36	0.051	16.3	38.8	0.21
1247_1	0.019	86.9	0.2	88.2	14.2	0.018	0.002	82.7	6470	0.011	2.03	0.098	0.39	0.15	15.9	130	0.07
1247_2	0.009	317	0.51	78	7.71	0.052	0.01	109	3470	0.007	7.76	0.23	1.2	0.093	8.08	425	0.19
1247_3	0.005	128	0.26	24.4	19.4	0.19	<0.001	120	11000	0.11	17.7	0.096	0.93	0.084	52.6	3940	0.17
1247_4	0.005	242	0.29	66.3	2.72	0.078	0.001	93.4	1620	0.008	12.3	0.11	0.49	0.14	1.13	655	0.21
1247_5	<0.001	9.4	0.076	6.41	12.4	0.009	<0.001	42.6	9280	0.02	0.39	0.092	0.13	0.14	24.1	66.8	0.01
1247_6	<0.001	17	0.23	85.2	56.5	0.1	0.001	48.2	11800	0.004	0.89	0.026	0.3	0.05	0.92	83.6	0.22
1247_7	0.01	93.8	0.2	345	27.1	0.098	0.002	51.6	13300	0.008	7.53	0.096	0.38	0.22	32.7	336	0.14
1247_8	<0.001	26.6	0.16	138	6.08	0.036	0.003	56.3	9370	0.005	1.26	0.037	0.32	0.033	1.06	99.6	0.031
1247_9	0.005	112	0.19	6.92	7.01	0.009	0.003	39	22700	0.039	1.94	0.37	0.34	0.066	193	131	0.047
1247_10	0.009	242	0.35	3.54	10.1	0.031	0.004	45	15100	0.061	3.74	0.24	0.77	0.1	119	323	0.098
1266_1	<0.001	34.3	0.13	22.3	2.81	0.014	0.001	73.8	9540	<0.002	3.34	0.67	0.14	0.006	1.58	1060	0.05
1266_2	<0.001	35.6	0.068	7.9	3.3	0.014	0.001	31.5	15900	0.012	1.4	0.11	0.05	0.017	5.12	383	0.07
1266_3	<0.001	15.7	0.039	17.1	1.65	0.003	0.001	33.1	18000	0.032	0.24	0.023	0.15	0.034	8.91	9.19	0.027
1266_4	<0.001	100	0.038	13.6	4.36	0.004	0.001	29.7	14000	0.64	0.24	0.049	0.15	0.027	17.1	157	0.043
1266_5	<0.001	2.6	0.042	36.8	4.36	<0.002	<0.001	82.5	7130	0.009	0.018	0.02	0.089	0.015	0.5	28.7	0.026
1266_6	<0.001	13.3	0.05	22.8	1.31	<0.002	0.001	29.8	5330	5.54	0.017	0.016	0.044	0.006	19.4	11.8	0.11
1266_7	0.001	99.7	0.19	49.4	1.98	0.037	0.002	72.7	3420	0.011	6.5	0.092	0.24	0.015	3.55	313	0.08
1266_8	<0.001	5.68	<0.025	12.6	11.3	0.006	<0.001	25.6	28300	0.02	0.27	0.023	0.39	0.11	8.15	2.04	0.044
1266_9	<0.001	18.1	1.2	81.4	20.1	<0.002	0.002	1320	54500	0.045	0.063	0.057	0.59	0.021	12.3	25.7	0.065
1266_10	<0.001	74.9	0.24	6.43	184	0.007	<0.001	36.3	17100	0.004	0.11	0.08	0.35	0.035	0.25	138	0.046

IDNR	Ge	Hf	Hg	In	I	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
702_2	0.036	0.057	0.038	<0.001	1.17	5280	0.062	3.75	1420	4.75	18.6	94600	0.002	0.23	23	0.77	3.49
702_5	0.017	<0.002	<0.005	0.001	1.15	4940	1.25	1.09	10600	245	10.1	16200	0.059	3.84	<1	6.15	4.1
702_7	0.009	<0.002	0.018	<0.001	1.14	2800	0.011	11.6	14200	5.51	7.57	27600	<0.002	0.8	<1	0.25	2.55
702_10	0.014	<0.002	0.011	<0.001	1.32	838	0.021	1.08	5670	1.25	0.78	5180	<0.002	0.13	<1	0.11	0.93
702_11	0.03	0.009	<0.005	<0.001	4.44	3900	0.009	12.4	15800	52.5	4.15	41200	<0.002	0.35	52.4	0.13	2.6
702_16	0.012	<0.002	0.005	<0.001	1.69	3700	0.031	0.85	3020	1.61	0.57	6370	<0.002	0.1	18.3	0.26	2.95
702_20	0.012	<0.002	<0.005	<0.001	1.67	1790	0.02	3.19	10600	67.9	2.22	6510	<0.002	0.16	<1	0.27	1.44
702_24	0.016	<0.002	<0.005	<0.001	1.07	482	0.003	2.53	8220	36.9	0.99	31100	<0.002	0.16	<1	0.2	0.43
702_28	0.011	<0.002	<0.005	<0.001	1.27	629	0.065	0.79	4120	33.4	1.46	9180	0.002	0.7	<1	0.3	0.67
702_32	0.012	<0.002	<0.005	<0.001	0.78	925	0.28	2.23	2190	5.98	5.9	40800	0.005	1.88	27.1	3.85	1.31
702_33	0.01	<0.002	<0.005	<0.001	1.25	662	0.22	0.74	6340	2.7	0.66	3740	0.006	0.34	<1	0.13	0.79
702_34	0.006	<0.002	<0.005	<0.001	1.48	482	0.12	0.64	7420	1.79	0.63	3460	<0.002	0.32	<1	0.26	0.51
702_36	0.014	0.051	0.022	<0.001	1.49	594	0.042	1.31	10300	9.07	2.1	6070	0.002	0.34	<1	0.15	0.76
702_37	0.014	0.008	0.059	<0.001	7.35	2110	0.059	8.85	13900	11.1	38	17700	0.002	0.7	<1	0.36	1.95
702_39	0.017	0.03	0.034	<0.001	16.1	3180	0.048	15.3	20600	1.05	1.75	24800	0.002	0.77	<1	0.31	2.18
702_46	0.009	<0.002	<0.005	<0.001	2.24	1010	0.25	0.44	3790	2.17	0.062	4650	<0.002	0.31	4.24	0.36	1.01
702_58	0.024	0.007	0.09	<0.001	4.88	2770	0.059	9.06	16900	13.6	2.67	16400	0.005	0.5	11.9	0.33	2.71
702_64	0.01	<0.002	0.049	<0.001	1.49	472	0.031	0.59	9250	1.46	0.82	3940	0.002	0.12	5.12	0.13	0.53
702_68	0.014	<0.002	0.034	<0.001	1.63	2070	0.17	1.4	4800	1.67	0.16	5600	<0.002	0.33	49.3	0.57	2.18
702_71	0.011	<0.002	0.031	<0.001	1.33	1060	0.04	3.09	3300	1.24	1.74	8320	0.003	0.41	52.6	0.99	0.73
702_74	0.014	<0.002	0.028	<0.001	1.21	1830	0.042	0.69	8070	3.78	0.51	5640	0.002	0.25	3.94	0.16	0.89
702_76	0.015	<0.002	0.022	<0.001	1.14	1510	1.48	1.57	3460	11.7	0.89	6120	0.008	0.32	<1	0.55	2.3
702_77	0.012	<0.002	0.031	<0.001	1.12	454	0.037	1.64	2250	1.7	0.5	3720	0.021	0.44	17.1	0.88	0.36
702_80	0.022	0.019	0.095	0.001	1.54	895	0.017	14.6	4610	1.06	22	34300	0.012	0.33	8.17	0.2	0.89
702_81	0.011	0.032	0.035	<0.001	1	2090	0.14	0.52	4440	12.5	0.47	3940	<0.002	0.59	4.09	0.47	2.37
702_82	0.009	0.014	0.03	<0.001	0.79	1520	0.031	1.07	7200	3.08	0.75	4450	0.002	0.3	1.55	0.23	1.54
702_83	0.01	0.074	0.026	<0.001	1.76	455	0.13	7.89	5870	13.1	4.6	26800	0.008	1.18	3.88	0.44	0.83
702_84	0.014	0.015	0.036	<0.001	1.51	4660	0.012	5.32	6680	1.73	15	54700	<0.002	0.22	5.39	0.23	4.25
711_2	0.016	0.015	0.044	0.001	0.86	1080	0.11	0.64	2230	8.25	2.01	3980	0.004	0.31	<1	0.39	1.55
711_13	0.022	0.08	0.047	<0.001	1.43	7210	0.073	3.28	7320	265	103	28900	0.018	0.33	6.61	2.23	4.93
711_19	0.063	0.065	0.091	0.001	1.09	4420	0.27	5.43	6730	97.1	27.3	34800	0.21	0.63	25.5	0.62	5.88
711_22	0.04	0.11	0.24	0.002	0.87	4140	0.21	8.4	2550	63.2	263	113000	0.57	1.04	11.3	1.65	7.47
711_27	0.035	<0.002	0.06	0.001	4.65	2370	0.009	11	13900	66.6	91.9	25700	0.024	1.18	11.8	0.26	8.16
711_28	0.038	0.008	0.093	<0.001	1.69	3360	0.55	2.9	3650	21.9	18.2	12800	0.15	1.54	184	1.12	3.5
711_31	0.045	0.016	0.15	0.001	1.49	4420	0.021	8.59	6280	10.7	41.8	63000	0.038	0.9	16.5	0.89	7.17
711_42	0.042	0.004	0.077	0.002	0.54	422	0.22	0.3	470	8.76	0.17	2930	0.008	0.67	11.8	0.58	0.88
711_43	0.047	<0.002	0.22	<0.001	2.87	557	0.042	25.5	1440	6.05	96.6	56000	0.018	0.22	7.87	0.15	1.36
711_44	0.041	0.066	0.022	0.001	3.81	1040	6.09	0.36	642	16.1	0.55	3810	0.068	2.04	65.6	5.5	1.8
716_3	0.014	0.003	0.011	<0.001	0.89	6470	0.19	2.41	5120	3.14	0.12	9160	0.01	0.65	697	0.38	5.44
716_8	0.028	0.008	0.016	<0.001	5.79	15400	0.19	8.54	4740	55.6	0.44	18500	0.045	0.41	1730	0.091	8.69
716_11	0.047	0.13	0.049	0.001	6.93	5530	2.28	8.85	2590	55.8	1.55	68500	0.17	0.84	129	0.5	3.04
716_12	0.11	0.068	0.24	0.008	6.4	1840	0.19	11.6	850	20.7	3.22	121000	0.032	0.12	30.3	0.14	2.54
716_22	0.022	<0.002	0.092	0.001	2.4	2850	0.16	0.55	2880	1.05	0.2	9120	0.014	1.05	32.9	0.64	1.91
716_23	0.013	<0.002	0.05	<0.001	2	2120	0.029	2.97	5060	2.92	0.3	16800	0.006	0.89	25.5	0.043	1.69
716_26	0.037	<0.002	0.038	<0.001	1.28	13300	0.55	1.21	4270	26.4	0.22	13100	0.052	2.89	2270	0.8	9.18
716_28	0.035	0.002	0.081	0.002	2.41	9470	0.03	15.4	11500	67.2	1.22	20900	0.021	0.91	1350	0.081	8.28
716_38	0.031	<0.002	0.049	0.001	3.36	2150	0.023	6.74	11400	0.76	0.97	12300	0.005	0.75	13.1	0.18	3.98
716_40	0.021	<0.002	0.057	<0.001	5.1	24600	0.027	15.2	14300	240	2.74	34600	0.008	0.85	98.1	0.11	12.5
716_47	0.014	<0.002	0.049	<0.001	3.55	4750	0.093	4.05	7610	67.7	0.5	14100	0.02	0.65	24.9	0.09	3.03
716_61	0.025	0.003	0.05	0.001	2.91	1760	1.62	2.44	3540	54.7	0.1	8420	0.13	1.02	423	1.11	3.01
716_69	0.018	0.076	0.045	0.001	1.47	664	1.33	0.99	2110	44.1	0.33	7750	0.06	0.85	42.7	1.07	1
716_70	0.02	0.076	0.085	<0.001	7.01	4490	0.22	9.01	8080	149	2.07	24800	0.019	1.14	180	0.65	3.3
716_91	0.022	0.009	0.066	<0.001	2.9	4680	1.23	1.02	4870	13.8	0.18	7710	0.008	2.06	141	1.73	6.31

IDNR	Ge	Hf	Hg	In	I	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
716_94	0.01	0.12	0.063	<0.001	16.1	3460	0.028	14.6	10200	32.1	79.7	157000	0.008	0.31	10.9	0.088	4.11
716_99	0.036	0.011	0.12	0.001	3.12	956	1.72	1.45	2110	8.16	0.17	5870	0.11	1.73	87.5	3.36	1.84
716_103	0.022	0.014	0.078	<0.001	3.31	1920	0.14	4.14	12900	2.02	7.9	25200	0.007	1.23	22.6	0.21	2.44
716_105	0.018	<0.002	0.03	<0.001	1.07	1220	0.44	1.54	158	4.3	0.38	81000	0.021	0.36	1900	0.26	0.97
716_107	0.012	<0.002	0.074	<0.001	2.68	1170	0.099	1.93	10600	3.28	0.97	7320	0.002	1.18	15.5	0.26	1.14
716_108	0.012	<0.002	0.06	<0.001	2.2	335	0.017	0.51	51.7	1.67	0.16	67800	0.002	0.38	24.4	0.15	0.27
716_118	0.013	0.002	0.073	<0.001	5.77	1770	0.045	4.75	14100	1.02	2.05	13300	0.005	1.04	20.4	0.19	1.7
716_122	0.11	0.013	0.12	<0.001	300	11200	0.04	9.31	9200	191	30.6	459000	0.057	0.28	978	0.34	3.52
716_125	0.024	<0.002	0.13	0.002	36.4	2050	0.28	17.4	23400	233	3.14	63000	0.013	1.15	133	0.31	2.04
716_126	0.016	0.071	0.088	<0.001	2.19	28.1	0.05	2.04	26.6	1.41	0.87	98600	0.004	<0.002	21.4	0.095	0.12
716_131	0.009	0.032	0.074	<0.001	6.83	3690	0.036	8.37	15400	3.16	1.91	14300	0.002	1.14	31.9	0.41	2.57
716_137	0.022	0.023	0.068	0.001	3.49	2550	0.71	7.68	11900	146	1.69	26300	0.081	1.63	296	3.59	6.61
716_143	0.013	0.01	0.05	<0.001	9.6	3670	0.047	7.14	14500	3.47	0.9	26600	0.005	2.95	36.3	0.58	6.33
716_146	<0.002	<0.002	0.036	<0.001	6.03	3310	0.05	7.29	11800	3.82	0.37	16600	0.002	3.96	53.1	1.67	4.91
716_159	0.005	<0.002	0.054	<0.001	2.85	1480	0.12	0.19	10100	0.66	0.071	6490	0.006	0.8	13	0.079	1.32
716_167	0.006	<0.002	0.046	<0.001	2.07	607	0.045	3.83	6810	8.98	4.43	13400	0.004	0.71	8.76	0.24	1.03
716_171	0.002	<0.002	0.048	<0.001	3.58	24100	0.11	1.5	6670	20.4	0.26	18000	0.004	1.86	1310	0.2	18.4
716_177	0.013	0.018	0.048	<0.001	48.5	2750	0.018	5.89	6030	4.32	10.7	237000	0.004	0.11	21.9	0.06	4.51
716_190	0.014	0.026	0.019	<0.001	2.89	1210	0.15	1.02	3860	<0.1	1.57	37500	0.098	0.81	74.3	0.53	1.15
716_197	0.018	0.027	0.023	<0.001	3.83	1870	0.4	1.35	1670	33.5	4.05	76700	0.11	0.88	15.8	0.37	1.53
716_207	0.019	0.013	<0.005	<0.001	1.57	3440	0.094	1.94	5080	<0.1	0.84	6790	0.045	1.71	1720	1.17	5.01
716_215	0.018	0.011	<0.005	<0.001	0.93	543	0.91	2.33	4960	<0.1	0.72	11000	0.012	0.8	10.5	0.23	0.93
716_221	0.013	0.015	<0.005	<0.001	8.15	3380	0.33	9.38	14000	<0.1	4.05	25400	0.02	0.79	62.7	0.27	2.52
716_229	0.015	0.012	0.016	<0.001	1.42	1050	0.078	2.85	9770	2.55	2.84	9990	<0.002	0.94	<1	0.28	1.26
716_234	0.015	0.003	<0.005	<0.001	1.78	640	0.25	0.73	2130	<0.1	0.076	5640	0.002	0.79	<1	0.41	0.56
716_239	0.017	0.013	0.012	<0.001	6.05	2160	0.28	6.24	10600	<0.1	7.14	46900	0.004	1.24	4.6	0.87	2.29
716_249	0.01	0.007	0.022	<0.001	11.3	4520	0.059	13.7	24600	70.2	4.25	24100	<0.002	1.51	56.2	0.075	2.8
716_255	0.009	0.012	0.026	<0.001	29.3	8850	0.041	8.66	30200	11.3	7.3	31800	<0.002	0.65	23.2	0.063	3.75
716_262	0.012	0.006	0.029	<0.001	3.36	3310	0.48	2.42	6910	57	0.69	7240	0.015	1.72	40.9	0.3	2.53
716_268	0.01	0.005	0.029	<0.001	3.35	805	0.041	4.26	5690	<0.1	4.59	7820	0.002	1.43	48.9	0.24	0.84
716_278	0.02	0.009	0.017	0.005	3.78	2450	2.1	6.83	11300	1380	0.46	9370	0.1	5.64	415	22.5	2.64
716_288	0.005	0.035	0.095	<0.001	4.67	1400	0.032	1.3	13600	<0.1	0.5	12900	0.004	1.79	39.5	0.23	0.99
716_292	0.014	0.073	0.12	<0.001	3.48	1460	0.18	12.4	1180	<0.1	13.4	120000	0.018	0.65	366	0.22	1.39
716_300	0.016	0.028	0.091	0.001	3.24	2310	0.029	9.97	6780	19.6	12.5	77600	0.006	0.76	27.1	0.14	1.69
716_306	0.011	0.014	0.034	<0.001	1.83	996	0.86	0.98	10900	<0.1	0.24	4550	0.018	1.62	81.8	0.68	1.11
716_313	0.011	0.006	0.022	<0.001	1.28	1020	0.66	1.4	2460	18.2	0.041	5360	0.004	0.82	22.4	0.5	1.13
716_317	0.012	0.023	0.015	<0.001	3.8	3650	0.096	9.4	16400	<0.1	2.83	18400	0.002	1.13	46.1	2.72	4.64
716_327	0.007	0.01	0.006	<0.001	2.36	1910	0.19	9.4	10500	<0.1	0.72	17400	0.004	0.66	32.2	0.072	3.09
716_334	0.014	0.013	<0.005	<0.001	1.17	1420	1.28	0.51	955	<0.1	0.041	2910	0.03	0.53	42.2	0.86	1.16
1201_1	0.016	0.031	0.036	<0.001	1.87	1980	0.69	6.16	4630	11.1	9.31	18400	0.013	2.54	<1	0.4	4.24
1201_2	0.02	0.018	0.008	<0.001	1.2	1850	0.094	8.69	4570	9.59	12.2	12000	0.002	0.43	<1	0.39	3.02
1201_3	0.025	0.013	<0.005	<0.001	2.01	8280	0.72	6.21	8280	126	2.32	75500	0.008	0.99	17.6	0.47	5.67
1201_4	0.32	0.75	0.1	0.02	2.04	11500	98.2	16.3	5420	282	14.5	128000	1.75	14.3	409	44.4	25.7
1201_5	0.035	0.095	0.34	<0.001	1.41	4420	0.31	7.82	3410	<0.1	13.3	67800	0.012	0.3	16.4	0.14	2.64
1201_8	0.16	0.12	1.16	<0.001	5.95	2900	0.18	4.28	946	<0.1	35.7	109000	0.024	0.17	18.9	0.5	2.6
1201_9	0.008	0.032	0.38	<0.001	1.21	5610	0.044	4.96	3360	81.5	27.5	66800	0.008	3.08	19.4	1.07	2.67
1201_10	0.018	0.009	0.012	<0.001	1.57	1680	0.3	3.47	2260	1150	3.37	9150	0.013	2.3	<1	2.49	2.81
1201_11	0.007	0.015	0.033	<0.001	0.91	7180	0.19	3.34	2040	<0.1	6.66	48200	0.074	0.49	<1	0.29	3.13
1233_1	0.007	0.003	<0.005	<0.001	0.31	1570	0.2	0.26	1040	<0.1	0.063	3010	0.002	2.11	<1	0.74	2.28
1233_2	0.014	0.005	0.035	<0.001	0.46	1310	0.46	7.77	3340	87.8	14.5	16300	0.005	3.83	<1	0.98	3.92
1233_3	0.027	0.008	<0.005	<0.001	0.47	2640	0.44	18.3	1510	<0.1	16.3	4840	0.008	0.79	<1	0.28	9.88
1233_4	0.033	0.008	<0.005	<0.001	0.34	2400	0.089	19.3	1970	<0.1	7.38	4120	0.018	0.83	<1	0.31	9.97
1233_5	0.012	0.005	<0.005	<0.001	0.55	2990	0.12	10.8	1250	14.7	6.63	3120	0.01	0.62	332	0.44	7.68

IDNR	Ge	Hf	Hg	In	I	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1233_6	0.092	0.038	<0.005	0.002	2.35	4480	10.3	4.72	1460	61.9	0.58	2500	0.49	4.85	885	5.79	15.9
1233_7	0.013	0.003	<0.005	<0.001	1.69	3570	0.022	12.5	3550	<0.1	14.3	6910	0.002	0.51	<1	0.15	6.52
1233_8	0.021	0.011	<0.005	<0.001	0.86	1760	2.2	1.1	1870	57.2	0.38	2810	0.006	1.19	<1	8.85	4.3
1233_9	0.008	0.02	0.026	<0.001	0.63	854	0.15	0.3	934	<0.1	1.55	1420	0.005	1.15	8.52	0.22	0.47
1233_10	0.093	0.095	0.14	<0.001	0.87	1730	0.11	18.7	3090	22.6	15.5	8970	0.005	0.95	<1	0.057	4.94
1243_1	0.007	0.002	0.005	<0.001	1.59	4730	0.091	1.85	4350	<0.1	0.59	9890	<0.002	0.73	<1	0.35	0.88
1243_2	0.009	<0.002	0.01	<0.001	0.95	2450	0.16	0.49	2630	<0.1	1.17	7060	0.002	0.56	<1	0.49	5.42
1243_4	0.055	0.003	0.099	<0.001	4.28	1170	0.015	0.52	1770	10.9	0.29	72200	<0.002	0.85	3.65	0.19	1.03
1243_5	0.009	0.016	0.022	<0.001	1.8	3070	2.63	0.2	2510	<0.1	2.31	11300	0.015	1.32	<1	0.39	4.74
1243_6	0.04	0.002	0.2	<0.001	0.97	2560	0.004	1.16	3210	<0.1	1.16	27600	<0.002	0.58	<1	0.46	1.74
1245_1	0.55	0.036	0.39	0.002	4.92	2350	2.65	5.57	1450	<0.1	1.91	153000	0.021	0.18	450	0.26	2.55
1245_2	0.24	0.044	0.38	<0.001	2.09	2740	1.08	5.05	711	<0.1	2.06	147000	0.018	0.15	175	0.12	2.85
1245_3	0.061	0.008	0.28	<0.001	1.85	3360	0.53	5.02	468	<0.1	1.82	125000	0.029	0.23	66.3	0.22	2.6
1246_1	0.062	0.003	0.093	<0.001	1.61	1750	0.14	3.31	1430	5.81	0.69	58900	0.004	0.42	5.28	0.097	1.36
1246_2	0.074	0.018	<0.005	<0.001	2.26	1980	1.07	4.45	2300	<0.1	1.72	83600	0.01	0.2	60.7	0.11	2.39
1246_3	0.032	0.009	0.034	<0.001	2.6	762	0.22	4.31	374	<0.1	4.45	61400	0.002	0.13	<1	0.18	1.9
1246_4	1.14	0.011	0.017	<0.001	6.68	3030	2.66	47	4560	8.35	4.34	269000	0.011	0.33	525	0.097	7.9
1246_5	0.025	0.11	0.009	<0.001	1.84	3370	0.11	4.24	4600	<0.1	0.56	38500	0.002	0.42	<1	0.23	1.48
1246_6	0.012	0.011	0.02	<0.001	3.07	2250	0.51	2.53	3150	698	0.24	12800	0.002	0.94	<1	0.034	3.87
1246_7	0.064	0.022	0.028	<0.001	2.68	3130	26.3	0.4	1540	<0.1	0.68	8810	0.034	1.78	<1	1.23	4.68
1246_8	0.009	0.015	0.006	<0.001	11.5	4090	0.38	3.5	4290	20.1	1.14	35600	0.015	0.96	<1	0.28	4.35
1246_9	0.29	0.028	0.079	<0.001	15.2	3840	1.16	20.8	4290	56.9	5.24	237000	0.026	0.53	39.5	0.041	6.62
1246_10	0.31	0.03	0.063	<0.001	5.17	732	0.05	4.62	127	<0.1	5.59	140000	0.018	0.15	<1	0.033	1.63
1246_11	0.031	0.009	0.032	<0.001	3.63	1230	1.41	3.29	700	<0.1	7.73	71600	0.011	0.49	30.2	0.27	2.65
1247_1	0.31	0.01	0.039	<0.001	2.07	2640	0.97	6.04	2080	<0.1	1.42	62200	0.034	0.42	19.4	0.33	3.26
1247_2	0.11	0.034	0.005	0.001	4.12	3160	3.76	4.5	936	33	1.15	63300	0.21	0.87	71.9	0.98	2.68
1247_3	0.058	0.018	<0.005	<0.001	16.4	3330	7.25	4.64	3120	216	0.37	25400	0.028	1.4	29.2	2.5	3.57
1247_4	0.08	0.081	0.01	<0.001	5.99	6920	5.99	5.75	1770	41.1	2.78	52000	0.045	0.41	162	0.074	2.31
1247_5	<0.002	0.002	<0.005	<0.001	1.43	2890	0.79	0.88	2100	<0.1	0.15	8970	<0.002	1.11	<1	0.25	3.83
1247_6	0.22	0.019	0.19	<0.001	1.49	3100	0.39	4.49	3900	50.5	2.11	73100	0.01	0.3	<1	0.58	3.66
1247_7	0.5	0.031	0.023	<0.001	1.82	2520	3.37	4.14	2100	3.24	0.99	120000	0.018	0.75	280	0.35	4.9
1247_8	0.26	0.13	0.027	<0.001	2.56	7920	0.61	4.54	3440	70.1	1.56	85600	0.011	0.29	9.4	0.075	2.6
1247_9	0.016	0.008	0.041	<0.001	1.38	2490	1.01	1.34	2250	<0.1	0.18	7900	0.011	0.98	<1	0.88	2.73
1247_10	0.025	0.015	0.023	<0.001	1.42	2300	2.02	1.41	1810	13.1	0.11	7990	0.031	2.7	103	1.74	3.19
1266_1	0.028	0.01	0.018	<0.001	7.02	4380	0.9	2.88	4770	325	0.33	29300	0.01	0.44	<1	0.18	1.14
1266_2	0.027	0.018	0.057	<0.001	1.97	1220	0.51	2.3	880	59.5	6.32	17200	0.01	0.26	<1	0.2	1.99
1266_3	0.061	0.019	0.069	<0.001	1.68	1020	0.15	4.05	1060	<0.1	16.7	25700	0.002	0.42	<1	0.18	2.75
1266_4	0.007	0.006	0.061	<0.001	1.56	1790	0.15	2.12	1850	3.52	4.05	22400	0.002	1.19	<1	0.31	2.48
1266_5	0.23	0.015	0.13	<0.001	4.58	958	0.006	1.54	699	<0.1	8.23	53100	<0.002	0.14	<1	0.069	2.41
1266_6	0.038	0.004	0.072	<0.001	3.01	613	0.006	3.08	205	<0.1	6.35	32800	<0.002	0.13	<1	0.12	1.31
1266_7	0.04	0.009	0.016	<0.001	6.68	5920	2.86	4.45	2180	90.1	0.12	51000	0.021	0.21	174	0.33	1.57
1266_8	0.27	0.002	0.067	<0.001	1.91	2710	0.26	9.35	1310	<0.1	4.45	10500	0.002	0.68	<1	0.13	0.71
1266_9	0.03	0.007	0.041	<0.001	4.49	4340	0.065	4.59	13600	<0.1	4.86	197000	<0.002	1.45	<1	0.65	2.72
1266_10	0.019	<0.002	0.026	<0.001	1.04	2890	0.059	2.57	2710	12.6	0.23	18000	0.002	0.39	<1	0.1	3.94

IDNR	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
702_2	0.81	0.83	0.022	0.008	97.9	<0.001	0.003	0.01	0.63	<0.002	6.38	0.76	1.11	0.55	3.98	0.11
702_5	0.26	1.62	0.084	0.074	374	<0.001	0.003	0.12	6.25	0.032	2.39	0.68	0.026	1.16	22.4	0.24
702_7	0.12	1.27	0.63	<0.005	1590	0.001	0.021	0.003	0.33	0.005	2.75	<0.01	0.008	0.086	9.06	<0.002
702_10	0.016	1.6	0.076	<0.005	477	<0.001	0.006	0.004	0.2	<0.002	2.74	0.61	0.004	0.012	20.2	<0.002
702_11	0.031	1.94	0.19	<0.005	1320	<0.001	0.003	0.003	0.33	<0.002	10.7	1.27	0.034	0.011	29.1	0.011
702_16	0.023	1.38	0.16	<0.005	387	<0.001	0.004	0.004	0.32	<0.002	1.27	0.96	0.004	0.008	285	<0.002
702_20	0.023	1.82	0.043	<0.005	352	0.001	<0.001	0.002	0.49	<0.002	3.5	1.22	0.009	0.009	44.7	<0.002
702_24	0.032	1.9	0.17	<0.005	579	<0.001	0.006	0.001	0.3	<0.002	1.93	6.64	0.047	0.005	4.53	<0.002
702_28	0.056	1.11	0.37	<0.005	856	<0.001	0.004	<0.001	0.68	<0.002	0.34	0.81	0.005	0.076	164	0.018
702_32	0.41	0.92	0.27	0.092	277	0.001	0.015	0.003	5.22	0.002	2.66	2.2	0.068	0.4	9.31	0.11
702_33	0.018	1.4	0.17	<0.005	235	<0.001	0.002	0.001	0.23	0.002	1.63	0.21	0.004	0.023	17.6	<0.002
702_34	0.009	1.48	<0.01	<0.005	183	<0.001	0.006	<0.001	0.37	0.003	0.61	0.1	0.058	0.014	148	<0.002
702_36	0.026	1.61	0.26	0.01	430	<0.001	0.008	0.012	0.55	0.004	2.55	0.35	0.005	0.027	15.7	0.068
702_37	0.026	1.8	0.62	0.075	784	0.001	0.021	0.008	0.36	0.005	4.61	0.18	0.012	0.029	191	0.01
702_39	0.027	2.35	0.29	0.024	457	<0.001	0.014	0.006	0.37	<0.002	9.4	0.82	0.007	0.15	166	0.1
702_46	0.058	1.65	0.18	<0.005	116	<0.001	0.014	0.005	0.48	<0.002	0.31	0.075	0.006	0.1	83.3	<0.002
702_58	0.029	2.38	0.26	<0.005	545	0.007	0.084	0.008	0.37	0.006	9.72	0.36	0.035	0.058	12.1	0.008
702_64	0.01	1.71	0.049	<0.005	239	<0.001	0.025	0.004	0.47	0.01	0.96	0.25	0.092	0.019	32.2	<0.002
702_68	0.04	1.73	0.22	0.031	463	<0.001	<0.001	0.006	0.55	0.002	0.38	0.26	0.007	0.12	45.4	0.009
702_71	0.028	2.19	0.17	<0.005	315	<0.001	0.018	0.003	0.42	0.002	3.04	1.21	0.021	0.025	109	<0.002
702_74	0.016	2.13	0.29	<0.005	137	<0.001	0.002	0.004	0.24	0.002	2.47	0.083	0.16	0.039	21	<0.002
702_76	0.03	1.82	0.27	<0.005	292	0.002	<0.001	0.011	1.08	0.012	3.43	0.3	0.009	0.67	11.7	0.017
702_77	0.025	2.03	<0.01	<0.005	196	<0.001	0.003	0.003	1.22	<0.002	0.9	0.59	0.013	0.016	19.7	0.006
702_80	0.032	2.27	0.039	0.005	497	0.006	0.079	0.015	0.71	0.006	8.19	3.48	0.28	0.012	13.5	0.024
702_81	0.039	1.32	0.27	<0.005	266	<0.001	<0.001	0.011	0.63	0.002	0.53	0.24	<0.002	0.14	89.7	0.047
702_82	0.046	1.24	0.12	<0.005	442	<0.001	0.009	0.007	0.28	0.002	2.9	0.27	0.009	0.037	12.9	0.024
702_83	0.027	1.55	0.41	<0.005	1010	<0.001	0.011	0.032	0.98	0.002	18.6	3.61	0.076	0.028	2.32	0.16
702_84	0.034	1.83	0.7	0.012	576	0.001	0.029	0.011	0.43	0.003	3.61	0.32	0.019	0.02	13.3	0.015
711_2	0.055	1.76	0.025	0.01	149	0.002	0.033	0.02	0.5	0.007	7.59	0.01	0.016	0.92	78.1	0.029
711_13	0.034	2.84	0.32	0.052	141	0.005	0.02	0.026	0.84	0.008	66.7	0.072	0.37	0.53	26.1	0.11
711_19	0.45	2.96	0.34	<0.005	174	0.011	0.065	0.71	0.73	0.006	448	0.15	0.57	1.26	23	1.09
711_22	0.63	2.1	1.18	0.038	69.7	0.036	0.11	0.62	1.13	0.016	373	0.3	5.56	1.54	77.6	1.63
711_27	0.05	2.99	0.77	<0.005	515	0.002	0.042	0.015	0.58	<0.002	891	0.047	0.09	0.32	208	0.017
711_28	0.18	3.37	0.31	0.54	109	0.006	0.052	0.058	0.69	0.007	42	0.19	0.22	2.31	151	0.076
711_31	0.14	2.39	0.46	0.014	139	0.006	0.032	0.062	0.5	0.005	187	0.15	4.03	0.25	350	0.21
711_42	0.15	1.59	0.61	<0.005	34.4	0.005	0.094	0.015	0.51	0.01	0.6	0.064	0.029	0.32	24.5	0.003
711_43	0.039	2.7	0.41	0.007	220	0.002	0.039	0.014	0.5	0.005	82.7	0.17	5.75	0.56	51	0.008
711_44	0.19	2.01	0.37	0.38	22.9	0.007	0.006	0.23	4.65	0.022	1.48	0.93	0.024	9.08	225	0.64
716_3	0.16	2.12	0.46	0.032	328	<0.001	0.006	0.007	0.6	0.002	0.92	1.57	0.007	0.092	216	0.031
716_8	0.19	3.18	0.32	<0.005	313	0.001	0.009	0.013	2.44	0.003	0.41	1.5	0.036	0.082	38.8	0.16
716_11	0.11	2.67	0.42	<0.005	67.1	0.01	0.013	0.44	19.8	0.009	5.17	5.79	0.33	2.12	57.9	3.5
716_12	0.057	2	0.055	0.031	66.9	0.017	0.21	0.041	1.85	0.016	6.58	1.3	1.7	0.13	2.76	0.18
716_22	0.084	2.47	0.7	<0.005	194	0.022	0.051	0.009	0.55	0.005	1.07	0.94	0.13	0.095	43.1	0.071
716_23	0.047	2.76	1.12	0.005	368	0.003	0.015	0.005	0.49	<0.002	3.07	3.25	0.012	0.019	20	0.034
716_26	0.36	3.21	0.73	1.3	298	0.006	0.024	0.011	2.51	0.005	0.4	1.61	0.023	0.16	221	0.18
716_28	0.22	3.87	0.79	0.007	576	0.012	0.1	0.008	0.57	0.005	13.3	3.98	0.022	0.04	10	0.018
716_38	0.025	2.96	0.54	<0.005	699	0.006	0.038	0.008	0.58	0.006	4.68	1.37	0.01	0.046	14	<0.002
716_40	0.024	2.99	0.4	<0.005	456	0.009	0.025	0.006	0.34	0.009	6.84	2.8	0.022	0.15	37.8	<0.002
716_47	0.053	3.31	0.27	<0.005	323	0.003	0.006	0.01	1.07	0.002	3.42	1.81	0.017	0.035	54.8	0.12
716_61	0.1	3.1	0.41	<0.005	147	0.005	0.017	0.036	10.5	0.006	0.36	1.58	0.007	0.49	55.8	0.47
716_69	0.11	2.72	0.15	0.015	251	0.017	0.035	0.035	1.63	0.003	3.6	1.02	0.022	0.23	625	0.44
716_70	0.072	3.46	0.88	0.025	414	0.002	0.017	0.039	2.61	0.004	3.16	0.82	0.018	0.079	91.6	0.15
716_91	0.12	2.28	0.3	0.7	345	0.002	0.006	0.011	0.47	0.004	1.28	0.52	0.019	0.4	201	0.03

IDNR	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
716_94	0.061	2.53	1.03	0.035	603	0.008	0.026	0.023	0.65	<0.002	17.1	0.095	0.2	0.077	61.4	0.24
716_99	0.084	3.51	0.44	0.037	70.9	0.007	0.035	0.05	7.8	0.015	1.03	0.68	0.02	0.58	87.6	0.45
716_103	0.023	2.27	0.38	<0.005	659	0.009	0.024	0.018	0.55	0.002	6.56	0.32	0.018	0.088	351	0.02
716_105	0.24	3.08	0.16	0.007	<0.01	0.003	0.006	0.017	1.18	0.002	0.53	1.39	0.013	0.32	25.6	0.14
716_107	0.02	3.32	0.45	0.007	274	0.002	0.032	0.004	0.28	0.003	2.61	0.19	0.032	0.14	88.3	<0.002
716_108	0.018	2.7	0.25	<0.005	<0.01	0.001	0.019	0.005	0.27	<0.002	3.44	0.36	0.016	0.011	5.07	<0.002
716_118	0.041	4.04	0.15	<0.005	502	0.005	0.016	0.007	0.41	0.002	12.4	0.26	0.016	0.06	44.8	0.002
716_122	0.065	1.98	4.23	0.1	331	0.007	0.024	0.017	0.65	0.003	5.13	0.1	1.75	0.1	6.39	0.32
716_125	0.095	2.9	1.83	0.033	1490	0.008	0.085	0.011	0.9	0.007	17.4	0.67	0.28	0.14	28.2	0.026
716_126	0.022	2.2	0.33	0.076	<0.01	<0.001	0.006	0.013	0.29	<0.002	2.92	0.21	0.046	0.028	3.35	0.11
716_131	0.017	3.21	0.4	<0.005	331	0.003	0.002	0.013	0.32	<0.002	3.16	0.22	0.01	0.044	310	0.047
716_137	0.076	3.72	0.36	0.08	945	0.005	0.001	0.054	6.26	0.003	11.8	2.21	0.049	0.3	172	0.2
716_143	0.041	3.18	0.65	0.01	747	0.001	<0.001	0.013	0.84	<0.002	10.7	1.09	0.011	0.036	141	0.054
716_146	0.05	3.71	0.93	0.023	732	<0.001	0.004	0.005	0.29	<0.002	5.29	0.74	0.011	0.053	394	0.03
716_159	0.017	2.39	0.11	<0.005	238	0.001	0.006	0.002	0.28	<0.002	1.48	0.13	0.006	0.069	12.3	<0.002
716_167	0.02	3.17	<0.01	<0.005	776	0.001	0.012	0.007	0.31	<0.002	14.1	1.62	0.016	0.014	19.6	<0.002
716_171	0.076	2.7	0.21	<0.005	198	0.001	0.004	0.005	0.41	<0.002	0.3	0.7	0.38	0.037	157	<0.002
716_177	0.022	2.15	2.25	0.031	576	0.002	0.018	0.004	0.71	<0.002	38.7	7.13	0.13	0.01	2.17	0.038
716_190	0.1	2.33	1.11	0.034	256	<0.001	0.005	0.03	6.54	0.003	1.22	5.09	0.073	0.11	62.3	0.27
716_197	0.048	2.63	0.15	0.02	94.9	<0.001	<0.001	0.067	24.1	0.004	4.28	12.2	0.13	0.19	26.4	0.17
716_207	0.36	2.34	0.45	0.007	448	<0.001	0.008	0.009	5.2	0.002	0.93	5.88	0.021	0.058	952	0.13
716_215	0.072	1.29	0.37	<0.005	522	<0.001	<0.001	0.013	0.61	0.002	7.59	1.42	0.006	0.24	19.2	0.078
716_221	0.041	1.56	0.31	<0.005	740	<0.001	0.017	0.028	4.55	0.002	8.44	0.49	0.003	0.29	66.2	0.083
716_229	0.019	1.8	0.52	0.04	423	<0.001	0.021	0.001	0.2	0.003	4.16	0.27	0.009	0.051	77.6	0.018
716_234	0.015	2.6	0.12	0.009	243	<0.001	0.004	<0.001	0.46	0.004	0.48	0.1	<0.002	0.076	12.4	0.008
716_239	0.042	2.53	0.6	0.027	1020	<0.001	0.011	0.002	0.58	<0.002	22.3	5.45	0.024	0.033	141	0.053
716_249	0.022	3.22	0.55	0.032	709	<0.001	0.013	0.002	0.43	<0.002	9.93	1.33	0.003	0.019	15.8	0.12
716_255	0.028	2.25	0.41	0.009	567	<0.001	0.005	0.003	0.24	<0.002	9.56	0.73	0.003	0.033	14.4	0.02
716_262	0.073	3.13	0.35	<0.005	270	<0.001	0.007	0.011	2.09	0.003	2.39	0.46	<0.002	0.35	38.2	0.084
716_268	0.017	3.87	0.61	0.005	191	<0.001	0.01	0.001	0.24	<0.002	6.05	0.7	<0.002	0.008	82.3	0.01
716_278	0.43	3.29	0.91	0.41	618	<0.001	0.012	0.011	6.25	<0.002	6.24	5.23	<0.002	0.7	1340	0.41
716_288	0.017	2.82	0.49	0.06	360	<0.001	0.012	0.007	0.25	0.004	1.67	0.58	<0.002	0.084	14.8	0.052
716_292	0.099	2.39	1.13	0.018	148	<0.001	0.016	0.017	1.91	0.003	6.89	3.09	1.09	0.066	42.6	0.13
716_300	0.043	2.82	1.33	0.009	483	<0.001	0.025	0.004	1.01	0.002	9.15	3.05	0.44	0.024	6.24	0.044
716_306	0.067	2.37	0.33	<0.005	184	<0.001	0.008	0.021	4.64	0.004	2.01	0.59	<0.002	0.37	484	0.098
716_313	0.051	2.19	0.23	<0.005	161	<0.001	0.009	0.002	0.4	0.007	1.04	0.27	<0.002	0.21	588	0.022
716_317	0.04	2.18	0.77	0.024	607	<0.001	0.012	0.004	0.38	<0.002	6.06	0.6	0.005	0.015	707	0.022
716_327	0.022	2.55	1.85	<0.005	536	<0.001	0.003	0.003	0.43	0.002	8.37	1.33	<0.002	0.12	4.46	0.036
716_334	0.06	1.23	0.13	<0.005	20	<0.001	0.003	0.02	0.98	0.002	0.11	0.17	<0.002	0.52	79.5	0.16
1201_1	0.049	1.16	0.086	<0.005	286	<0.001	0.012	0.23	0.47	0.002	33.8	0.14	1.08	0.77	124	0.2
1201_2	0.043	1.17	0.31	<0.005	205	<0.001	0.005	0.017	0.19	0.008	48	0.14	0.86	0.084	72.6	0.026
1201_3	0.063	1.86	0.54	0.008	185	<0.001	0.008	0.04	0.54	0.002	10.5	0.33	0.82	0.32	35.7	0.18
1201_4	0.2	9.61	1.01	0.27	30.6	0.089	0.034	21.4	355	0.11	110	16.3	4.24	6.97	36	36.7
1201_5	0.29	1.24	0.57	<0.005	146	0.003	0.017	0.059	0.82	0.007	33.3	1.63	16	0.067	7.23	0.28
1201_8	0.02	1.38	0.14	<0.005	27.4	0.007	0.017	0.066	0.7	0.003	22	0.09	60.8	0.1	2.24	0.26
1201_9	0.053	1.5	0.14	0.053	55.9	0.003	0.012	0.016	0.42	0.014	29.9	0.082	19.7	0.18	6.78	0.052
1201_10	0.071	1.58	0.11	0.33	94.2	0.001	0.016	0.049	0.58	0.021	5.69	0.18	0.49	0.66	49.3	0.18
1201_11	0.066	1.49	0.32	<0.005	15.6	0.003	0.016	0.071	1.69	0.009	39.6	0.13	2.04	0.45	3.16	0.1
1233_1	0.021	0.58	0.23	0.16	17.4	<0.001	0.017	0.003	1.01	0.012	0.052	0.029	0.02	0.14	26.7	0.005
1233_2	0.031	2.78	0.039	0.049	76.2	<0.001	0.02	0.006	0.64	0.039	0.56	0.17	2.87	0.48	61.2	0.009
1233_3	0.014	1.89	0.13	<0.005	100	<0.001	0.003	0.031	0.98	0.046	13.5	0.32	0.52	5.62	60.7	0.027
1233_4	0.029	2.25	0.42	0.058	231	0.001	0.012	0.021	2.21	0.013	6.22	0.99	0.23	2.74	3.3	0.021
1233_5	0.027	1.23	0.048	<0.005	77.4	<0.001	0.013	0.007	4.82	0.034	9.11	0.26	0.047	1.85	24.4	0.01

IDNR	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1233_6	0.1	1.99	0.41	0.024	23	0.003	0.018	1.07	153	0.12	1.09	3.67	0.11	7.2	79.4	0.67
1233_7	0.039	1.32	0.16	<0.005	458	<0.001	0.018	0.013	0.19	0.11	270	0.47	0.18	2.12	34.4	0.004
1233_8	0.031	0.95	0.32	0.23	91.3	0.001	0.008	0.025	0.17	0.037	2.18	<0.01	0.007	15.4	228	0.026
1233_9	0.02	0.54	0.2	0.085	46.1	<0.001	0.008	0.004	0.14	0.003	3.97	0.065	0.002	0.089	8.73	0.037
1233_10	0.005	2.05	0.21	<0.005	563	<0.001	0.009	0.019	0.81	0.006	7.45	0.028	6.85	0.49	2.04	0.11
1243_1	0.013	1.42	0.16	0.007	88.3	<0.001	0.015	<0.001	0.16	0.003	1.22	0.081	0.005	0.64	11.4	0.002
1243_2	0.026	0.67	0.15	<0.005	40.5	<0.001	<0.001	<0.001	0.22	0.01	0.26	0.038	0.009	0.18	23.6	0.003
1243_4	0.023	2.02	0.085	<0.005	143	<0.001	0.009	0.001	0.36	0.002	0.008	0.24	4.08	0.17	93	0.007
1243_5	0.053	0.7	0.39	<0.005	97.9	<0.001	0.003	0.037	4.56	0.012	1.34	0.25	0.093	1.57	49.4	0.38
1243_6	0.025	0.97	0.16	<0.005	148	<0.001	<0.001	0.001	0.18	0.002	0.59	0.51	8.71	0.023	63.7	<0.002
1245_1	0.008	1.4	0.65	0.013	82.6	<0.001	0.003	0.66	3.65	<0.002	5.78	0.42	18.4	1.77	1.3	1.15
1245_2	0.007	1.4	0.39	<0.005	38.9	0.002	0.003	0.26	1.41	<0.002	5.22	0.24	20.5	1.23	11.2	0.66
1245_3	0.018	1.62	0.18	<0.005	29.4	<0.001	0.013	0.12	2	0.002	6.49	0.49	11.5	0.8	2.87	0.1
1246_1	0.009	1.92	0.03	<0.005	23.3	<0.001	0.006	0.025	0.38	0.003	10.4	0.13	3.34	0.37	1.07	0.016
1246_2	0.027	1.24	0.27	0.046	99.2	0.001	0.007	0.19	1.83	<0.002	2.75	0.98	0.25	0.28	0.92	0.24
1246_3	0.013	1.37	0.13	0.03	75	<0.001	0.001	0.015	0.42	0.007	3.25	2.31	1.42	0.12	2.37	0.01
1246_4	0.01	1.65	3.01	0.023	985	0.008	0.02	0.39	2.16	<0.002	0.75	0.94	1.18	0.94	0.88	1
1246_5	0.012	1.63	0.04	0.055	237	<0.001	0.009	0.028	0.24	0.006	1.94	0.26	0.059	0.059	14.3	0.13
1246_6	0.016	1.55	0.28	<0.005	131	<0.001	0.001	0.028	0.26	0.16	0.12	0.39	0.002	0.36	1.62	0.079
1246_7	0.14	0.73	0.47	<0.005	41.1	0.023	0.001	0.37	6.93	0.03	2.47	0.61	0.26	9.55	10.7	0.098
1246_8	0.033	1.76	0.4	<0.005	189	0.011	0.009	0.043	0.56	0.003	121	0.58	0.1	0.85	75.9	0.24
1246_9	0.025	1.39	2.88	0.017	684	0.018	0.011	0.32	2.51	<0.002	1.25	0.36	3.26	0.31	0.31	0.24
1246_10	0.02	1.33	0.33	<0.005	40.4	0.011	0.016	0.015	0.92	0.002	2.84	0.21	3.42	0.085	2.11	0.053
1246_11	0.11	0.81	0.043	<0.005	41.2	0.008	<0.001	0.04	2.11	0.008	4.48	0.94	1.78	1.19	5.42	0.022
1247_1	0.026	1.63	0.22	<0.005	42.9	0.004	0.008	0.1	6.07	0.008	2.31	0.58	1.36	0.73	23.8	0.15
1247_2	0.03	2.71	0.29	0.077	9.84	0.006	0.008	0.55	25	0.008	2.54	1.54	0.47	1.98	7.62	1.4
1247_3	0.03	2.42	0.75	0.42	73.6	0.002	0.009	0.28	2.52	0.008	4.11	5.66	0.21	8.59	84	0.27
1247_4	0.007	2.93	0.37	<0.005	12.5	0.001	0.001	0.38	16.6	0.003	0.52	0.94	0.31	3.03	4.77	2.89
1247_5	0.021	0.62	0.083	<0.005	28.8	<0.001	0.004	0.002	0.22	0.093	0.09	0.017	<0.002	1.36	34.3	0.008
1247_6	0.011	1.44	0.03	<0.005	135	<0.001	0.006	0.069	0.5	<0.002	5.91	0.56	8.33	5.44	0.3	0.44
1247_7	0.041	1.57	0.13	<0.005	62.8	<0.001	0.005	0.71	7.44	0.002	7.55	0.55	1.95	1.82	83.7	2.84
1247_8	0.016	1.56	0.29	<0.005	43.2	<0.001	0.006	0.13	1.4	0.004	4.71	0.24	0.93	0.64	7.4	0.35
1247_9	0.11	1.26	0.3	0.016	63.8	<0.001	0.005	0.032	7.12	0.011	0.74	0.23	0.035	0.3	263	0.14
1247_10	0.13	1.12	0.18	0.012	47	<0.001	0.005	0.099	14.7	0.019	0.38	0.74	0.016	0.97	275	0.48
1266_1	0.008	1.61	0.16	<0.005	60.7	<0.001	0.01	0.11	1.03	<0.002	1.73	0.62	0.035	2.28	76.7	0.095
1266_2	0.009	1.09	0.02	<0.005	99.8	<0.001	0.002	0.092	2.37	0.004	19.5	0.95	1.88	0.6	2.59	0.04
1266_3	0.008	1.34	0.031	<0.005	157	<0.001	0.002	0.019	1.42	0.003	28.2	0.057	3.44	0.16	11	0.021
1266_4	0.012	1.8	0.081	2.33	91.8	<0.001	0.023	0.011	0.29	0.006	5.87	0.44	2.04	0.074	12.2	0.013
1266_5	0.005	1.31	0.24	<0.005	84.8	<0.001	0.005	0.007	0.68	<0.002	0.053	0.03	6.23	0.14	2.92	0.018
1266_6	0.002	1.22	0.11	<0.005	37.9	<0.001	0.001	0.002	1.17	<0.002	0.77	0.016	3.3	0.18	1.78	0.004
1266_7	0.014	2.21	0.041	<0.005	15.9	<0.001	<0.001	0.13	10.3	0.002	0.33	4.11	0.072	1.36	18.4	0.49
1266_8	0.012	2.05	0.051	<0.005	52	<0.001	<0.001	0.004	0.5	0.003	71.2	0.2	3.22	0.58	95.2	0.005
1266_9	0.009	1.14	4.82	0.071	568	<0.001	0.006	0.007	1.64	0.005	9.97	0.042	1.95	0.17	71.3	0.007
1266_10	0.009	1.63	0.031	0.24	147	<0.001	0.012	<0.001	9.22	0.002	4.02	0.27	0.031	0.19	3.72	<0.002

IDNR	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
702_2	0.025	0.098	0.024	0.019	0.037	0.006	0.059	0.012	0.037	0.005	0.035	0.006
702_5	0.38	1.52	0.31	0.014	0.33	0.043	0.26	0.043	0.13	0.016	0.11	0.018
702_7	0.004	0.022	0.005	0.015	0.009	0.002	0.012	0.003	0.005	0.002	0.009	0.001
702_10	0.005	0.027	0.004	0.003	0.005	0.001	0.003	0.001	0.002	0.001	0.003	<0.001
702_11	0.002	0.006	0.002	0.005	0.004	<0.001	<0.001	0.001	<0.001	<0.001	0.001	<0.001
702_16	0.008	0.033	0.007	0.003	0.001	<0.001	0.002	0.001	0.003	<0.001	0.002	0.001
702_20	0.006	0.023	0.003	0.003	0.001	<0.001	0.003	<0.001	0.002	<0.001	0.001	<0.001
702_24	0.001	0.005	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
702_28	0.017	0.074	0.014	0.011	0.009	0.002	0.01	0.003	0.006	0.002	0.008	0.001
702_32	0.1	0.46	0.099	0.002	0.1	0.012	0.076	0.013	0.046	0.006	0.038	0.007
702_33	0.051	0.23	0.024	0.009	0.015	0.002	0.006	0.001	0.001	<0.001	0.002	<0.001
702_34	0.022	0.11	0.011	0.005	0.005	0.001	0.003	<0.001	0.002	<0.001	0.001	<0.001
702_36	0.008	0.032	0.008	0.009	0.005	0.001	0.007	0.001	0.004	0.001	0.003	0.001
702_37	0.011	0.041	0.015	0.012	0.006	0.002	0.008	0.001	0.003	0.002	0.009	0.001
702_39	0.011	0.047	0.012	0.013	0.01	0.003	0.016	0.003	0.008	0.002	0.009	0.001
702_46	0.073	0.33	0.048	0.029	0.039	0.004	0.022	0.003	0.014	0.002	0.009	0.003
702_58	0.015	0.07	0.028	0.028	0.015	0.004	0.013	0.004	0.014	0.003	0.014	0.004
702_64	0.008	0.029	0.012	0.013	0.008	0.001	0.006	0.001	0.005	0.001	0.005	<0.001
702_68	0.046	0.2	0.039	0.02	0.026	0.004	0.022	0.004	0.015	0.002	0.016	0.004
702_71	0.01	0.049	0.008	0.004	0.005	0.001	0.006	0.001	0.002	0.001	0.003	0.001
702_74	0.009	0.045	0.01	<0.001	0.005	0.001	0.006	0.001	0.002	0.001	0.006	0.001
702_76	0.31	1.05	0.15	0.018	0.15	0.018	0.084	0.018	0.049	0.006	0.046	0.007
702_77	0.008	0.033	0.004	0.005	0.002	0.001	0.004	<0.001	0.002	0.001	0.002	0.001
702_80	0.006	0.034	0.028	0.009	0.012	0.003	0.015	0.003	0.009	0.004	0.012	0.002
702_81	0.041	0.2	0.045	0.022	0.033	0.003	0.024	0.004	0.013	0.002	0.016	0.002
702_82	0.007	0.03	0.007	0.025	0.006	0.002	0.009	0.001	0.004	0.001	0.004	0.001
702_83	0.035	0.13	0.018	0.013	0.008	0.001	0.009	0.002	0.006	0.002	0.007	<0.001
702_84	0.004	0.015	0.011	0.006	0.005	0.001	0.004	0.002	0.005	0.001	0.008	0.001
711_2	0.035	0.15	0.041	0.002	0.05	0.008	0.074	0.017	0.064	0.011	0.078	0.015
711_13	0.018	0.064	0.027	0.004	0.026	0.006	0.048	0.012	0.046	0.008	0.063	0.012
711_19	0.069	0.3	0.082	0.009	0.091	0.02	0.14	0.033	0.13	0.024	0.2	0.04
711_22	0.053	0.17	0.067	0.008	0.063	0.014	0.12	0.032	0.13	0.024	0.19	0.041
711_27	0.003	0.012	0.01	0.002	0.004	0.001	0.011	0.004	0.023	0.005	0.026	0.006
711_28	0.14	0.49	0.12	0.007	0.14	0.025	0.17	0.045	0.15	0.027	0.19	0.041
711_31	0.006	0.031	0.01	0.004	0.012	0.003	0.019	0.006	0.024	0.006	0.037	0.01
711_42	0.049	0.21	0.062	0.013	0.047	0.011	0.044	0.01	0.034	0.006	0.044	0.009
711_43	0.011	0.049	0.019	0.003	0.016	0.005	0.042	0.01	0.039	0.007	0.046	0.01
711_44	1.89	6.63	1.39	0.19	1.42	0.22	1.25	0.27	0.76	0.082	0.56	0.088
716_3	0.039	0.17	0.024	0.005	0.023	0.003	0.015	0.002	0.009	0.002	0.007	0.002
716_8	0.045	0.22	0.041	0.04	0.03	0.004	0.012	0.003	0.007	0.002	0.006	0.002
716_11	0.57	2.05	0.4	0.12	0.37	0.055	0.3	0.064	0.17	0.025	0.2	0.032
716_12	0.051	0.19	0.063	0.02	0.046	0.009	0.043	0.011	0.032	0.01	0.041	0.009
716_22	0.038	0.17	0.046	0.009	0.025	0.004	0.017	0.005	0.014	0.003	0.019	0.004
716_23	0.007	0.023	0.01	0.001	0.005	0.001	0.004	0.001	0.002	0.002	0.006	0.001
716_26	0.14	0.51	0.068	0.008	0.054	0.006	0.035	0.006	0.018	0.003	0.025	0.006
716_28	0.011	0.044	0.025	0.04	0.012	0.003	0.014	0.004	0.006	0.003	0.01	0.002
716_38	0.006	0.025	0.018	0.036	0.009	0.003	0.01	0.004	0.006	0.003	0.008	0.002
716_40	0.008	0.038	0.015	0.04	0.014	0.003	0.02	0.004	0.008	0.002	0.009	0.001
716_47	0.03	0.1	0.022	0.005	0.013	0.004	0.008	0.002	0.006	0.002	0.009	0.002
716_61	0.42	1.56	0.25	0.037	0.16	0.022	0.1	0.019	0.045	0.007	0.053	0.007
716_69	0.35	1.4	0.16	0.026	0.1	0.012	0.051	0.009	0.024	0.003	0.022	0.004
716_70	0.038	0.16	0.022	0.019	0.023	0.003	0.012	0.003	0.009	0.002	0.008	0.001
716_91	0.4	1.65	0.31	0.068	0.21	0.023	0.071	0.013	0.033	0.003	0.02	0.003

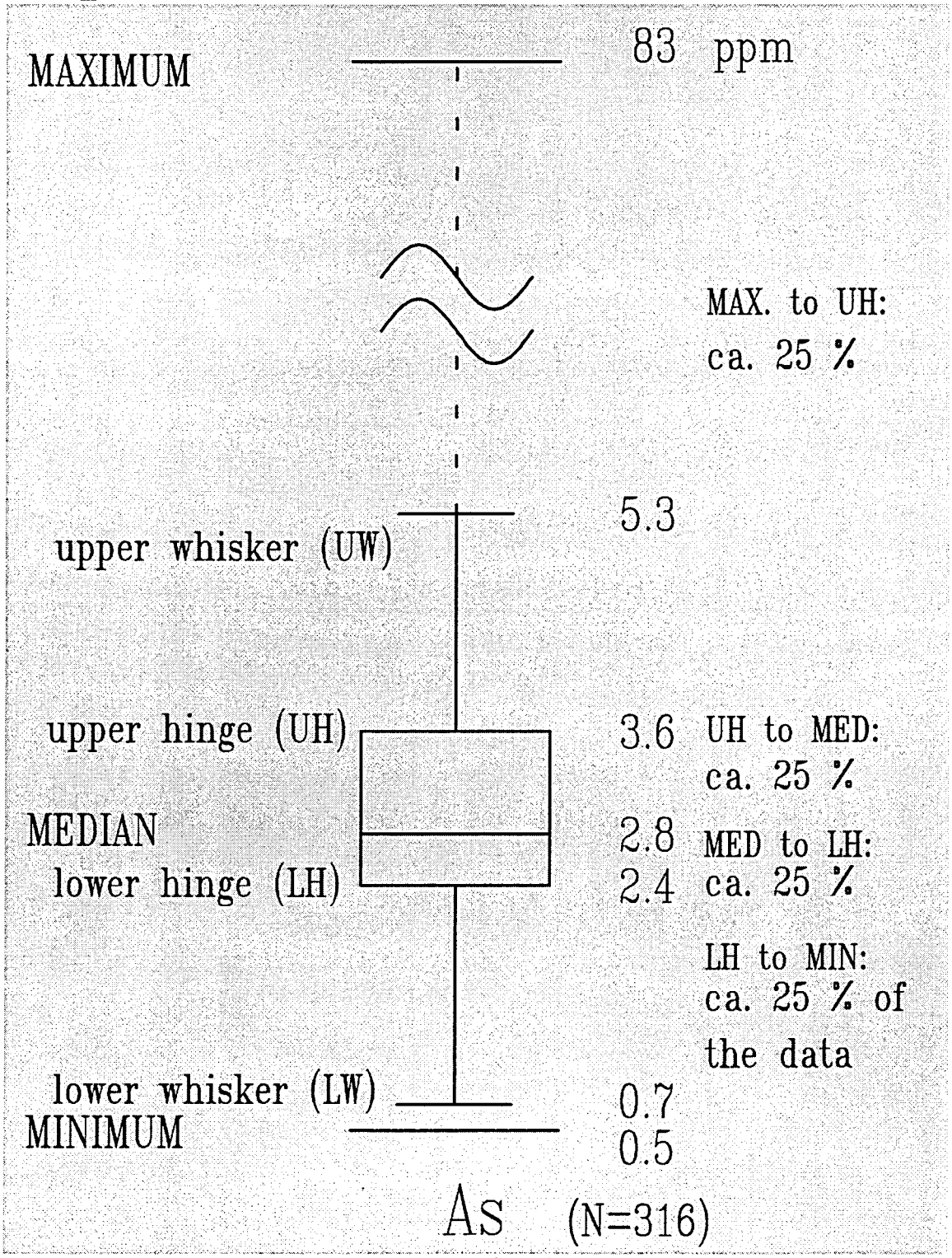
IDNR	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
716_94	0.006	0.023	0.006	0.016	0.002	0.001	0.007	0.001	0.008	0.001	0.01	0.002
716_99	0.55	2.46	0.41	0.071	0.32	0.035	0.17	0.027	0.079	0.01	0.059	0.012
716_103	0.04	0.17	0.033	0.035	0.023	0.004	0.017	0.004	0.009	0.002	0.008	0.001
716_105	0.12	0.47	0.09	0.027	0.074	0.012	0.067	0.013	0.037	0.006	0.034	0.006
716_107	0.025	0.076	0.016	0.001	0.016	0.003	0.019	0.004	0.014	0.002	0.012	0.001
716_108	0.004	0.017	0.006	0.005	0.004	0.001	0.003	0.001	0.001	<0.001	0.005	0.001
716_118	0.01	0.032	0.006	0.007	0.004	0.002	0.007	0.002	0.007	0.002	0.012	0.001
716_122	0.006	0.03	0.01	0.016	0.004	0.002	0.012	0.004	0.01	0.002	0.012	0.003
716_125	0.063	0.24	0.045	0.047	0.038	0.007	0.024	0.006	0.016	0.004	0.021	0.005
716_126	0.018	0.062	0.019	0.002	0.008	0.001	0.005	0.001	0.004	0.001	0.004	<0.001
716_131	0.005	0.018	0.005	0.004	0.004	0.001	0.004	0.001	0.004	0.001	0.003	<0.001
716_137	0.19	0.61	0.11	0.006	0.091	0.011	0.046	0.009	0.028	0.003	0.023	0.003
716_143	0.009	0.034	0.006	0.004	0.003	0.001	0.006	0.001	0.003	0.001	0.003	0.001
716_146	0.006	0.029	0.003	0.003	0.003	0.001	0.005	0.001	0.003	0.001	0.002	<0.001
716_159	0.03	0.1	0.013	0.015	0.014	0.002	0.008	0.002	0.005	0.001	0.002	0.001
716_167	0.014	0.04	0.009	<0.001	0.005	<0.001	0.002	0.001	0.001	<0.001	0.002	<0.001
716_171	0.025	0.1	0.017	0.006	0.013	0.002	0.008	0.002	0.005	0.001	0.006	0.001
716_177	0.002	0.009	0.001	0.015	0.001	<0.001	0.001	0.001	<0.001	0.001	0.004	<0.001
716_190	0.042	0.2	0.034	0.006	0.031	0.004	0.018	0.004	0.014	0.001	0.011	0.002
716_197	0.099	0.34	0.052	0.009	0.052	0.007	0.041	0.006	0.02	0.002	0.014	0.003
716_207	0.025	0.096	0.022	0.001	0.015	0.002	0.016	0.003	0.006	0.001	0.006	0.001
716_215	0.27	1.01	0.15	0.01	0.089	0.01	0.049	0.007	0.024	0.003	0.016	0.003
716_221	0.084	0.33	0.062	0.03	0.044	0.007	0.048	0.008	0.024	0.004	0.023	0.005
716_229	0.017	0.067	0.01	0.016	0.009	0.002	0.007	0.001	0.004	0.001	0.003	0.001
716_234	0.062	0.27	0.053	0.015	0.042	0.004	0.016	0.002	0.004	0.001	0.003	0.001
716_239	0.054	0.19	0.015	0.02	0.011	0.001	0.007	0.001	0.003	0.001	0.003	0.001
716_249	0.01	0.039	0.003	0.005	0.003	0.001	0.004	<0.001	0.001	<0.001	0.001	0.001
716_255	0.009	0.035	0.01	0.033	0.005	0.001	0.005	0.001	0.002	<0.001	0.002	<0.001
716_262	0.14	0.56	0.1	0.009	0.075	0.011	0.055	0.011	0.038	0.005	0.037	0.006
716_268	0.005	0.015	0.003	0.006	0.003	0.001	0.003	<0.001	0.001	<0.001	0.002	<0.001
716_278	0.45	1.7	0.27	0.031	0.22	0.027	0.13	0.025	0.07	0.01	0.054	0.009
716_288	0.006	0.027	0.005	0.013	0.005	0.001	0.008	0.002	0.008	0.001	0.006	0.001
716_292	0.04	0.14	0.025	0.002	0.024	0.003	0.015	0.003	0.006	0.001	0.006	0.001
716_300	0.005	0.021	0.004	0.005	0.003	0.001	0.004	0.001	0.004	0.001	0.002	0.001
716_306	0.29	1.27	0.2	0.048	0.18	0.02	0.08	0.011	0.038	0.004	0.025	0.004
716_313	0.19	0.85	0.15	0.04	0.11	0.012	0.05	0.006	0.017	0.002	0.01	0.002
716_317	0.021	0.065	0.004	0.003	0.005	<0.001	0.001	<0.001	0.002	<0.001	0.001	<0.001
716_327	0.042	0.19	0.029	0.024	0.03	0.004	0.019	0.003	0.007	0.001	0.005	0.001
716_334	0.41	1.64	0.29	0.034	0.2	0.022	0.11	0.02	0.056	0.008	0.042	0.009
1201_1	0.18	0.7	0.15	0.02	0.15	0.019	0.11	0.02	0.058	0.007	0.052	0.01
1201_2	0.019	0.06	0.009	0.003	0.01	0.002	0.01	0.002	0.007	0.001	0.003	0.001
1201_3	0.11	0.4	0.072	0.008	0.065	0.008	0.048	0.008	0.028	0.005	0.03	0.007
1201_4	14.3	43.7	5.79	1	3.9	0.39	1.44	0.23	0.6	0.072	0.43	0.081
1201_5	0.049	0.19	0.027	0.012	0.018	0.002	0.008	0.001	0.005	<0.001	0.003	0.001
1201_8	0.037	0.11	0.022	0.002	0.024	0.003	0.014	0.003	0.007	0.001	0.005	0.002
1201_9	0.01	0.048	0.007	0.002	0.01	0.002	0.014	0.004	0.013	0.002	0.012	0.002
1201_10	0.08	0.3	0.078	0.011	0.085	0.014	0.087	0.021	0.059	0.01	0.062	0.014
1201_11	0.043	0.15	0.027	0.002	0.029	0.005	0.035	0.008	0.028	0.004	0.029	0.005
1233_1	0.048	0.18	0.037	0.012	0.031	0.004	0.024	0.005	0.018	0.002	0.017	0.004
1233_2	0.075	0.28	0.042	0.013	0.043	0.007	0.044	0.009	0.029	0.004	0.025	0.005
1233_3	0.16	0.78	0.22	0.008	0.28	0.051	0.41	0.097	0.32	0.047	0.28	0.052
1233_4	0.022	0.1	0.029	0.003	0.052	0.011	0.1	0.035	0.14	0.018	0.15	0.032
1233_5	0.039	0.2	0.046	0.005	0.081	0.013	0.11	0.03	0.1	0.017	0.1	0.023

IDNR	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1233_6	2.87	10.9	2.01	0.16	1.77	0.24	1.38	0.25	0.76	0.11	0.63	0.11
1233_7	0.005	0.032	0.01	0.002	0.018	0.005	0.055	0.023	0.12	0.019	0.13	0.032
1233_8	0.57	2.34	0.61	0.076	0.84	0.19	1.33	0.36	1.33	0.23	1.75	0.38
1233_9	0.024	0.093	0.016	0.002	0.017	0.003	0.013	0.002	0.007	0.001	0.004	0.001
1233_10	0.028	0.14	0.027	0.001	0.04	0.004	0.034	0.006	0.022	0.002	0.01	0.002
1243_1	0.02	0.091	0.022	0.001	0.035	0.006	0.042	0.012	0.029	0.003	0.018	0.003
1243_2	0.044	0.18	0.029	0.011	0.032	0.005	0.024	0.005	0.018	0.002	0.012	0.002
1243_4	0.007	0.026	0.009	0.002	0.013	0.002	0.011	0.005	0.018	0.004	0.029	0.007
1243_5	0.48	2.1	0.31	0.036	0.34	0.037	0.2	0.04	0.1	0.012	0.074	0.015
1243_6	<0.001	0.005	0.002	0.011	0.001	<0.001	0.003	0.001	0.003	<0.001	0.003	0.002
1245_1	0.61	2.35	0.46	0.061	0.4	0.063	0.36	0.06	0.17	0.021	0.13	0.02
1245_2	0.28	1.13	0.23	0.03	0.23	0.031	0.19	0.038	0.12	0.012	0.061	0.012
1245_3	0.12	0.51	0.1	0.012	0.11	0.015	0.087	0.019	0.06	0.007	0.041	0.009
1246_1	0.033	0.14	0.026	0.005	0.036	0.005	0.033	0.006	0.022	0.002	0.014	0.003
1246_2	0.26	0.85	0.13	0.011	0.1	0.013	0.051	0.008	0.026	0.003	0.017	0.003
1246_3	0.038	0.13	0.019	<0.001	0.019	0.002	0.009	0.003	0.011	0.001	0.004	0.002
1246_4	0.59	2.05	0.36	0.059	0.27	0.037	0.15	0.031	0.074	0.009	0.062	0.01
1246_5	0.019	0.075	0.017	0.008	0.01	0.001	0.005	0.001	0.004	<0.001	0.002	<0.001
1246_6	0.11	0.46	0.081	0.04	0.064	0.008	0.051	0.011	0.031	0.004	0.035	0.006
1246_7	6.38	24.8	4.22	0.83	3.52	0.4	1.66	0.29	0.65	0.054	0.29	0.051
1246_8	0.094	0.39	0.095	0.002	0.11	0.016	0.086	0.023	0.068	0.009	0.069	0.012
1246_9	0.26	0.9	0.14	0.005	0.11	0.013	0.062	0.011	0.025	0.003	0.014	0.003
1246_10	0.011	0.046	0.008	<0.001	0.008	0.001	0.008	0.002	0.005	<0.001	0.003	<0.001
1246_11	0.35	1.39	0.26	0.035	0.27	0.035	0.18	0.032	0.082	0.009	0.051	0.008
1247_1	0.23	0.88	0.14	0.019	0.15	0.02	0.1	0.021	0.055	0.008	0.055	0.009
1247_2	0.81	2.96	0.48	0.058	0.44	0.057	0.32	0.055	0.16	0.022	0.13	0.023
1247_3	2.18	9.08	1.78	0.27	1.67	0.23	1.34	0.27	0.78	0.1	0.66	0.13
1247_4	1.36	5.09	0.95	0.081	0.9	0.12	0.6	0.1	0.23	0.022	0.11	0.02
1247_5	0.18	0.82	0.17	0.031	0.21	0.032	0.2	0.033	0.086	0.009	0.045	0.009
1247_6	0.14	0.62	0.19	0.007	0.29	0.059	0.51	0.13	0.41	0.058	0.28	0.049
1247_7	0.78	2.95	0.5	0.063	0.44	0.059	0.32	0.058	0.16	0.021	0.13	0.024
1247_8	0.15	0.54	0.093	0.013	0.093	0.013	0.077	0.015	0.058	0.006	0.043	0.009
1247_9	0.23	0.79	0.12	0.012	0.092	0.01	0.049	0.01	0.027	0.005	0.029	0.007
1247_10	0.46	1.68	0.28	0.038	0.24	0.029	0.16	0.031	0.091	0.013	0.095	0.02
1266_1	0.24	1.09	0.26	0.054	0.31	0.045	0.28	0.066	0.19	0.026	0.17	0.028
1266_2	0.15	0.6	0.12	0.021	0.11	0.014	0.086	0.018	0.058	0.008	0.06	0.01
1266_3	0.042	0.17	0.029	0.003	0.029	0.003	0.019	0.003	0.013	0.002	0.008	0.001
1266_4	0.032	0.11	0.01	0.001	0.012	0.001	0.008	0.002	0.004	0.001	0.003	0.001
1266_5	0.002	0.016	0.002	<0.001	0.005	0.001	0.009	0.003	0.01	0.001	0.007	0.002
1266_6	0.002	0.015	0.001	<0.001	0.005	0.001	0.009	0.003	0.01	0.001	0.004	0.001
1266_7	0.63	2.33	0.34	0.047	0.31	0.039	0.19	0.04	0.1	0.014	0.09	0.016
1266_8	0.059	0.26	0.038	0.003	0.053	0.006	0.038	0.011	0.027	0.002	0.014	0.002
1266_9	0.015	0.063	0.011	0.004	0.013	0.002	0.01	0.003	0.008	0.001	0.007	0.001
1266_10	0.013	0.061	0.011	0.035	0.014	0.002	0.016	0.004	0.014	0.001	0.009	0.002

Vedlegg 13

Forklaring av boxplot-diagrammet.

Explanation of the BOXPLOT



Definitions: hinge spread (HS) = UH − LH
upper whisker = UH + 1.5 x HS
lower whisker = LH − 1.5 x HS
the whiskers are drawn at the last actual data point