# Supporting Raw Data

Metals

Lot # EOJ270306

000329

**STL Los Angeles**
**Précis**
**ICAP Data Summary Cover Sheet**

**Instrument ID: ICPT - M01** Analyst: ICP

Analytical Date: 11/01/00

Analysis by SOP: 6010B - 2007 - CORP-MT-0001 Rev 2

Data File: P110100

| Batch | Lot/Project | Data Upload | Review/Release | Pkg. |
|---|---|---|---|---|
| 0300538 | EOJ260306 (Zn low) | 11/02/00 | 11/06/00 | — |
| 0299295 | EOJ250291 (DNJxV 2x) | | | — |
| | EOJ240121 (DNMHC 2x) | | | L3 |
| 0305473 | EOJ300203 | | 11/03/00 | — |
| 0304272 | EOJ180165 | | 11/06/00 | L3 |
| | EOJ250275 | | | L3 |
| | EOJ270306 | | | L3 |
| 0300522 | EOJ250140 | | | L3 |
| | EOJ250192 | | | — |
| 0304274 | EOJ250276 Post | | | L3 |
| | EOJ260327 Ref | ICP | ICP | — |
| 0306286 | EOJ200278 | | | — |
| | EOJ260321 Spk | | | — |
| | EOJ270318 | | | — |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**Standards**

| Calibration Stds: | Lot # | Calibration Check Stds: | Lot # |
|---|---|---|---|
| 1. Blank | 101700-T1 | ICV | 100300-T4 |
| 2. STD1 | 101700-T2 | CCV | 101700-T5 |
| 3. | | ICSA | 101700-T7 |
| 4. | | ICSAB 4.0 | 100500-T8 |
| 5. | | 5. | |
| 6. | | 6. | |

Notes/Comments:

N:\metals\forms\dscs.doc
10/13/00

| # | Sample Name | File | Method | Date | Time | OpID | Type | Mode |
|---|---|---|---|---|---|---|---|---|
| 1 | STDBLK | P110100 | QTESTNAK | 11/01/00 | 17:06 | | X | IR |
| 2 | STD1 | P110100 | QTESTNAK | 11/01/00 | 17:13 | | X | IR |
| 3 | ICVHP | P110100 | QTESTNAK | 11/01/00 | 17:19 | KT | S | CONC |
| 4 | ICB | P110100 | QTESTNAK | 11/01/00 | 17:27 | KT | S | CONC |
| 5 | ICSA | P110100 | QTESTNAK | 11/01/00 | 17:33 | KT | S | CONC |
| 6 | ICSAB4.0 | P110100 | QTESTNAK | 11/01/00 | 17:39 | KT | S | CONC |
| 7 | TEST-CRI | P110100 | QTESTNAK | 11/01/00 | 17:47 | KT | S | CONC |
| 8 | DNV2N 10X | P110100 | QTESTNAK | 11/01/00 | 17:55 | KT | S | CONC |
| 9 | DNJXV 2X | P110100 | QTESTNAK | 11/01/00 | 18:03 | KT | S | CONC |
| 10 | DNMHC 2X | P110100 | QTESTNAK | 11/01/00 | 18:11 | KT | S | CONC |
| 11 | DN5G4B-0305473 | P110100 | QTESTNAK | 11/01/00 | 18:17 | KT | S | CONC |
| 12 | DN5G4C | P110100 | QTESTNAK | 11/01/00 | 18:25 | KT | S | CONC |
| 13 | DN3EN 5X | P110100 | QTESTNAK | 11/01/00 | 18:33 | KT | S | CONC |
| 14 | DN3ENP 5X | P110100 | QTESTNAK | 11/01/00 | 18:41 | KT | S | CONC |
| 15 | CCVT | P110100 | QTESTNAK | 11/01/00 | 18:47 | KT | S | CONC |
| 16 | CCBT | P110100 | QTESTNAK | 11/01/00 | 19:00 | KT | Q | CONC |
| 17 | DN3ENS 5X | P110100 | QTESTNAK | 11/01/00 | 19:06 | KT | S | CONC |
| 18 | DN3END 5X | P110100 | QTESTNAK | 11/01/00 | 19:14 | KT | S | CONC |
| 19 | DN2QGB-0304272 | P110100 | QTESTNAK | 11/01/00 | 19:22 | KT | S | CONC |
| 20 | DN2QGC | P110100 | QTESTNAK | 11/01/00 | 19:28 | KT | S | CONC |
| 21 | DNCG1 | P110100 | QTESTNAK | 11/01/00 | 19:36 | KT | S | CONC |
| 22 | DNRCV | P110100 | QTESTNAK | 11/01/00 | 19:44 | KT | S | CONC |
| 23 | DNRCVP | P110100 | QTESTNAK | 11/01/00 | 19:52 | KT | S | CONC |
| 24 | DNRCVS | P110100 | QTESTNAK | 11/01/00 | 19:58 | KT | S | CONC |
| 25 | DNRCVD | P110100 | QTESTNAK | 11/01/00 | 20:10 | KT | S | CONC |
| 26 | DNRC2 | P110100 | QTESTNAK | 11/01/00 | 20:18 | KT | S | CONC |
| 27 | CCVT | P110100 | QTESTNAK | 11/01/00 | 20:26 | KT | S | CONC |
| 28 | CCBT Tl | P110100 | QTESTNAK | 11/01/00 | 20:34 | KT | Q | CONC |
| 29 | DNRC7 | P110100 | QTESTNAK | 11/01/00 | 20:40 | KT | S | CONC |
| 30 | DNRDL | P110100 | QTESTNAK | 11/01/00 | 20:46 | KT | S | CONC |
| 31 | CCVT | P110100 | QTESTNAK | 11/01/00 | 21:01 | KT | S | CONC |
| 32 | CCBT Se | P110100 | QTESTNAK | 11/01/00 | 21:13 | KT | Q | CONC |
| 33 | DN2QGB-0304272 | P110100 | QTESTNAK | 11/01/00 | 21:20 | KT | S | CONC |
| 34 | DN2QGC | P110100 | QTESTNAK | 11/01/00 | 21:26 | KT | S | CONC |
| 35 | DNCG1 | P110100 | QTESTNAK | 11/01/00 | 21:34 | KT | S | CONC |
| 36 | DNRCV | P110100 | QTESTNAK | 11/01/00 | 21:42 | KT | S | CONC |
| 37 | DNRCVP | P110100 | QTESTNAK | 11/01/00 | 21:50 | KT | S | CONC |
| 38 | DNRCVS | P110100 | QTESTNAK | 11/01/00 | 21:56 | KT | S | CONC |
| 39 | DNRCVD | P110100 | QTESTNAK | 11/01/00 | 22:04 | KT | S | CONC |
| 40 | DNRC2 | P110100 | QTESTNAK | 11/01/00 | 22:12 | KT | S | CONC |
| 41 | CCVT | P110100 | QTESTNAK | 11/01/00 | 22:21 | KT | S | CONC |
| 42 | CCBT | P110100 | QTESTNAK | 11/01/00 | 22:29 | KT | Q | CONC |
| 43 | DNRC7 | P110100 | QTESTNAK | 11/01/00 | 22:35 | KT | S | CONC |
| 44 | DNRDL | P110100 | QTESTNAK | 11/01/00 | 22:47 | KT | S | CONC |
| 45 | DNRDN | P110100 | QTESTNAK | 11/01/00 | 22:55 | KT | S | CONC |
| 46 | DNRDP | P110100 | QTESTNAK | 11/01/00 | 23:01 | KT | S | CONC |
| 47 | DNRDQ | P110100 | QTESTNAK | 11/01/00 | 23:07 | KT | S | CONC |
| 48 | DNRDW | P110100 | QTESTNAK | 11/01/00 | 23:15 | KT | S | CONC |
| 49 | DNRD0 | P110100 | QTESTNAK | 11/01/00 | 23:23 | KT | S | CONC |
| 50 | DNRD4 | P110100 | QTESTNAK | 11/01/00 | 23:31 | KT | S | CONC |
| 51 | DNRD6 | P110100 | QTESTNAK | 11/01/00 | 23:39 | KT | S | CONC |
| 52 | DNREK | P110100 | QTESTNAK | 11/01/00 | 23:47 | KT | S | CONC |
| 53 | CCVT | P110100 | QTESTNAK | 11/01/00 | 23:55 | KT | S | CONC |

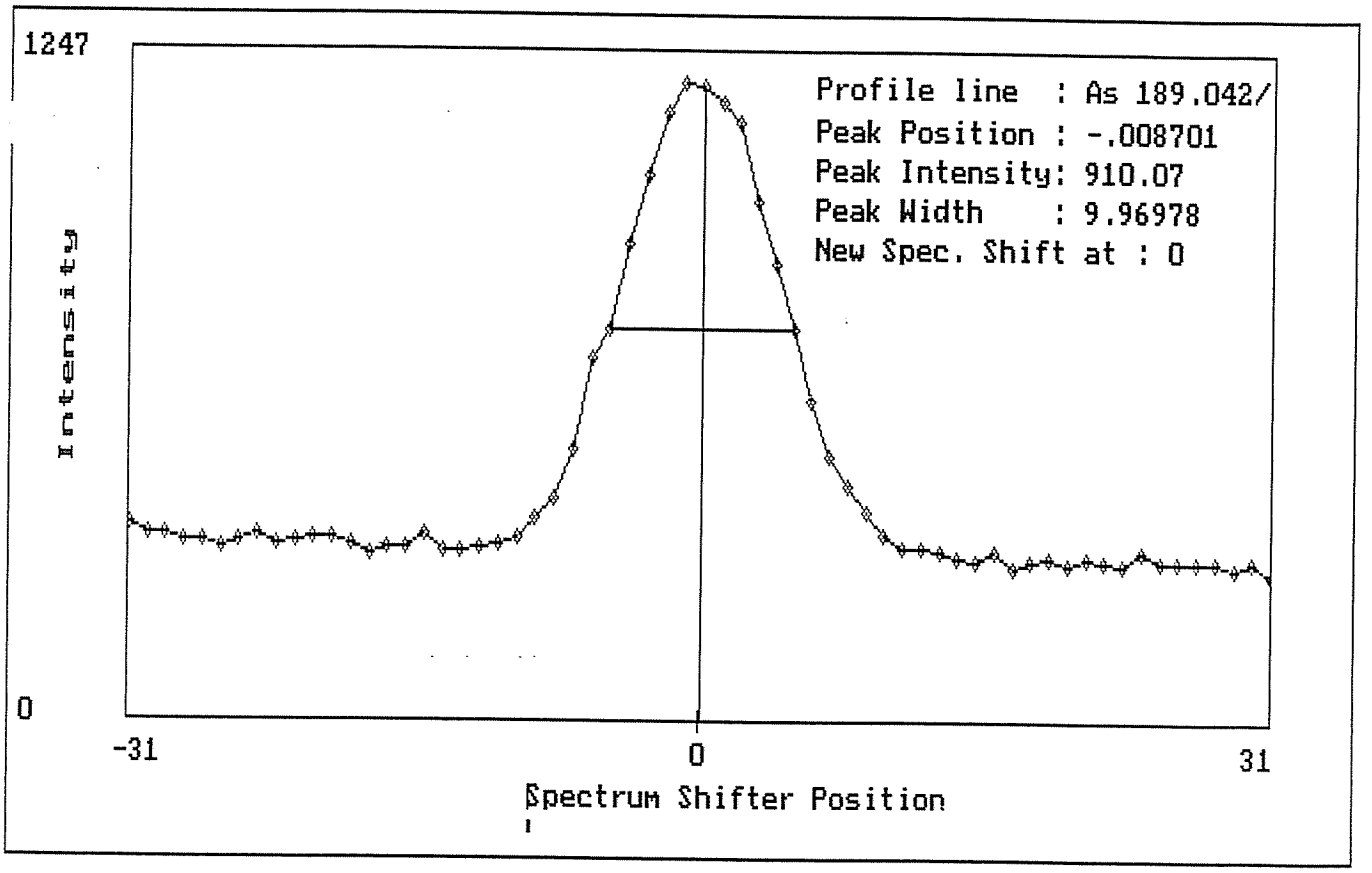
Ref for Tl

Ref

for Tl reporting

| # | Sample Name | File | Method | Date | Time | OpID | Type | Mode |
|---|---|---|---|---|---|---|---|---|
| 54 | CCBT | P110100 | QTESTNAK | 11/02/00 | 00:03 | KT | Q | CONC |
| 55 | DN0TG | P110100 | QTESTNAK | 11/02/00 | 00:09 | KT | S | CONC |
| 56 | DN0TK | P110100 | QTESTNAK | 11/02/00 | 00:17 | KT | S | CONC |
| 57 | DNWH4B-0300522 | P110100 | QTESTNAK | 11/02/00 | 00:27 | KT | S | CONC |
| 58 | DNWH4C | P110100 | QTESTNAK | 11/02/00 | 00:33 | KT | S | CONC |
| 59 | DNPXX | P110100 | QTESTNAK | 11/02/00 | 00:41 | KT | S | CONC |
| 60 | DNPXXP | P110100 | QTESTNAK | 11/02/00 | 00:49 | KT | S | CONC |
| 61 | DNPXXS | P110100 | QTESTNAK | 11/02/00 | 00:55 | KT | S | CONC |
| 62 | DNPXXD | P110100 | QTESTNAK | 11/02/00 | 01:03 | KT | S | CONC |
| 63 | DNP03 | P110100 | QTESTNAK | 11/02/00 | 01:11 | KT | S | CONC |
| 64 | DNP1E | P110100 | QTESTNAK | 11/02/00 | 01:19 | KT | S | CONC |
| 65 | CCVT | P110100 | QTESTNAK | 11/02/00 | 01:25 | KT | S | CONC |
| 66 | CCBT' | P110100 | QTESTNAK | 11/02/00 | 01:35 | KT | Q | CONC |
| 67 | DNP1H | P110100 | QTESTNAK | 11/02/00 | 01:41 | KT | S | CONC |
| 68 | DNP2C | P110100 | QTESTNAK | 11/02/00 | 01:49 | KT | S | CONC |
| 69 | DNP2H | P110100 | QTESTNAK | 11/02/00 | 01:55 | KT | S | CONC |
| 70 | DNP2L | P110100 | QTESTNAK | 11/02/00 | 02:01 | KT | S | CONC |
| 71 | DNP2Q | P110100 | QTESTNAK | 11/02/00 | 02:09 | KT | S | CONC |
| 72 | DNP2X | P110100 | QTESTNAK | 11/02/00 | 02:17 | KT | S | CONC |
| 73 | DNP24 Zn ref | P110100 | QTESTNAK | 11/02/00 | 02:25 | KT | S | CONC |
| 74 | DNP27 | P110100 | QTESTNAK | 11/02/00 | 02:33 | KT | S | CONC |
| 75 | DNP3N | P110100 | QTESTNAK | 11/02/00 | 02:41 | KT | S | CONC |
| 76 | DNP3W | P110100 | QTESTNAK | 11/02/00 | 02:49 | KT | S | CONC |
| 77 | CCVT | P110100 | QTESTNAK | 11/02/00 | 03:00 | KT | S | CONC |
| | CCBT' | P110100 | QTESTNAK | 11/02/00 | 03:08 | KT | Q | CONC |
| 9 | DNP3X | P110100 | QTESTNAK | 11/02/00 | 03:14 | KT | S | CONC |
| 80 | DNQFE | P110100 | QTESTNAK | 11/02/00 | 03:22 | KT | S | CONC |
| 81 | DNQFR | P110100 | QTESTNAK | 11/02/00 | 03:28 | KT | S | CONC |
| 82 | DNQGL | P110100 | QTESTNAK | 11/02/00 | 03:36 | KT | S | CONC |
| 83 | DN2QRB-0304274 | P110100 | QTESTNAK | 11/02/00 | 03:42 | KT | S | CONC |
| 84 | DN2QRC | P110100 | QTESTNAK | 11/02/00 | 03:48 | KT | S | CONC |
| 85 | DNRCJ | P110100 | QTESTNAK | 11/02/00 | 03:56 | KT | S | CONC |
| 86 | DNRCJP | P110100 | QTESTNAK | 11/02/00 | 04:04 | KT | S | CONC |
| 87 | DNRCJS | P110100 | QTESTNAK | 11/02/00 | 04:12 | KT | S | CONC |
| 88 | DNRCJD | P110100 | QTESTNAK | 11/02/00 | 04:20 | KT | S | CONC |
| 89 | CCVT | P110100 | QTESTNAK | 11/02/00 | 04:28 | KT | S | CONC |
| 90 | CCBT' | P110100 | QTESTNAK | 11/02/00 | 04:38 | KT | Q | CONC |
| 91 | DNRCN | P110100 | QTESTNAK | 11/02/00 | 04:44 | KT | S | CONC |
| 92 | DNRCQ | P110100 | QTESTNAK | 11/02/00 | 04:52 | KT | S | CONC |
| 93 | DNRCR | P110100 | QTESTNAK | 11/02/00 | 05:00 | KT | S | CONC |
| 94 | DNRCW | P110100 | QTESTNAK | 11/02/00 | 05:08 | KT | S | CONC |
| 95 | DNRCX | P110100 | QTESTNAK | 11/02/00 | 05:16 | KT | S | CONC |
| 96 | DNRC0 | P110100 | QTESTNAK | 11/02/00 | 05:22 | KT | S | CONC |
| 97 | DNRC1 | P110100 | QTESTNAK | 11/02/00 | 05:28 | KT | S | CONC |
| 98 | DNRC3 | P110100 | QTESTNAK | 11/02/00 | 05:34 | KT | S | CONC |
| 99 | DNRC8 ref | P110100 | QTESTNAK | 11/02/00 | 05:40 | KT | S | CONC |
| 100 | DNRDC | P110100 | QTESTNAK | 11/02/00 | 05:46 | KT | S | CONC |
| 101 | CCVT | P110100 | QTESTNAK | 11/02/00 | 05:52 | KT | S | CONC |
| 102 | CCBT. Al, Fe | P110100 | QTESTNAK | 11/02/00 | 06:00 | KT | Q | CONC |
| [illegible] | DNRDE | P110100 | QTESTNAK | 11/02/00 | 06:06 | KT | S | CONC |
| [illegible] | DNRDG | P110100 | QTESTNAK | 11/02/00 | 06:12 | KT | S | CONC |
| 105 | DNWD0 | P110100 | QTESTNAK | 11/02/00 | 06:18 | KT | S | CONC |
| 106 | DNWD8 | P110100 | QTESTNAK | 11/02/00 | 06:26 | KT | S | CONC |
| 107 | DNWEC | P110100 | QTESTNAK | 11/02/00 | 06:32 | KT | S | CONC |

| # | Sample Name | File | Method | Date | Time | OpID | Type | Mode |
|---|---|---|---|---|---|---|---|---|
| 108 | DNWEF | P110100 | QTESTNAK | 11/02/00 | 06:38 | KT | S | CONC |
| 109 | DNWEH | P110100 | QTESTNAK | 11/02/00 | 06:46 | KT | S | CONC |
| 110 | DNWEK | P110100 | QTESTNAK | 11/02/00 | 06:52 | KT | S | CONC |
| 111 | CCVT | P110100 | QTESTNAK | 11/02/00 | 06:58 | KT | S | CONC |
| 112 | CCBT. Al Fe | P110100 | QTESTNAK | 11/02/00 | 07:06 | KT | Q | CONC |
| 113 | DN6CQB-0306286 | P110100 | QTESTNAK | 11/02/00 | 07:12 | KT | S | CONC |
| 114 | DN6CQC | P110100 | QTESTNAK | 11/02/00 | 07:18 | KT | S | CONC |
| 115 | DNJQK | P110100 | QTESTNAK | 11/02/00 | 07:26 | KT | S | CONC |
| 116 | DNJQKP | P110100 | QTESTNAK | 11/02/00 | 07:32 | KT | S | CONC |
| 117 | DNJQKS | P110100 | QTESTNAK | 11/02/00 | 07:40 | KT | S | CONC |
| 118 | DNJQKD | P110100 | QTESTNAK | 11/02/00 | 07:50 | KT | S | CONC |
| 119 | DNWDE | P110100 | QTESTNAK | 11/02/00 | 07:58 | KT | S | CONC |
| 120 | DNWDG | P110100 | QTESTNAK | 11/02/00 | 08:06 | KT | S | CONC |
| 121 | DNWDL | P110100 | QTESTNAK | 11/02/00 | 08:12 | KT | S | CONC |
| 122 | DNWDN | P110100 | QTESTNAK | 11/02/00 | 08:18 | KT | S | CONC |
| 123 | CCVT | P110100 | QTESTNAK | 11/02/00 | 08:26 | KT | S | CONC |
| 124 | CCBT. Al Fe | P110100 | QTESTNAK | 11/02/00 | 08:34 | KT | Q | CONC |
| 125 | DN00W | P110100 | QTESTNAK | 11/02/00 | 08:40 | KT | S | CONC |
| 126 | DN001 | P110100 | QTESTNAK | 11/02/00 | 08:48 | KT | S | CONC |
| 127 | DN002 Rd | P110100 | QTESTNAK | 11/02/00 | 08:56 | KT | S | CONC |
| 128 | DN003 | P110100 | QTESTNAK | 11/02/00 | 09:04 | KT | S | CONC |
| 129 | DN004 | P110100 | QTESTNAK | 11/02/00 | 09:10 | KT | S | CONC |
| 130 | DN005 | P110100 | QTESTNAK | 11/02/00 | 09:18 | KT | S | CONC |
| 131 | DN006 | P110100 | QTESTNAK | 11/02/00 | 09:26 | KT | S | CONC |
| 2 | DN008 | P110100 | QTESTNAK | 11/02/00 | 09:34 | KT | S | CONC |
| 3 | DN009 | P110100 | QTESTNAK | 11/02/00 | 09:40 | KT | S | CONC |
| 134 | DN01A | P110100 | QTESTNAK | 11/02/00 | 09:46 | KT | S | CONC |
| 135 | CCVT | P110100 | QTESTNAK | 11/02/00 | 09:52 | KT | S | CONC |
| 136 | CCBT, | P110100 | QTESTNAK | 11/02/00 | 10:00 | KT | Q | CONC |
| 137 | DN01C | P110100 | QTESTNAK | 11/02/00 | 10:06 | KT | S | CONC |
| 138 | CCVT | P110100 | QTESTNAK | 11/02/00 | 10:14 | KT | S | CONC |
| 139 | CCBT, | P110100 | QTESTNAK | 11/02/00 | 10:22 | KT | Q | CONC |




11/01/00

~~10~~ 10:11 5/00

Method: QTESTNAK Standard: STDBLK
Run Time: 11/01/00 17:06:54

| Elem | Al3082 | As1890 | Ba4934 | Be3130 | Cd_tr | Ca3179 | Cr_tr |
|---|---|---|---|---|---|---|---|
| Avge | .05605 | -.00673 | .00015 | -.00583 | .02615 | .00269 | .00478 |
| SDev | .00021 | .00528 | .00021 | .00021 | .00486 | .00000 | .00085 |
| %RSD | .37079 | 78.563 | 141.42 | 3.6325 | 18.581 | .00633 | 17.684 |
| #1 | .05619 | -.01046 | .00000 | -.00568 | .02959 | .00269 | .00418 |
| #2 | .05590 | -.00299 | .00030 | -.00598 | .02272 | .00269 | .00538 |

| Elem | Co2286 | Cu3247 | Fe2714 | Mg2790 | Mn2576 | Mo2020 | Ni2316 |
|---|---|---|---|---|---|---|---|
| Avge | .00015 | .00673 | -.00060 | .00030 | .00045 | .00030 | .00030 |
| SDev | .00021 | .00021 | .00127 | .00085 | .00021 | .00042 | .00000 |
| %RSD | 141.42 | 3.1364 | 212.12 | 282.82 | 47.135 | 141.42 | .00634 |
| #1 | .00000 | .00687 | .00030 | -.00030 | .00060 | .00000 | .00030 |
| #2 | .00030 | .00658 | -.00149 | .00090 | .00030 | .00060 | .00030 |

| Elem | Ag_tr | Na3302 | Tl1908 | Ti3349 | V_2924 | Zn2138 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Avge | -.00269 | -.00493 | -.04932 | -.00120 | .00030 | .00135 | -.00060 |
| SDev | .00127 | .00063 | .00127 | .00000 | .00042 | .00021 | .00042 |
| %RSD | 47.146 | 12.863 | 2.5776 | .00634 | 141.42 | 15.720 | 70.715 |
| #1 | -.00179 | -.00448 | -.04842 | -.00120 | .00000 | .00120 | -.00030 |
| #2 | -.00359 | -.00538 | -.05022 | -.00120 | .00060 | .00149 | -.00090 |

| Elem | 2068_1 | 2068_2 | 2203_1 | 2203_2 | 1960_1 | 1960_2 | B_2496 |
|---|---|---|---|---|---|---|---|
| Avge | -.00747 | .00269 | .06382 | .00209 | -.00762 | .00717 | .0006 |
| SDev | .00930 | .00296 | .04037 | .00761 | .00232 | .00380 | .0000 |
| %RSD | 124.45 | 110.00 | 63.254 | 363.69 | 30.497 | 53.038 | .0063 |
| #1 | -.00090 | .00060 | .09236 | .00747 | -.00927 | .00448 | .0006 |
| #2 | -.01405 | .00478 | .03527 | -.00329 | -.00598 | .00986 | .0006 |

| Elem | Sr4215 | Si2881 |
|---|---|---|
| Avge | .0000 | .0445 |
| SDev | .0000 | .0021 |
| %RSD | .0000 | 4.739 |
| #1 | .0000 | .0460 |
| #2 | .0000 | .0430 |

| ntStd ode | 1 Counts | 2 NOTUSED | 3 NOTUSED | 4 NOTUSED | 5 NOTUSED | 6 NOTUSED | 7 NOTUSED |
|---|---|---|---|---|---|---|---|
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6691 | -- | -- | -- | -- | -- | -- |
| SDev | .4239879 | -- | -- | -- | -- | -- | -- |
| %RSD | .0063368 | -- | -- | -- | -- | -- | -- |
| #1 | 6691 | -- | -- | -- | -- | -- | -- |
| #2 | 6691 | -- | -- | -- | -- | -- | -- |

Method: QTESTNAK Standard: STD1
Run Time: 11/01/00 17:13:19

| Elem | Al3082 | As1890 | Ba4934 | Be3130 | Cd_tr | Ca3179 | Cr_tr |
|---|---|---|---|---|---|---|---|
| Avge | 13.953 | 4.1057 | 3.0567 | 12.940 | 39.538 | 5.2520 | 14.943 |
| SDev | .003 | .0121 | .0131 | .013 | .127 | .0070 | .048 |
| %RSD | .02327 | .29383 | .42760 | .10421 | .32036 | .13326 | .32385 |
| #1 | 13.951 | 4.0971 | 3.0660 | 12.949 | 39.627 | 5.2570 | 14.977 |
| #2 | 13.955 | 4.1142 | 3.0475 | 12.930 | 39.448 | 5.2471 | 14.909 |

| Elem | Co2286 | Cu3247 | Fe2714 | Mg2790 | Mn2576 | Mo2020 | Ni2316 |
|---|---|---|---|---|---|---|---|
| Avge | 2.1364 | 2.4992 | 6.0994 | 30.524 | 6.0625 | .80876 | 2.3975 |
| SDev | .0091 | .0003 | .0006 | .117 | .0218 | .01855 | .0101 |
| %RSD | .42770 | .01038 | .00969 | .38471 | .35966 | 2.2940 | .41991 |
| #1 | 2.1429 | 2.4993 | 6.0990 | 30.607 | 6.0779 | .79564 | 2.4046 |
| #2 | 2.1300 | 2.4990 | 6.0998 | 30.441 | 6.0470 | .82188 | 2.3904 |

| Elem | Ag_tr | Na3302 | Tl1908 | Ti3349 | V_2924 | Zn2138 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Avge | 6.4818 | 2.9169 | 3.9865 | 2.5618 | 2.5777 | 1.9617 | .39110 |
| SDev | .0041 | .0040 | .0006 | .0059 | .0016 | .0085 | .00205 |
| %RSD | .06250 | .13880 | .01591 | .22875 | .06392 | .43409 | .52380 |
| #1 | 6.4847 | 2.9141 | 3.9869 | 2.5576 | 2.5765 | 1.9677 | .39255 |
| #2 | 6.4790 | 2.9198 | 3.9860 | 2.5659 | 2.5789 | 1.9557 | .38965 |

| lem | 2068_1 | 2068_2 | 2203_1 | 2203_2 | 1960_1 | 1960_2 | B_2496 |
|---|---|---|---|---|---|---|---|
| Avge | 1.8692 | .91118 | 9.7095 | 4.0624 | .46827 | .59757 | .8226 |
| SDev | .0030 | .00499 | .0529 | .0006 | .00298 | .00869 | .0005 |
| %RSD | .15877 | .54806 | .54525 | .01542 | .63627 | 1.4540 | .0636 |
| #1 | 1.8671 | .91471 | 9.7470 | 4.0619 | .47038 | .60371 | .8229 |
| #2 | 1.8713 | .90765 | 9.6721 | 4.0628 | .46617 | .59142 | .8222 |

| Elem | Sr4215 | Si2881 |
|---|---|---|
| Avge | 5.682 | 1.679 |
| SDev | .027 | .005 |
| %RSD | .4715 | .2779 |
| #1 | 5.701 | 1.683 |
| #2 | 5.664 | 1.676 |

| IntStd Code | 1 Counts | 2 NOTUSED | 3 NOTUSED | 4 NOTUSED | 5 NOTUSED | 6 NOTUSED | 7 NOTUSED |
|---|---|---|---|---|---|---|---|
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6466 | -- | -- | -- | -- | -- | -- |
| SDev | 23.02344 | -- | -- | -- | -- | -- | -- |
| %RSD | .3560472 | -- | -- | -- | -- | -- | -- |
| | | | | | | | |
| #1 | 6450 | -- | -- | -- | -- | -- | -- |
| #2 | 6483 | -- | -- | -- | -- | -- | -- |

Standardization Report 11/01/00 05:19:12 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

| ement | Wavelen | High std | Low std | Slope | Y-intercept | Date Standardized |
|---|---|---|---|---|---|---|
| Pb2203 | 220.353 | NONE | NONE | .000000 | .000000 | *NOT STANDARDIZED |
| Se1960 | 196.026 | NONE | NONE | .000000 | .000000 | *NOT STANDARDIZED |
| Sb2068 | 206.838 | NONE | NONE | .000000 | .000000 | *NOT STANDARDIZED |
| Al3082 | 308.215 | STD1 | STDBLK | 3.60763 | -.202195 | 11/01/00 05:13:19 |
| As1890 | 189.042 | STD1 | STDBLK | .243587 | .001638 | 11/01/00 05:13:19 |
| Ba4934 | 493.409 | STD1 | STDBLK | 1.30864 | -.000196 | 11/01/00 05:13:19 |
| Be3130 | 313.042 | STD1 | STDBLK | .309186 | .001802 | 11/01/00 05:13:19 |
| Cd_tr | 226.502 | STD1 | STDBLK | .025355 | -.000663 | 11/01/00 05:13:19 |
| Ca3179 | 317.933 | STD1 | STDBLK | 38.1040 | -.102509 | 11/01/00 05:13:19 |
| Cr_tr | 267.716 | STD1 | STDBLK | .267821 | -.001281 | 11/01/00 05:13:19 |
| Co2286 | 228.616 | STD1 | STDBLK | 1.87732 | -.000281 | 11/01/00 05:13:19 |
| Cu3247 | 324.753 | STD1 | STDBLK | 1.60443 | -.010791 | 11/01/00 05:13:19 |
| Fe2714 | 271.441 | STD1 | STDBLK | 8.26532 | .004942 | 11/01/00 05:13:19 |
| Mg2790 | 279.078 | STD1 | STDBLK | 6.54830 | -.001958 | 11/01/00 05:13:19 |
| Mn2576 | 257.610 | STD1 | STDBLK | .659848 | -.000296 | 11/01/00 05:13:19 |
| Mo2020 | 202.030 | STD1 | STDBLK | 4.94141 | -.001477 | 11/01/00 05:13:19 |
| Ni2316 | 231.604 | STD1 | STDBLK | 1.66862 | -.000499 | 11/01/00 05:13:19 |
| Ag_tr | 328.068 | STD1 | STDBLK | .308631 | .000830 | 11/01/00 05:13:19 |
| Na3302 | 330.232 | STD1 | STDBLK | 1.30989 | .018224 | 11/01/00 05:13:19 |
| Tl1908 | 190.864 | STD1 | STDBLK | .499960 | .024659 | 11/01/00 05:13:19 |
| Ti3349 | 334.941 | STD1 | STDBLK | 1.56103 | .001866 | 11/01/00 05:13:19 |
| V_2924 | 292.402 | STD1 | STDBLK | 1.55294 | -.000464 | 11/01/00 05:13:19 |
| Zn2138 | 213.856 | STD1 | STDBLK | 2.05361 | -.002762 | 11/01/00 05:13:19 |
| Sn1899 | 189.989 | STD1 | STDBLK | 10.2204 | .006110 | 11/01/00 05:13:19 |
| [illegible]68_1 | 206.831 | STD1 | STDBLK | .515047 | .003849 | 11/01/00 05:13:19 |
| [illegible]68_2 | 206.832 | STD1 | STDBLK | 1.08812 | -.002927 | 11/01/00 05:13:19 |
| 2203_1 | 220.351 | STD1 | STDBLK | .106969 | -.006826 | 11/01/00 05:13:19 |
| 2203_2 | 220.352 | STD1 | STDBLK | .241890 | -.000506 | 11/01/00 05:13:19 |
| 1960_1 | 196.021 | STD1 | STDBLK | 2.10999 | .016083 | 11/01/00 05:13:19 |
| 1960_2 | 196.022 | STD1 | STDBLK | 1.65556 | -.011877 | 11/01/00 05:13:19 |
| B_2496 | 249.678 | STD1 | STDBLK | 4.86640 | -.002909 | 11/01/00 05:13:19 |
| Sr4215 | 421.552 | STD1 | STDBLK | .703916 | .000000 | 11/01/00 05:13:19 |
| Si2881 | 288.158 | STD1 | STDBLK | 2.44660 | -.108967 | 11/01/00 05:13:19 |

Analysis Report 11/01/00 05:25:41 PM page 1

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 11/01/00 17:19:49
mment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0051 | .99443 | .99764 | 10.044 | .99207 | 1.0043 | 1.0261 |
| SDev | .0001 | .00283 | .00146 | .026 | .00240 | .0009 | .0001 |
| %RSD | .00845 | .28479 | .14687 | .26220 | .24154 | .08494 | .01111 |
| #1 | 1.0051 | .99643 | .99660 | 10.063 | .99377 | 1.0037 | 1.0260 |
| #2 | 1.0050 | .99242 | .99867 | 10.026 | .99038 | 1.0049 | 1.0262 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 1.1000 | 1.1000 | 1.1000 | 11.000 | 1.1000 | 1.1000 | 1.1000 |
| Low | .90000 | .90000 | .90000 | 9.0000 | .90000 | .90000 | .90000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0085 | 41.109 | 1.0213 | 1.0091 | .98218 | 10.199 | 39.233 |
| SDev | .0035 | .000 | .0020 | .0014 | .00272 | .016 | .010 |
| %RSD | .34839 | .00110 | .19817 | .13995 | .27703 | .15638 | .02611 |
| #1 | 1.0060 | 41.109 | 1.0198 | 1.0081 | .98410 | 10.210 | 39.226 |
| #2 | 1.0110 | 41.109 | 1.0227 | 1.0101 | .98026 | 10.187 | 39.240 |
| rrors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| igh | 1.1000 | 44.000 | 1.1000 | 1.1000 | 1.1000 | 11.000 | 44.000 |
| Low | .90000 | 36.000 | .90000 | .90000 | .90000 | 9.0000 | 36.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.0317 | 1.0005 | 1.0300 | .39073 | 39.507 | 5.2038 | 1.0245 |
| SDev | .0011 | .0238 | .0007 | .00112 | .107 | .0214 | .0011 |
| %RSD | .10801 | 2.3789 | .06996 | .28717 | .26971 | .41214 | .10370 |
| #1 | 1.0309 | .98363 | 1.0295 | .39152 | 39.583 | 5.1886 | 1.0252 |
| #2 | 1.0325 | 1.0173 | 1.0305 | .38994 | 39.432 | 5.2190 | 1.0237 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Pass |
| High | 1.1000 | 1.1000 | 1.1000 | .44000 | | 5.5000 | 1.1000 |
| Low | .90000 | .90000 | .90000 | .36000 | | 4.5000 | .90000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | 1.0135 | 1.0053 | .98833 | .99448 | 1.0040 | 1.0069 | 1.0042 |
| SDev | .0001 | .0008 | .00517 | .00591 | .0074 | .0000 | .0001 |
| %RSD | .00493 | .07825 | .52292 | .59438 | .74100 | .00175 | .01180 |
| #1 | 1.0135 | 1.0048 | .98468 | .99030 | 1.0092 | 1.0069 | 1.0042 |
| #2 | 1.0134 | 1.0059 | .99199 | .99866 | .99870 | 1.0069 | 1.0041 |
| rrors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 1.1000 | 1.1000 | 1.1000 | | | | |
| Low | .90000 | .90000 | .90000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| rge | .99073 | .99627 | .9879 | 1.009 | L.8818 |
| sDev | .00223 | .00313 | .0038 | .001 | .0029 |
| %RSD | .22490 | .31453 | .3860 | .1153 | .3297 |
| #1 | .99231 | .99849 | .9852 | 1.009 | L.8839 |
| #2 | .98915 | .99405 | .9906 | 1.010 | L.8798 |
| Errors | NOCHECK | NOCHECK | LC Pass | NOCHECK | LC Low |
| High | | | 1.100 | | 1.100 |
| Low | | | .9000 | | .9000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6665 | -- | -- | -- | -- | -- | -- |
| SDev | 9.079141 | -- | -- | -- | -- | -- | -- |
| %RSD | .1362257 | -- | -- | -- | -- | -- | -- |
| #1 | 6658 | -- | -- | -- | -- | -- | -- |
| #2 | 6671 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 05:33:44 PM page 1

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 11/01/00 17:27:52
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00098 | -.00134 | .00230 | .01536 | -.00112 | .00019 | .00005 |
| SDev | .00108 | .00478 | .00298 | .00852 | .00380 | .00000 | .00000 |
| %RSD | 110.36 | 356.46 | 129.56 | 55.447 | 339.25 | .14711 | 2.5075 |
| #1 | .00174 | .00204 | .00019 | .00934 | .00157 | .00019 | .00005 |
| #2 | .00021 | -.00472 | .00441 | .02139 | -.00380 | .00019 | .00005 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00057 | .00528 | -.00016 | -.00000 | -.00076 | .00372 | .00778 |
| SDev | .00011 | .00810 | .00068 | .00039 | .00067 | .01215 | .00277 |
| %RSD | 19.608 | 153.32 | 410.50 | 22470. | 88.229 | 326.94 | 35.600 |
| #1 | -.00049 | -.00044 | .00031 | .00028 | -.00029 | .01231 | .00973 |
| #2 | -.00065 | .01101 | -.00064 | -.00028 | -.00123 | -.00487 | .00582 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00010 | -.00074 | -.00025 | -.00023 | .14021 | .00330 | .00024 |
| SDev | .00000 | .00104 | .00176 | .00006 | .09276 | .00304 | .00033 |
| %RSD | .14489 | 140.43 | 699.86 | 28.387 | 66.161 | 92.105 | 137.70 |
| #1 | -.00010 | -.00001 | .00099 | -.00027 | .07462 | .00115 | .00047 |
| #2 | -.00010 | -.00148 | -.00149 | -.00018 | .20581 | .00544 | .00001 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | -.00046 | -.00032 | .00154 | .00370 | -.00050 | -.00054 | .00173 |
| SDev | .00000 | .00001 | .00215 | .00367 | .00160 | .00161 | .00081 |
| %RSD | .01439 | 3.1916 | 139.58 | 99.203 | 319.03 | 299.65 | 46.837 |
| #1 | -.00046 | -.00032 | .00307 | .00111 | -.00163 | .00060 | .00230 |
| #2 | -.00046 | -.00031 | .00002 | .00630 | .00063 | -.00167 | .00116 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .05000 | .02000 | .10000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00245 | -.00079 | .0022 | .0000 | <.0000 |
| SDev | .00310 | .00871 | .0010 | .0000 | .0001 |
| %RSD | 126.33 | 1107.6 | 47.55 | .0000 | 1.205 |
| #1 | -.00464 | .00537 | .0014 | .0000 | <.0000 |
| #2 | -.00026 | -.00695 | .0029 | .0000 | <.0000 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | .2000 | .0500 | .5000 |
| Low | | | -.2000 | -.0500 | -.5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6716 | -- | -- | -- | -- | -- | -- |
| SDev | 4.921435 | -- | -- | -- | -- | -- | -- |
| %RSD | .0732740 | -- | -- | -- | -- | -- | -- |
| #1 | 6720 | -- | -- | -- | -- | -- | -- |
| #2 | 6713 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 05:39:39 PM 

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 11/01/00 17:33:48
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00524 | -.00882 | .00229 | 512.62 | .00408 | .00107 | .00016 |
| SDev | .00323 | .00588 | .00595 | .38 | .00016 | .00000 | .00007 |
| %RSD | 61.637 | 66.673 | 260.23 | .07399 | 3.9326 | .17765 | 41.628 |
| #1 | .00296 | -.00466 | -.00192 | 512.35 | .00420 | .00107 | .00012 |
| #2 | .00753 | L-.01298 | .00650 | 512.89 | .00397 | .00107 | .00021 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .01000 | .01000 | .06000 | 600.00 | .02000 | .02000 | .01000 |
| Low | -.01000 | -.01000 | -.06000 | 400.00 | -.02000 | -.02000 | -.01000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00337 | 487.00 | -.00270 | -.00024 | -.00468 | 196.97 | 506.63 |
| SDev | .00019 | .22 | .00043 | .00000 | .00001 | .28 | .97 |
| %RSD | 5.5851 | .04604 | 15.830 | .03520 | .21854 | .13964 | .19215 |
| #1 | .00350 | 486.84 | -.00301 | -.00024 | -.00469 | 196.78 | 505.94 |
| #2 | .00323 | 487.16 | -.00240 | -.00024 | -.00467 | 197.17 | 507.32 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .01000 | 600.00 | .02000 | .05000 | .02500 | 240.00 | 600.00 |
| Low | -.01000 | 400.00 | -.02000 | -.05000 | -.02500 | 160.00 | 400.00 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00284 | .00887 | .00004 | -.00096 | .10248 | .00066 | -.00115 |
| SDev | .00000 | .00673 | .00076 | .00014 | .12029 | .00154 | .00000 |
| %RSD | .13451 | 75.844 | 1969.9 | 14.425 | 117.37 | 233.31 | .40291 |
| #1 | -.00284 | .01363 | -.00050 | -.00105 | .18754 | -.00043 | -.00114 |
| #2 | -.00285 | .00412 | .00058 | -.00086 | .01743 | .00175 | -.00115 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .01500 | .04000 | .04000 | .02000 | 5.0000 | .02000 | .05000 |
| Low | -.01500 | -.04000 | -.04000 | -.02000 | -5.0000 | -.02000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | -.00267 | -.00225 | -.00670 | .00362 | -.00038 | -.05001 | .03282 |
| SDev | .00071 | .00047 | .00464 | .00709 | .00367 | .00617 | .00176 |
| %RSD | 26.653 | 20.829 | 69.242 | 195.92 | 959.25 | 12.341 | 5.3705 |
| #1 | -.00217 | -.00192 | -.00998 | -.00139 | -.00298 | -.05437 | .03158 |
| #2 | -.00318 | -.00258 | -.00342 | .00863 | .00221 | -.04564 | .03407 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .05000 | .02000 | .10000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00929 | -.00859 | .0073 | .0152 | .0052 |
| SDev | .01539 | .00114 | .0011 | .0000 | .0009 |
| %RSD | 165.55 | 13.238 | 15.44 | .1501 | 18.27 |
| #1 | .00159 | -.00778 | .0065 | .0152 | .0058 |
| #2 | -.02017 | -.00939 | .0081 | .0152 | .0045 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | .2000 | .0500 | .5000 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6217 | -- | -- | -- | -- | -- | -- |
| SDev | 9.333602 | -- | -- | -- | -- | -- | -- |
| %RSD | .1501274 | -- | -- | -- | -- | -- | -- |
| #1 | 6224 | -- | -- | -- | -- | -- | -- |
| #2 | 6211 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 05:45:34 PM 

Method: QTESTNAK Sample Name: ICSAB4.0 Operator: KT
Run Time: 11/01/00 17:39:43
mment:
ode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05475 | .04722 | .63201 | 513.10 | .10380 | .51566 | .51943 |
| SDev | .00146 | .00003 | .00241 | .52 | .00444 | .00095 | .00032 |
| %RSD | 2.6763 | .06545 | .38105 | .10092 | 4.2780 | .18484 | .06235 |
| #1 | .05579 | .04724 | .63030 | 513.46 | .10694 | .51633 | .51920 |
| #2 | .05372 | .04720 | .63371 | 512.73 | .10066 | .51498 | .51966 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .06000 | .06000 | .72000 | 600.00 | .12000 | .60000 | .60000 |
| Low | .04000 | .04000 | .48000 | 400.00 | .08000 | .40000 | .40000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .98524 | 486.69 | .49329 | .50260 | .53811 | 196.83 | 504.84 |
| SDev | .00266 | .07 | .00099 | .00021 | .00034 | .11 | .50 |
| %RSD | .27000 | .01367 | .20061 | .04288 | .06242 | .05646 | .09976 |
| #1 | .98336 | 486.64 | .49399 | .50275 | .53834 | 196.90 | 505.20 |
| #2 | .98712 | 486.74 | .49259 | .50244 | .53787 | 196.75 | 504.49 |
| rrors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| igh | 1.2000 | 600.00 | .60000 | .60000 | .60000 | 240.00 | 600.00 |
| Low | .80000 | 400.00 | .40000 | .40000 | .40000 | 160.00 | 400.00 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50416 | 1.0165 | .99214 | .21030 | H12.959 | .09674 | -.00074 |
| SDev | .00019 | .0200 | .00429 | .00034 | .230 | .01128 | .00000 |
| %RSD | .03843 | 1.9662 | .43214 | .16035 | 1.7741 | 11.659 | .45822 |
| #1 | .50430 | 1.0023 | .99517 | .21054 | H13.122 | .08876 | -.00074 |
| #2 | .50403 | 1.0306 | .98911 | .21006 | H12.797 | .10471 | -.00074 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC High | LC Pass | LC Pass |
| High | .60000 | 1.2000 | 1.2000 | .24000 | 12.000 | .12000 | .10000 |
| Low | .40000 | .80000 | .80000 | .16000 | 8.0000 | .08000 | -.10000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .48812 | 1.0338 | .00312 | .62798 | .64006 | .00121 | .08149 |
| SDev | .00237 | .0009 | .00463 | .00407 | .00091 | .00281 | .00079 |
| %RSD | .48628 | .08386 | 148.38 | .64759 | .14278 | 232.14 | .97283 |
| #1 | .48980 | 1.0344 | .00640 | .62511 | .64071 | .00320 | .08205 |
| #2 | .48644 | 1.0332 | -.00015 | .63086 | .63942 | -.00078 | .08093 |
| rrors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .60000 | 1.2000 | .20000 | | | | |
| Low | .40000 | .80000 | -.20000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | .03180 | .05492 | .0103 | .0151 | <.0000 |
| SDev | .00523 | .00266 | .0011 | .0000 | .0001 |
| %RSD | 16.453 | 4.8402 | 10.50 | .1273 | 8.587 |
| #1 | .02810 | .05680 | .0096 | .0151 | <.0000 |
| #2 | .03549 | .05304 | .0111 | .0151 | <.0000 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | .4000 | .1000 | 1.000 |
| Low | | | -.4000 | -.1000 | -1.000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6243 | -- | -- | -- | -- | -- | -- |
| SDev | 7.947700 | -- | -- | -- | -- | -- | -- |
| %RSD | .1273013 | -- | -- | -- | -- | -- | -- |
| #1 | 6238 | -- | -- | -- | -- | -- | -- |
| #2 | 6249 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 05:53:37 PM 

Method: QTESTNAK Sample Name: TEST-CRI Operator: KT
Run Time: 11/01/00 17:47:46
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00611 | .00776 | .02176 | .42340 | L.01472 | .01970 | .01000 |
| SDev | .00079 | .00050 | .00010 | .00737 | .00153 | .00021 | .00004 |
| %RSD | 12.959 | 6.3970 | .47669 | 1.7403 | 10.409 | 1.0519 | .36975 |
| #1 | .00555 | .00812 | .02183 | .42861 | L.01364 | .01955 | .00997 |
| #2 | .00667 | L.00741 | .02168 | .41819 | .01581 | .01984 | .01002 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Low | LC Pass | LC Pass |
| High | .00750 | .01250 | .02500 | .50000 | .02500 | .02500 | .01250 |
| Low | .00450 | .00750 | .01500 | .30000 | .01500 | .01500 | .00750 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00402 | 10.154 | .01005 | .09834 | .04792 | .21567 | 9.3959 |
| SDev | .00007 | .018 | .00002 | .00033 | .00019 | .00589 | .0639 |
| %RSD | 1.6904 | .17814 | .18209 | .33252 | .40704 | 2.7294 | .68045 |
| #1 | .00407 | 10.167 | .01004 | .09857 | .04806 | .21983 | 9.4412 |
| #2 | .00397 | 10.142 | .01007 | .09811 | .04779 | .21151 | 9.3507 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | 12.500 | .01250 | .12500 | .06250 | .25000 | 12.500 |
| Low | .00300 | 7.5000 | .00750 | .07500 | .03750 | .15000 | 7.5000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03087 | .07950 | .08126 | .00955 | 10.063 | H.02969 | .00048 |
| SDev | .00010 | .00076 | .00043 | .00029 | .115 | .00304 | .00001 |
| %RSD | .33463 | .95913 | .52368 | 3.0012 | 1.1461 | 10.250 | .94997 |
| #1 | .03094 | .07896 | .08096 | .00975 | 9.9812 | H.03185 | .00048 |
| #2 | .03080 | .08004 | .08156 | .00935 | 10.144 | H.02754 | .00049 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC High | NOCHECK |
| High | .03750 | .10000 | .10000 | .01250 | | .02500 | |
| Low | .02250 | .06000 | .06000 | .00750 | | .01500 | |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .09675 | .03896 | L.00308 | .02060 | .02408 | .00346 | .00744 |
| SDev | .00033 | .00029 | .00001 | .00091 | .00151 | .00152 | .00043 |
| %RSD | .33771 | .74248 | .33304 | 4.4095 | 6.2599 | 44.029 | 5.7518 |
| #1 | .09652 | .03875 | L.00307 | .02124 | .02302 | .00238 | .00713 |
| #2 | .09698 | .03916 | L.00309 | .01995 | .02515 | .00453 | .00774 |
| Errors | LC Pass | LC Pass | LC Low | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .12500 | .05000 | .25000 | | | | |
| Low | .07500 | .03000 | .15000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | .01041 | .00645 | L.0014 | L.0003 | L.0903 |
| SDev | .00002 | .00075 | .0000 | .0001 | .0106 |
| %RSD | .18011 | 11.697 | 1.020 | 46.85 | 11.70 |
| #1 | .01039 | .00698 | L.0014 | L.0002 | L.0829 |
| #2 | .01042 | .00591 | L.0014 | L.0004 | L.0978 |
| Errors | NOCHECK | NOCHECK | LC Low | LC Low | LC Low |
| High | | | .5000 | .1250 | 1.250 |
| Low | | | .3000 | .0750 | .7500 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6776 | -- | -- | -- | -- | -- | -- |
| SDev | 22.45789 | -- | -- | -- | -- | -- | -- |
| %RSD | .3314564 | -- | -- | -- | -- | -- | -- |
| #1 | 6760 | -- | -- | -- | -- | -- | -- |
| #2 | 6791 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 06:01:40 PM 

Method: QTESTNAK Sample Name: DNV2N 10X Operator: KT
Run Time: 11/01/00 17:55:48
ment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .13714 | .00258 | .01183 | 3.6638 | .01653 | .64095 | .00014 |
| SDev | .00739 | .00163 | .00174 | .1355 | .00412 | .02789 | .00000 |
| %RSD | 5.3925 | 63.073 | 14.666 | 3.6971 | 24.927 | 4.3506 | 2.7064 |
| #1 | .14237 | .00143 | .01061 | 3.7596 | .01944 | .66067 | .00014 |
| #2 | .13191 | .00374 | .01306 | 3.5680 | .01361 | .62123 | .00015 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05924 | 24.517 | .06279 | .00466 | .45250 | 4.9767 | 4.0553 |
| SDev | .00266 | .912 | .00226 | .00118 | .01707 | .1899 | .1893 |
| %RSD | 4.4845 | 3.7180 | 3.5971 | 25.332 | 3.7724 | 3.8167 | 4.6688 |
| #1 | .06111 | 25.161 | .06438 | .00549 | .46458 | 5.1110 | 4.1891 |
| #2 | .05736 | 23.872 | .06119 | .00382 | .44043 | 4.8424 | 3.9214 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .11931 | .01735 | .03118 | .00063 | 166.36 | .00794 | .13105 |
| SDev | .00549 | .00109 | .00076 | .00013 | 5.60 | .00369 | .00418 |
| %RSD | 4.6052 | 6.2922 | 2.4445 | 20.622 | 3.3647 | 46.535 | 3.1914 |
| #1 | .12319 | .01812 | .03172 | .00054 | 170.32 | .00532 | .13401 |
| #2 | .11542 | .01658 | .03064 | .00073 | 162.41 | .01055 | .12810 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .01289 | 1.6329 | .00437 | .01337 | .00876 | .13314 | .13914 |
| SDev | .00100 | .0747 | .00213 | .00398 | .00276 | .00803 | .00708 |
| %RSD | 7.7265 | 4.5730 | 48.795 | 29.750 | 31.475 | 6.0337 | 5.0861 |
| #1 | .01359 | 1.6857 | .00588 | .01056 | .01070 | .13883 | .14414 |
| #2 | .01218 | 1.5801 | .00286 | .01618 | .00681 | .12746 | .13414 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | .00219 | .00278 | .1010 | .1208 | 8.194 |
| SDev | .00092 | .00198 | .0022 | .0054 | .350 |
| %RSD | 41.924 | 71.381 | 2.223 | 4.474 | 4.267 |
| #1 | .00154 | .00138 | .1026 | .1246 | 8.441 |
| #2 | .00284 | .00419 | .0994 | .1170 | 7.946 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6742 | -- | -- | -- | -- | -- | -- |
| SDev | 13.23719 | -- | -- | -- | -- | -- | -- |
| %RSD | .1963381 | -- | -- | -- | -- | -- | -- |
| #1 | 6733 | -- | -- | -- | -- | -- | -- |
| #2 | 6751 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 06:09:43 PM page 1

Method: QTESTNAK Sample Name: DNJXV 2X Operator: KT
Run Time: 11/01/00 18:03:51
mment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03801 | .00118 | .00417 | 98.511 | .02481 | 1.4100 | .00299 |
| SDev | .00019 | .00062 | .00215 | .367 | .00068 | .0041 | .00000 |
| %RSD | .49286 | 52.101 | 51.529 | .37206 | 2.7547 | .29395 | .03800 |
| #1 | .03814 | .00075 | .00265 | 98.770 | .02529 | 1.4129 | .00299 |
| #2 | .03788 | .00162 | .00569 | 98.252 | .02433 | 1.4070 | .00299 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00324 | 459.30 | .14043 | .05204 | .22542 | 126.59 | 81.681 |
| SDev | .00002 | 1.85 | .00007 | .00075 | .00095 | .43 | .332 |
| %RSD | .63564 | .40316 | .05192 | 1.4351 | .42005 | .34314 | .40633 |
| #1 | .00326 | 460.61 | .14037 | .05257 | .22609 | 126.89 | 81.915 |
| #2 | .00323 | 457.99 | .14048 | .05151 | .22475 | 126.28 | 81.446 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.3459 | .00526 | .14383 | -.00128 | 13.918 | .00419 | 5.5083 |
| SDev | .0065 | .00219 | .00043 | .00013 | .175 | .00309 | .0134 |
| %RSD | .27510 | 41.598 | .29897 | 10.470 | 1.2604 | 73.572 | .24381 |
| #1 | 2.3505 | .00680 | .14352 | -.00118 | 13.794 | .00201 | 5.5178 |
| #2 | 2.3414 | .00371 | .14413 | -.00137 | 14.042 | .00637 | 5.4988 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .19705 | .32619 | .00585 | .00599 | .00053 | .02954 | .04224 |
| SDev | .00089 | .00112 | .00002 | .00169 | .00306 | .00280 | .00168 |
| %RSD | .45082 | .34466 | .41053 | 28.270 | 579.61 | 9.4874 | 3.9779 |
| #1 | .19768 | .32699 | .00584 | .00479 | -.00164 | .02756 | .04343 |
| #2 | .19643 | .32540 | .00587 | .00718 | .00269 | .03153 | .04105 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00645 | .00500 | .0574 | 4.140 | 5.037 |
| SDev | .00137 | .00161 | .0011 | .012 | .016 |
| %RSD | 21.224 | 32.194 | 1.884 | .2984 | .3194 |
| #1 | -.00548 | .00386 | .0567 | 4.149 | 5.048 |
| #2 | -.00742 | .00613 | .0582 | 4.131 | 5.025 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6532 | -- | -- | -- | -- | -- | -- |
| SDev | 3.111546 | -- | -- | -- | -- | -- | -- |
| %RSD | .0476331 | -- | -- | -- | -- | -- | -- |
| #1 | 6535 | -- | -- | -- | -- | -- | -- |
| #2 | 6530 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 06:17:45 PM 

Method: QTESTNAK Sample Name: DNMHC 2X Operator: KT
Run Time: 11/01/00 18:11:54
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03075 | L-.00541 | .00615 | 100.80 | .02948 | 1.5672 | .00316 |
| SDev | .00312 | .00110 | .00069 | .21 | .00391 | .0030 | .00000 |
| %RSD | 10.140 | 20.352 | 11.166 | .21145 | 13.271 | .18899 | .00973 |
| #1 | .02855 | L-.00619 | .00566 | 100.96 | .02671 | 1.5651 | .00316 |
| #2 | .03296 | -.00463 | .00663 | 100.65 | .03224 | 1.5693 | .00316 |
| Errors | LC Pass | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00329 | 520.75 | .14642 | .05185 | .14187 | 118.04 | 116.20 |
| SDev | .00026 | .25 | .00048 | .00084 | .00036 | .06 | .16 |
| %RSD | 7.9328 | .04708 | .32507 | 1.6216 | .25162 | .04672 | .13931 |
| #1 | .00310 | 520.57 | .14609 | .05126 | .14161 | 118.08 | 116.09 |
| #2 | .00347 | 520.92 | .14676 | .05245 | .14212 | 118.00 | 116.31 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.7867 | .00222 | .13057 | -.00016 | 20.380 | .00509 | 6.0408 |
| SDev | .0022 | .00106 | .00037 | .00092 | .162 | .00494 | .0131 |
| %RSD | .12093 | 47.966 | .28384 | 568.14 | .79733 | 97.024 | .21650 |
| #1 | 1.7852 | .00297 | .13031 | -.00082 | 20.265 | .00858 | 6.0500 |
| #2 | 1.7882 | .00147 | .13083 | .00049 | 20.495 | .00160 | 6.0315 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .20206 | .25821 | .00116 | .00721 | .00403 | .02351 | .03437 |
| SDev | .00030 | .00003 | .00218 | .00022 | .00163 | .00614 | .00161 |
| %RSD | .14803 | .01085 | 187.67 | 3.0105 | 40.382 | 26.123 | 4.6819 |
| #1 | .20227 | .25819 | .00270 | .00705 | .00288 | .01916 | .03323 |
| #2 | .20184 | .25823 | -.00038 | .00736 | .00518 | .02785 | .03551 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01031 | -.00296 | .0450 | 3.921 | .5861 |
| SDev | .00090 | .00210 | .0010 | .006 | .0006 |
| %RSD | 8.7431 | 70.944 | 2.306 | .1448 | .1015 |
| #1 | -.00967 | -.00444 | .0457 | 3.917 | .5856 |
| #2 | -.01095 | -.00148 | .0442 | 3.925 | .5865 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6607 | -- | -- | -- | -- | -- | -- |
| SDev | .6787949 | -- | -- | -- | -- | -- | -- |
| %RSD | .0102732 | -- | -- | -- | -- | -- | -- |
| #1 | 6608 | -- | -- | -- | -- | -- | -- |
| #2 | 6607 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 06:23:41 PM 

Method: QTESTNAK Sample Name: DN5G4B-0305473 Operator: KT
Run Time: 11/01/00 18:17:49
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00040 | -.00272 | .00327 | .05661 | -.00073 | .00020 | -.00000 |
| SDev | .00034 | .00600 | .00208 | .01047 | .00283 | .00000 | .00006 |
| %RSD | 84.051 | 220.74 | 63.538 | 18.491 | 387.18 | .18687 | 37970. |
| #1 | .00064 | L-.00696 | .00180 | .06402 | -.00273 | .00020 | -.00004 |
| #2 | .00016 | .00152 | .00474 | .04921 | .00127 | .00020 | .00004 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00003 | .06265 | .00104 | -.00029 | -.00120 | .03707 | .01567 |
| SDev | .00013 | .00790 | .00034 | .00000 | .00069 | .01047 | .00003 |
| %RSD | 402.85 | 12.611 | 32.891 | .50708 | 57.360 | 28.247 | .22147 |
| #1 | .00006 | .06823 | .00080 | -.00029 | -.00168 | .04448 | .01565 |
| #2 | -.00013 | .05706 | .00128 | -.00028 | -.00071 | .02967 | .01570 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00030 | .00074 | .00000 | .00055 | .21251 | .00359 | .00187 |
| SDev | .00000 | .00104 | .00071 | .00013 | .11477 | .00484 | .00066 |
| %RSD | .18685 | 140.75 | 201320. | 23.639 | 54.008 | 134.69 | 35.371 |
| #1 | .00030 | .00000 | -.00050 | .00065 | .13135 | .00017 | .00233 |
| #2 | .00030 | .00148 | .00050 | .00046 | .29366 | .00701 | .00140 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .00023 | .00399 | H.10845 | .00491 | -.00001 | -.00185 | .00153 |
| SDev | .00099 | .00000 | .00639 | .00334 | .00045 | .00246 | .00174 |
| %RSD | 428.34 | .05149 | 5.8871 | 68.026 | 3376.4 | 133.45 | 113.90 |
| #1 | -.00047 | .00399 | H.11297 | .00255 | .00030 | -.00359 | .00275 |
| #2 | .00093 | .00399 | H.10394 | .00728 | -.00033 | -.00010 | .00030 |
| Errors | LC Pass | LC Pass | LC High | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .05000 | .02000 | .10000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00473 | -.00172 | .0015 | .0003 | .0139 |
| SDev | .00890 | .00455 | .0000 | .0001 | .0071 |
| %RSD | 188.23 | 265.50 | .2803 | 47.06 | 51.27 |
| #1 | -.01102 | -.00494 | .0015 | .0004 | .0189 |
| #2 | .00156 | .00150 | .0015 | .0002 | .0089 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | .2000 | .0500 | .5000 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6691 | -- | -- | -- | -- | -- | -- |
| SDev | 6.251059 | -- | -- | -- | -- | -- | -- |
| %RSD | .0934308 | -- | -- | -- | -- | -- | -- |
| #1 | 6695 | -- | -- | -- | -- | -- | -- |
| #2 | 6686 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 06:31:43 PM 

Method: QTESTNAK Sample Name: DN5G4C Operator: KT
Run Time: 11/01/00 18:25:52
nment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50483 | 1.9116 | .49613 | 1.9687 | 1.9370 | 2.0293 | .05059 |
| SDev | .00274 | .0019 | .00941 | .0074 | .0066 | .0053 | .00001 |
| %RSD | .54244 | .10136 | 1.8965 | .37596 | .34311 | .26354 | .02591 |
| #1 | .50289 | 1.9130 | .48947 | 1.9739 | 1.9417 | 2.0255 | .05060 |
| #2 | .50676 | 1.9102 | .50278 | 1.9634 | 1.9323 | 2.0331 | .05058 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .60000 | 2.4000 | .60000 | 2.4000 | 2.4000 | 2.4000 | .06000 |
| Low | .40000 | 1.6000 | .40000 | 1.6000 | 1.6000 | 1.6000 | .04000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05316 | L.04569 | .20942 | .53149 | .25237 | 1.0522 | L.01633 |
| SDev | .00039 | .00024 | .00023 | .00153 | .00145 | .0156 | .00162 |
| %RSD | .72703 | .52202 | .11150 | .28879 | .57262 | 1.4815 | 9.9014 |
| #1 | .05343 | L.04586 | .20926 | .53041 | .25339 | 1.0412 | L.01519 |
| #2 | .05289 | L.04552 | .20959 | .53258 | .25135 | 1.0633 | L.01748 |
| Errors | LC Pass | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Low |
| High | .06000 | 60.000 | .24000 | .60000 | .30000 | 1.2000 | 60.000 |
| Low | .04000 | 40.000 | .16000 | .40000 | .20000 | .80000 | 40.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .52080 | 1.0038 | .52780 | .04908 | .27162 | 2.0130 | L.00088 |
| SDev | .00140 | .0120 | .00198 | .00001 | .34297 | .0123 | .00000 |
| %RSD | .26940 | 1.1963 | .37577 | .02646 | 126.27 | .61076 | .16382 |
| #1 | .51981 | .99535 | .52640 | .04909 | .02911 | 2.0043 | L.00088 |
| #2 | .52180 | 1.0123 | .52921 | .04907 | .51414 | 2.0217 | L.00089 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Low |
| High | .60000 | 1.2000 | .60000 | .06000 | | 2.4000 | 1.2000 |
| Low | .40000 | .80000 | .40000 | .04000 | | 1.6000 | .80000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .50266 | .50136 | L.01065 | .49669 | .49499 | .50305 | .50571 |
| SDev | .00085 | .00179 | .00216 | .01008 | .00806 | .00773 | .00025 |
| %RSD | .16840 | .35618 | 20.278 | 2.0297 | 1.6288 | 1.5355 | .04924 |
| #1 | .50206 | .50010 | L.00912 | .48956 | .48929 | .49759 | .50554 |
| #2 | .50325 | .50262 | L.01217 | .50382 | .50070 | .50852 | .50589 |
| Errors | LC Pass | LC Pass | LC Low | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .60000 | .60000 | 2.4000 | | | | |
| Low | .40000 | .40000 | 1.6000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | 1.8824 | 1.9261 | .0051 | L.0000 | L.0473 |
| SDev | .0003 | .0027 | .0010 | .0000 | .0003 |
| %RSD | .01648 | .14278 | 20.42 | .0000 | .5297 |
| #1 | 1.8826 | 1.9281 | .0059 | L.0000 | L.0475 |
| #2 | 1.8822 | 1.9242 | .0044 | L.0000 | L.0471 |
| Errors | NOCHECK | NOCHECK | NOCHECK | LC Low | LC Low |
| High | | | | 1.200 | 12.00 |
| Low | | | | .8000 | 8.000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6671 | -- | -- | -- | -- | -- | -- |
| SDev | 10.69119 | -- | -- | -- | -- | -- | -- |
| %RSD | .1602724 | -- | -- | -- | -- | -- | -- |
| #1 | 6663 | -- | -- | -- | -- | -- | -- |
| #2 | 6678 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 06:39:46 PM 

Method: QTESTNAK Sample Name: DN3EN 5X Operator: KT
Run Time: 11/01/00 18:33:54
ment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00117 | .00103 | .00201 | 1.6739 | .00025 | .04229 | .00009 |
| SDev | .00002 | .00425 | .00196 | .0076 | .00069 | .00060 | .00000 |
| %RSD | 1.8566 | 412.71 | 97.346 | .45238 | 269.28 | 1.4100 | .76066 |
| #1 | -.00115 | -.00198 | .00339 | 1.6792 | -.00023 | .04271 | .00009 |
| #2 | -.00118 | .00404 | .00063 | 1.6685 | .00074 | .04187 | .00009 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00046 | 56.996 | .00099 | -.00057 | .14991 | .12509 | 9.9264 |
| SDev | .00015 | .180 | .00047 | .00041 | .00081 | .01624 | .0920 |
| %RSD | 32.329 | .31556 | 46.846 | 71.135 | .53831 | 12.982 | .92657 |
| #1 | -.00057 | 57.123 | .00132 | -.00086 | .15048 | .13657 | 9.9915 |
| #2 | -.00036 | 56.869 | .00066 | -.00028 | .14934 | .11361 | 9.8614 |
| rors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| gh | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02173 | .00762 | .00512 | .00494 | 587.42 | .01013 | .00115 |
| SDev | .00030 | .00001 | .00000 | .00047 | 2.12 | .00152 | .00034 |
| %RSD | 1.3853 | .10417 | .07605 | 9.4137 | .36120 | 15.022 | 29.368 |
| #1 | .02195 | .00762 | .00513 | .00461 | 588.92 | .00905 | .00139 |
| #2 | .02152 | .00761 | .00512 | .00527 | 585.91 | .01120 | .00091 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .00524 | .01777 | .00608 | .00496 | -.00390 | -.00364 | .00006 |
| SDev | .00067 | .00001 | .00443 | .00058 | .00471 | .00059 | .00026 |
| %RSD | 12.769 | .06662 | 72.766 | 11.687 | 120.77 | 16.169 | 416.45 |
| #1 | .00477 | .01778 | .00921 | .00537 | -.00057 | -.00322 | -.00012 |
| #2 | .00572 | .01776 | .00295 | .00455 | -.00723 | -.00405 | .00025 |
| rors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | .00117 | .00096 | .0806 | .4096 | .7599 |
| SDev | .00275 | .00500 | .0001 | .0033 | .0107 |
| %RSD | 234.62 | 521.37 | .0718 | .8136 | 1.404 |
| #1 | -.00077 | -.00258 | .0806 | .4120 | .7675 |
| #2 | .00312 | .00450 | .0805 | .4073 | .7524 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6530 | -- | -- | -- | -- | -- | -- |
| SDev | 4.525415 | -- | -- | -- | -- | -- | -- |
| %RSD | .0693040 | -- | -- | -- | -- | -- | -- |
| #1 | 6527 | -- | -- | -- | -- | -- | -- |
| #2 | 6533 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 06:47:49 PM 

Method: QTESTNAK Sample Name: DN3ENP 5X Operator: KT
Run Time: 11/01/00 18:41:57
Comment:
Mode: CONC Corr. Factor: 5

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | L-.00181 | L.00336 | L.00742 | 1.7921 | L-.00511 | .04404 | L.00022 |
| SDev | .00461 | .01485 | .02180 | .0430 | .01417 | .00278 | .00000 |
| %RSD | 253.87 | 442.05 | 293.93 | 2.3980 | 277.46 | 6.3211 | 1.5115 |
| #1 | L.00144 | L-.00714 | L-.00800 | 1.8225 | L.00491 | .04601 | L.00022 |
| #2 | L-.00507 | L.01386 | L.02283 | 1.7617 | L-.01512 | .04207 | L.00022 |
| Errors | LC Low | LC Low | LC Low | LC Pass | LC Low | LC Pass | LC Low |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 5.5000 |
| Low | .07500 | .17000 | .10000 | .63000 | .24500 | .01000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | L-.00174 | 58.103 | L.00078 | L-.00141 | .14523 | L.24721 | 10.338 |
| SDev | .00097 | 1.592 | .00113 | .00000 | .00686 | .00009 | .551 |
| %RSD | 55.353 | 2.7403 | 144.70 | .00027 | 4.7225 | .03551 | 5.3266 |
| #1 | L-.00243 | 59.229 | L-.00002 | L-.00141 | .15008 | L.24727 | 10.728 |
| #2 | L-.00106 | 56.977 | L.00158 | L-.00141 | .14039 | L.24715 | 9.9489 |
| Errors | LC Low | LC Pass | LC Low | LC Low | LC Pass | LC Low | LC Pass |
| High | 11.000 | 550.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | .01500 | .38500 | .02000 | .03500 | .04000 | .66500 | .19000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .02270 | L.00372 | L.00250 | L.00830 | 673.00 | L.03508 | L.00233 |
| SDev | .00071 | .00522 | .00000 | .00131 | 21.00 | .00850 | .00000 |
| %RSD | 3.1116 | 140.20 | .07018 | 15.742 | 3.1201 | 24.223 | .09518 |
| #1 | .02320 | L.00003 | L.00250 | L.00923 | 687.85 | L.02907 | L.00233 |
| #2 | .02220 | L.00742 | L.00250 | L.00738 | 658.15 | L.04109 | L.00233 |
| Errors | LC Pass | LC Low | LC Low | LC Low | NOCHECK | LC Low | LC Low |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | | 22.000 | 55.000 |
| Low | .01000 | .10500 | .05500 | .03000 | | .23500 | .01500 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | L.00464 | L.02896 | L.01523 | .00665 | .00896 | -.00838 | .00146 |
| SDev | .00000 | .00001 | .00001 | .03324 | .00112 | .01022 | .00180 |
| %RSD | .00693 | .03406 | .03949 | 500.13 | 12.563 | 122.04 | 123.18 |
| #1 | L.00464 | L.02897 | L.01523 | -.01686 | .00975 | -.00115 | .00274 |
| #2 | L.00464 | L.02895 | L.01523 | .03015 | .00816 | -.01560 | .00019 |
| Errors | LC Low | LC Low | LC Low | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | .02000 | .03500 | .46000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | -.01274 | .01140 | .0801 | .4259 | .7616 |
| SDev | .02012 | .01222 | .0206 | .0232 | .0522 |
| %RSD | 157.96 | 107.28 | 25.75 | 5.454 | 6.856 |
| #1 | -.02696 | .00275 | .0947 | .4423 | .7985 |
| #2 | .00149 | .02004 | .0655 | .4095 | .7247 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 55.00 | 5.500 | 55.00 |
| Low | | | .0550 | .0050 | .2400 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6686 | -- | -- | -- | -- | -- | -- |
| SDev | 2.347815 | -- | -- | -- | -- | -- | -- |
| %RSD | .0351163 | -- | -- | -- | -- | -- | -- |
| #1 | 6684 | -- | -- | -- | -- | -- | -- |
| #2 | 6687 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 06:53:44 PM 

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 18:47:52
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49877 | .49247 | .49466 | 24.619 | .49012 | 1.9904 | 2.0201 |
| SDev | .00198 | .00268 | .00186 | .018 | .00151 | .0058 | .0017 |
| %RSD | .39628 | .54329 | .37576 | .07462 | .30765 | .29325 | .08419 |
| #1 | .50017 | .49058 | .49334 | 24.632 | .48905 | 1.9863 | 2.0213 |
| #2 | .49737 | .49436 | .49597 | 24.606 | .49118 | 1.9945 | 2.0189 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | .55000 | .55000 | 27.500 | .55000 | 2.2000 | 2.2000 |
| Low | .45000 | .45000 | .45000 | 22.500 | .45000 | 1.8000 | 1.8000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50143 | 101.16 | 1.9964 | 1.9953 | 1.9753 | 25.150 | 97.730 |
| SDev | .00087 | .15 | .0078 | .0060 | .0007 | .057 | .263 |
| %RSD | .17333 | .14497 | .39193 | .30040 | .03461 | .22502 | .26879 |
| #1 | .50081 | 101.27 | 1.9909 | 1.9911 | 1.9758 | 25.110 | 97.545 |
| #2 | .50204 | 101.06 | 2.0020 | 1.9996 | 1.9748 | 25.190 | 97.916 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | 110.00 | 2.2000 | 2.2000 | 2.2000 | 27.500 | 110.00 |
| Low | .45000 | 90.000 | 1.8000 | 1.8000 | 1.8000 | 22.500 | 90.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.9986 | 1.9773 | 2.0109 | .98665 | 50.599 | .99047 | 1.9748 |
| SDev | .0073 | .0513 | .0080 | .00053 | .279 | .01250 | .0093 |
| %RSD | .36620 | 2.5935 | .39781 | .05427 | .55230 | 1.2616 | .46919 |
| #1 | 1.9935 | 1.9411 | 2.0053 | .98703 | 50.797 | .98163 | 1.9683 |
| #2 | 2.0038 | 2.0136 | 2.0166 | .98627 | 50.402 | .99930 | 1.9814 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Pass |
| High | 2.2000 | 2.2000 | 2.2000 | 1.1000 | | 1.1000 | 2.2000 |
| Low | 1.8000 | 1.8000 | 1.8000 | .90000 | | .90000 | 1.8000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | 1.9861 | 1.9968 | 1.9810 | .49580 | .49236 | .49630 | .50000 |
| SDev | .0062 | .0039 | .0040 | .00298 | .00038 | .00401 | .00096 |
| %RSD | .31149 | .19470 | .20058 | .60043 | .07740 | .80729 | .19260 |
| #1 | 1.9817 | 1.9941 | 1.9782 | .49370 | .49263 | .49913 | .50068 |
| #2 | 1.9905 | 1.9996 | 1.9838 | .49791 | .49209 | .49347 | .49932 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 2.2000 | 2.2000 | 2.2000 | | | | |
| Low | 1.8000 | 1.8000 | 1.8000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | .48594 | .49573 | 1.941 | 2.002 | 2.087 |
| SDev | .00969 | .00082 | .018 | .006 | .018 |
| %RSD | 1.9935 | .16644 | .9385 | .3042 | .8750 |
| #1 | .47909 | .49632 | 1.928 | 1.997 | 2.074 |
| #2 | .49279 | .49515 | 1.954 | 2.006 | 2.100 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 2.200 | 2.200 | 2.200 |
| Low | | | 1.800 | 1.800 | 1.800 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6608 | -- | -- | -- | -- | -- | -- |
| SDev | 15.95237 | -- | -- | -- | -- | -- | -- |
| %RSD | .2413997 | -- | -- | -- | -- | -- | -- |
| #1 | 6597 | -- | -- | -- | -- | -- | -- |
| #2 | 6620 | -- | -- | -- | -- | -- | -- |

Analysis Report QC Standard 11/01/00 07:05:58 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/01/00 19:00:05
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00131 | -.00038 | .00287 | .02691 | -.00180 | -.00000 | .00001 |
| SDev | .00144 | .00406 | .00145 | .00080 | .00005 | .00028 | .00006 |
| %RSD | 109.62 | 1058.5 | 50.598 | 2.9714 | 2.7822 | 27634. | 773.15 |
| #1 | -.00030 | .00248 | .00184 | .02747 | -.00177 | -.00020 | .00005 |
| #2 | -.00233 | -.00325 | .00390 | .02634 | -.00184 | .00019 | -.00004 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00049 | -.00050 | -.00044 | -.00112 | -.00125 | .00994 | .00390 |
| SDev | .00028 | .00003 | .00051 | .00039 | .00000 | .00343 | .00273 |
| %RSD | 58.066 | 6.6072 | 114.02 | 35.273 | .23307 | 34.484 | 70.179 |
| #1 | -.00069 | -.00047 | -.00080 | -.00084 | -.00124 | .01236 | .00196 |
| #2 | -.00029 | -.00052 | -.00009 | -.00140 | -.00125 | .00752 | .00583 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00000 | .00073 | -.00025 | .00042 | .03384 | .00258 | .00047 |
| SDev | .00014 | .00104 | .00105 | .00045 | .08594 | .00348 | .00000 |
| %RSD | 9929.1 | 142.73 | 419.88 | 108.82 | 253.97 | 135.03 | .07185 |
| #1 | .00010 | .00146 | -.00100 | .00074 | -.02693 | .00012 | .00047 |
| #2 | -.00010 | -.00001 | .00049 | .00010 | .09461 | .00504 | .00047 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .00069 | -.00093 | -.00149 | .00431 | -.00001 | -.00388 | -.00003 |
| SDev | .00098 | .00001 | .00215 | .00195 | .00045 | .00007 | .00219 |
| %RSD | 142.03 | .57426 | 144.29 | 45.366 | 5803.3 | 1.7071 | 7575.3 |
| #1 | .00138 | -.00093 | -.00301 | .00292 | -.00032 | -.00393 | .00152 |
| #2 | -.00000 | -.00093 | .00003 | .00569 | .00031 | -.00384 | -.00158 |
| Errors | QC Pass | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value | .00000 | .00000 | .00000 | | | | |
| Range | .05000 | .02000 | .10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00055 | -.00030 | .0051 | .0000 | <.0000 |
| SDev | .00310 | .00453 | .0010 | .0000 | .0021 |
| %RSD | 563.57 | 1512.1 | 20.21 | .0000 | 42.77 |
| #1 | .00164 | .00291 | .0043 | .0000 | <.0000 |
| #2 | -.00274 | -.00350 | .0058 | .0000 | <.0000 |
| Errors | NOCHECK | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value | | | .0000 | .0000 | .0000 |
| Range | | | .2000 | .0500 | .5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6723 | -- | -- | -- | -- | -- | -- |
| SDev | 2.177944 | -- | -- | -- | -- | -- | -- |
| %RSD | .0323942 | -- | -- | -- | -- | -- | -- |
| #1 | 6722 | -- | -- | -- | -- | -- | -- |
| #2 | 6725 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 07:11:54 PM 

Method: QTESTNAK Sample Name: DN3ENS 5X Operator: KT
Run Time: 11/01/00 19:06:02
mment:
mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10315 | .40138 | .10371 | 2.0296 | .40378 | .43879 | .01022 |
| SDev | .00000 | .00406 | .00171 | .0038 | .00609 | .00039 | .00007 |
| %RSD | .00201 | 1.0107 | 1.6536 | .18806 | 1.5084 | .08889 | .68132 |
| #1 | .10315 | .39851 | .10249 | 2.0269 | .39947 | .43851 | .01027 |
| #2 | .10315 | .40425 | .10492 | 2.0323 | .40808 | .43907 | .01017 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01016 | 54.958 | .04205 | .10637 | .19609 | .32033 | 9.5880 |
| SDev | .00011 | .011 | .00025 | .00036 | .00061 | .00344 | .0067 |
| %RSD | 1.1246 | .01971 | .59203 | .34179 | .31188 | 1.0723 | .06970 |
| #1 | .01024 | 54.951 | .04223 | .10612 | .19566 | .31790 | 9.5927 |
| #2 | .01008 | 54.966 | .04188 | .10663 | .19653 | .32276 | 9.5833 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .12281 | .21427 | .10915 | .01516 | 569.89 | .43536 | .00090 |
| SDev | .00005 | .00098 | .00032 | .00094 | .59 | .00244 | .00000 |
| %RSD | .04039 | .45916 | .29069 | 6.2120 | .10440 | .55970 | .04883 |
| #1 | .12284 | .21357 | .10892 | .01583 | 569.47 | .43364 | .00090 |
| #2 | .12277 | .21497 | .10937 | .01449 | 570.31 | .43708 | .00090 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .10502 | .12188 | .00138 | .10419 | .10274 | .10236 | .10354 |
| SDev | .00105 | .00039 | .00221 | .00541 | .00569 | .00165 | .00082 |
| %RSD | 1.0010 | .32062 | 160.88 | 5.1947 | 5.5393 | 1.6076 | .79644 |
| #1 | .10576 | .12160 | .00294 | .10036 | .10676 | .10353 | .10296 |
| #2 | .10427 | .12216 | -.00019 | .10802 | .09871 | .10120 | .10413 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | .40021 | .40196 | .0813 | .3970 | .7399 |
| SDev | .00030 | .00593 | .0010 | .0001 | .0009 |
| %RSD | .07549 | 1.4756 | 1.255 | .0365 | .1179 |
| #1 | .40000 | .39777 | .0806 | .3969 | .7405 |
| #2 | .40042 | .40615 | .0820 | .3971 | .7392 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6529 | -- | -- | -- | -- | -- | -- |
| SDev | 2.630589 | -- | -- | -- | -- | -- | -- |
| %RSD | .0402937 | -- | -- | -- | -- | -- | -- |
| #1 | 6527 | -- | -- | -- | -- | -- | -- |
| #2 | 6530 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 07:19:57 PM 

Method: QTESTNAK Sample Name: DN3END 5X Operator: KT
Run Time: 11/01/00 19:14:05
mment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10092 | .39739 | .10528 | 2.0362 | .39827 | .43144 | .01004 |
| SDev | .00045 | .00046 | .00347 | .0011 | .00763 | .00131 | .00000 |
| %RSD | .44170 | .11603 | 3.2943 | .05330 | 1.9151 | .30462 | .01537 |
| #1 | .10061 | .39706 | .10283 | 2.0369 | .39288 | .43237 | .01004 |
| #2 | .10124 | .39772 | .10773 | 2.0354 | .40366 | .43051 | .01004 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .01020 | 55.642 | .04088 | .10475 | .19713 | .32910 | 9.6779 |
| SDev | .00012 | .004 | .00045 | .00043 | .00005 | .01428 | .0472 |
| %RSD | 1.1970 | .00706 | 1.1071 | .40909 | .02348 | 4.3396 | .48776 |
| #1 | .01012 | 55.645 | .04120 | .10445 | .19710 | .31900 | 9.7113 |
| #2 | .01029 | 55.639 | .04056 | .10505 | .19716 | .33920 | 9.6445 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .12135 | .21029 | .10917 | .01510 | 576.30 | .41538 | .00091 |
| SDev | .00040 | .00325 | .00105 | .00026 | .40 | .00918 | .00000 |
| %RSD | .32929 | 1.5435 | .96634 | 1.7433 | .06992 | 2.2105 | .01264 |
| #1 | .12164 | .20800 | .10991 | .01528 | 576.02 | .42187 | .00091 |
| #2 | .12107 | .21259 | .10842 | .01491 | 576.58 | .40889 | .00091 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .10478 | .12101 | .00451 | .10745 | .10092 | .09767 | .10254 |
| SDev | .00069 | .00003 | .01102 | .00330 | .00380 | .00233 | .00050 |
| %RSD | .66299 | .02708 | 244.31 | 3.0716 | 3.7691 | 2.3873 | .48348 |
| #1 | .10429 | .12099 | .01230 | .10512 | .09823 | .09602 | .10290 |
| #2 | .10527 | .12103 | -.00328 | .10979 | .10361 | .09932 | .10219 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | .39496 | .39860 | .0802 | .4004 | .7383 |
| SDev | .00191 | .00026 | .0021 | .0014 | .0024 |
| %RSD | .48221 | .06511 | 2.594 | .3567 | .3316 |
| #1 | .39361 | .39879 | .0817 | .4014 | .7400 |
| #2 | .39630 | .39842 | .0787 | .3994 | .7366 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6558 | -- | -- | -- | -- | -- | -- |
| SDev | 1.470837 | -- | -- | -- | -- | -- | -- |
| %RSD | .0224287 | -- | -- | -- | -- | -- | -- |
| #1 | 6559 | -- | -- | -- | -- | -- | -- |
| #2 | 6557 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 07:28:00 PM 

Method: QTESTNAK Sample Name: DN2QGB-0304272 Operator: KT
Run Time: 11/01/00 19:22:09
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00056 | -.00490 | .00388 | .02921 | -.00158 | .00020 | -.00003 |
| SDev | .00177 | .00091 | .00324 | .00366 | .00036 | .00000 | .00007 |
| %RSD | 315.78 | 18.470 | 83.486 | 12.538 | 23.065 | .17759 | 256.65 |
| #1 | .00181 | L-.00554 | .00617 | .02662 | -.00132 | .00020 | -.00007 |
| #2 | -.00069 | -.00426 | .00159 | .03180 | -.00183 | .00020 | .00002 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00014 | .00150 | .00107 | -.00057 | -.00081 | .02880 | .00695 |
| SDev | .00005 | .00009 | .00057 | .00040 | .00033 | .00183 | .00424 |
| %RSD | 38.102 | 6.2728 | 53.317 | 71.086 | 41.090 | 6.3437 | 61.053 |
| #1 | -.00018 | .00156 | .00067 | -.00085 | -.00105 | .03009 | .00395 |
| #2 | -.00010 | .00143 | .00148 | -.00028 | -.00058 | .02751 | .00995 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00010 | -.00148 | .00001 | .00027 | .47255 | .00525 | .00045 |
| SDev | .00000 | .00212 | .00000 | .00119 | .38432 | .00170 | .00000 |
| %RSD | .34534 | 143.66 | 6.2528 | 444.27 | 81.329 | 32.292 | .25876 |
| #1 | .00010 | -.00297 | .00001 | -.00057 | .20080 | .00645 | .00045 |
| #2 | .00010 | .00002 | .00001 | .00111 | .74431 | .00405 | .00045 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .00024 | .00004 | .00766 | .00506 | .00151 | -.00114 | .00141 |
| SDev | .00033 | .00044 | .00658 | .00567 | .00164 | .00091 | .00311 |
| %RSD | 138.29 | 1202.8 | 85.841 | 112.15 | 108.78 | 80.239 | 220.93 |
| #1 | .00048 | .00035 | .01231 | .00907 | .00035 | -.00178 | .00361 |
| #2 | .00001 | -.00028 | .00301 | .00105 | .00267 | -.00049 | -.00079 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .05000 | .02000 | .10000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01560 | .00044 | .0000 | .0000 | .0157 |
| SDev | .00772 | .00250 | .0000 | .0000 | .0012 |
| %RSD | 49.499 | 572.36 | 6.253 | .0000 | 7.403 |
| #1 | -.02106 | .00220 | .0000 | .0000 | .0165 |
| #2 | -.01014 | -.00133 | .0000 | .0000 | .0149 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | .2000 | .0500 | .5000 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6594 | -- | -- | -- | -- | -- | -- |
| SDev | 5.939628 | -- | -- | -- | -- | -- | -- |
| %RSD | .0900697 | -- | -- | -- | -- | -- | -- |
| #1 | 6590 | -- | -- | -- | -- | -- | -- |
| #2 | 6599 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 07:33:56 PM page 1

Method: QTESTNAK Sample Name: DN2QGC Operator: KT
Run Time: 11/01/00 19:28:04
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50355 | 1.8718 | .49128 | 1.9608 | 1.9092 | 2.0500 | .05092 |
| SDev | .00112 | .0056 | .00210 | .0083 | .0162 | .0104 | .00002 |
| %RSD | .22232 | .29992 | .42757 | .42210 | .85054 | .50970 | .03925 |
| #1 | .50434 | 1.8757 | .48980 | 1.9549 | 1.9207 | 2.0574 | .05091 |
| #2 | .50276 | 1.8678 | .49277 | 1.9666 | 1.8977 | 2.0426 | .05094 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .60000 | 2.4000 | .60000 | 2.4000 | 2.4000 | 2.4000 | .06000 |
| Low | .40000 | 1.4000 | .35000 | 1.6000 | 1.5000 | 1.6000 | .04000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05235 | L.00050 | .21038 | .53186 | .25681 | 1.0376 | L.01153 |
| SDev | .00008 | .00037 | .00042 | .00192 | .00040 | .0033 | .00286 |
| %RSD | .15823 | 74.227 | .19905 | .36007 | .15659 | .31638 | 24.774 |
| #1 | .05241 | L.00076 | .21068 | .53322 | .25653 | 1.0353 | L.00951 |
| #2 | .05229 | L.00024 | .21009 | .53051 | .25709 | 1.0399 | L.01355 |
| Errors | LC Pass | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Low |
| High | .06000 | 60.000 | .24000 | .60000 | .30000 | 1.2500 | 60.000 |
| Low | .04000 | 40.000 | .16000 | .40000 | .20000 | .80000 | 40.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .52299 | 1.0118 | .52841 | .04899 | .73406 | 2.0238 | L.00017 |
| SDev | .00301 | .0037 | .00333 | .00035 | .12395 | .0096 | .00033 |
| %RSD | .57531 | .36785 | .62950 | .71935 | 16.885 | .47641 | 186.84 |
| #1 | .52511 | 1.0092 | .53076 | .04874 | .64641 | 2.0306 | L.00041 |
| #2 | .52086 | 1.0144 | .52606 | .04924 | .82170 | 2.0170 | L-.00006 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Low |
| High | .60000 | 1.2000 | .60000 | .06000 | | 2.4000 | 1.2000 |
| Low | .40000 | .80000 | .40000 | .04000 | | 1.6000 | .80000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .50842 | .49891 | .00913 | .48999 | .49387 | .50151 | .50457 |
| SDev | .00017 | .00268 | .00001 | .00124 | .00383 | .00010 | .00163 |
| %RSD | .03422 | .53689 | .12256 | .25286 | .77478 | .02077 | .32234 |
| #1 | .50854 | .50080 | .00914 | .48912 | .49116 | .50158 | .50572 |
| #2 | .50830 | .49702 | .00913 | .49087 | .49657 | .50143 | .50342 |
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .60000 | .60000 | | | | | |
| Low | .40000 | .40000 | | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | 1.8481 | 1.8836 | L.0110 | L.0000 | .1207 |
| SDev | .0088 | .0040 | .0010 | .0000 | .0003 |
| %RSD | .47862 | .21237 | 8.955 | .0000 | .2532 |
| #1 | 1.8544 | 1.8864 | L.0103 | L.0000 | .1209 |
| #2 | 1.8418 | 1.8807 | L.0117 | L.0000 | .1204 |
| Errors | NOCHECK | NOCHECK | LC Low | LC Low | NOCHECK |
| High | | | 1.200 | 1.200 | |
| Low | | | .8000 | .8000 | |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6638 | -- | -- | -- | -- | -- | -- |
| SDev | 23.90007 | -- | -- | -- | -- | -- | -- |
| %RSD | .3600569 | -- | -- | -- | -- | -- | -- |
| #1 | 6621 | -- | -- | -- | -- | -- | -- |
| #2 | 6655 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 07:41:59 PM 

Method: QTESTNAK Sample Name: DNCG1 Operator: KT
Run Time: 11/01/00 19:36:07
mment:
ode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05010 | -.00356 | .00639 | 191.74 | .02628 | 1.0530 | .00584 |
| SDev | .00051 | .00623 | .00477 | .14 | .00195 | .0026 | .00000 |
| %RSD | 1.0214 | 174.76 | 74.719 | .07550 | 7.4353 | .24998 | .01351 |
| #1 | .04974 | .00084 | .00301 | 191.63 | .02766 | 1.0511 | .00584 |
| #2 | .05047 | L-.00797 | .00977 | 191.84 | .02490 | 1.0548 | .00584 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00369 | 25.131 | .21258 | .08093 | .13447 | 208.77 | 43.675 |
| SDev | .00002 | .005 | .00014 | .00086 | .00033 | .23 | .014 |
| %RSD | .55703 | .01802 | .06710 | 1.0644 | .24292 | .10975 | .03283 |
| #1 | .00370 | 25.135 | .21269 | .08032 | .13470 | 208.93 | 43.665 |
| #2 | .00367 | 25.128 | .21248 | .08154 | .13423 | 208.61 | 43.685 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| igh | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.2099 | .00929 | .11305 | -.00262 | 5.4119 | .00731 | 11.176 |
| SDev | .0064 | .00420 | .00002 | .00007 | .1105 | .00292 | .023 |
| %RSD | .19830 | 45.190 | .01399 | 2.5356 | 2.0414 | 39.976 | .20274 |
| #1 | 3.2054 | .01225 | .11304 | -.00257 | 5.4900 | .00524 | 11.192 |
| #2 | 3.2144 | .00632 | .11306 | -.00267 | 5.3338 | .00938 | 11.160 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .43589 | .39828 | .00494 | .01032 | -.00149 | .03422 | .05803 |
| SDev | .00057 | .00008 | .01077 | .00636 | .00159 | .00142 | .00148 |
| %RSD | .13074 | .01998 | 218.12 | 61.652 | 106.58 | 4.1473 | 2.5432 |
| #1 | .43629 | .39823 | .01256 | .00582 | -.00261 | .03523 | .05699 |
| #2 | .43549 | .39834 | -.00268 | .01482 | -.00037 | .03322 | .05908 |
| rrors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01842 | .00385 | .0436 | .3187 | 2.671 |
| SDev | .00313 | .00778 | .0000 | .0009 | .005 |
| %RSD | 16.972 | 202.06 | .0148 | .2936 | .1885 |
| #1 | -.01621 | .00935 | .0436 | .3180 | 2.668 |
| #2 | -.02063 | -.00165 | .0436 | .3194 | 2.675 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6701 | -- | -- | -- | -- | -- | -- |
| SDev | .9332566 | -- | -- | -- | -- | -- | -- |
| %RSD | .0139267 | -- | -- | -- | -- | -- | -- |
| #1 | 6702 | -- | -- | -- | -- | -- | -- |
| #2 | 6701 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 07:50:01 PM 

Method: QTESTNAK Sample Name: DNRCV Operator: KT
Run Time: 11/01/00 19:44:10
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03161 | -.00177 | .00963 | 87.781 | .02674 | .56264 | .00316 |
| SDev | .00148 | .00525 | .00105 | .192 | .00032 | .00194 | .00001 |
| %RSD | 4.6843 | 296.08 | 10.926 | .21845 | 1.2116 | .34476 | .36359 |
| #1 | .03265 | .00194 | .01038 | 87.917 | .02697 | .56401 | .00316 |
| #2 | .03056 | L-.00549 | .00889 | 87.646 | .02651 | .56127 | .00315 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00302 | 19.798 | .16199 | .05997 | .13130 | 145.11 | 34.797 |
| SDev | .00036 | .034 | .00087 | .00097 | .00068 | .34 | .189 |
| %RSD | 11.844 | .17229 | .53770 | 1.6112 | .52002 | .23345 | .54242 |
| #1 | .00277 | 19.822 | .16260 | .06065 | .13178 | 145.35 | 34.931 |
| #2 | .00328 | 19.773 | .16137 | .05928 | .13081 | 144.87 | 34.664 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.6639 | .00653 | .10316 | -.00164 | 3.8772 | .00711 | 10.211 |
| SDev | .0107 | .00106 | .00064 | .00047 | .0548 | .00276 | .024 |
| %RSD | .40277 | 16.198 | .62539 | 28.846 | 1.4123 | 38.884 | .23047 |
| #1 | 2.6715 | .00579 | .10270 | -.00198 | 3.8385 | .00906 | 10.228 |
| #2 | 2.6563 | .00728 | .10362 | -.00131 | 3.9159 | .00515 | 10.195 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .31152 | .27775 | .00542 | .01089 | .00712 | .02450 | .03516 |
| SDev | .00007 | .00084 | .00220 | .00042 | .00400 | .00146 | .00295 |
| %RSD | .02167 | .30281 | 40.489 | 3.8395 | 56.143 | 5.9781 | 8.3936 |
| #1 | .31157 | .27834 | .00698 | .01059 | .00995 | .02346 | .03724 |
| #2 | .31147 | .27715 | .00387 | .01118 | .00429 | .02553 | .03307 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00831 | .00149 | .0967 | .3475 | 2.512 |
| SDev | .00563 | .00507 | .0003 | .0011 | .015 |
| %RSD | 67.663 | 339.88 | .3037 | .3097 | .5843 |
| #1 | -.00434 | .00507 | .0964 | .3483 | 2.522 |
| #2 | -.01229 | -.00209 | .0969 | .3468 | 2.501 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6696 | -- | -- | -- | -- | -- | -- |
| SDev | 49.38423 | -- | -- | -- | -- | -- | -- |
| %RSD | .7374787 | -- | -- | -- | -- | -- | -- |
| #1 | 6661 | -- | -- | -- | -- | -- | -- |
| #2 | 6731 | -- | -- | -- | -- | -- | -- |

Method: QTESTNAK Sample Name: DNRCVP Operator: KT
Run Time: 11/01/00 19:52:13
Comment:
Code: CONC Corr. Factor: 5

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | L.02560 | L-.01846 | L.01139 | 86.809 | L.01080 | .56762 | L.00305 |
| SDev | .00035 | .00370 | .02518 | 1.411 | .00174 | .01232 | .00032 |
| %RSD | 1.3522 | 20.066 | 221.12 | 1.6248 | 16.103 | 2.1698 | 10.463 |
| #1 | L.02535 | L-.02107 | L.02919 | 87.807 | L.00957 | .57632 | L.00328 |
| #2 | L.02584 | L-.01584 | L-.00642 | 85.812 | L.01203 | .55891 | L.00283 |
| Errors | LC Low | LC Low | LC Low | LC Pass | LC Low | LC Pass | LC Low |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 5.5000 |
| Low | .07500 | .17000 | .10000 | .63000 | .24500 | .01000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | L.00065 | 20.114 | .16678 | .05717 | .12183 | 147.82 | 35.333 |
| SDev | .00012 | .358 | .00306 | .00038 | .00176 | 2.52 | .747 |
| %RSD | 17.711 | 1.7805 | 1.8321 | .67219 | 1.4462 | 1.7081 | 2.1133 |
| #1 | L.00057 | 20.367 | .16894 | .05690 | .12307 | 149.61 | 35.861 |
| #2 | L.00073 | 19.861 | .16462 | .05744 | .12058 | 146.04 | 34.805 |
| Errors | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 550.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | .01500 | .38500 | .02000 | .03500 | .04000 | .66500 | .19000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.7258 | L-.00347 | .10657 | L.00164 | 3.9170 | L.02100 | 10.369 |
| SDev | .0531 | .00493 | .00352 | .00130 | 1.1610 | .01386 | .155 |
| %RSD | 1.9482 | 142.39 | 3.2992 | 79.246 | 29.640 | 66.025 | 1.4926 |
| #1 | 2.7634 | L-.00695 | .10408 | L.00072 | 3.0961 | L.03080 | 10.478 |
| #2 | 2.6883 | L.00002 | .10905 | L.00256 | 4.7380 | L.01119 | 10.259 |
| Errors | LC Pass | LC Low | LC Pass | LC Low | NOCHECK | LC Low | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | | 22.000 | 55.000 |
| Low | .01000 | .10500 | .05500 | .03000 | | .23500 | .01500 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .31142 | .28284 | L.02971 | .02312 | -.01212 | .00027 | .03824 |
| SDev | .00792 | .00404 | .01060 | .02526 | .02502 | .02512 | .01202 |
| %RSD | 2.5442 | 1.4298 | 35.675 | 109.24 | 206.36 | 9284.6 | 31.440 |
| #1 | .31703 | .28570 | L.03720 | .04099 | .00557 | -.01749 | .04675 |
| #2 | .30582 | .27998 | L.02221 | .00526 | -.02981 | .01804 | .02974 |
| Errors | LC Pass | LC Pass | LC Low | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | .02000 | .03500 | .46000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.06016 | .00237 | .1011 | .3508 | 2.644 |
| SDev | .00440 | .00775 | .0102 | .0066 | .033 |
| %RSD | 7.3158 | 327.61 | 10.10 | 1.887 | 1.252 |
| #1 | -.05705 | -.00311 | .1083 | .3555 | 2.668 |
| #2 | -.06327 | .00784 | .0939 | .3461 | 2.621 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 55.00 | 5.500 | 55.00 |
| Low | | | .0550 | .0050 | .2400 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6732 | -- | -- | -- | -- | -- | -- |
| SDev | .6504830 | -- | -- | -- | -- | -- | -- |
| %RSD | .0096625 | -- | -- | -- | -- | -- | -- |
| #1 | 6732 | -- | -- | -- | -- | -- | -- |
| #2 | 6732 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 08:03:59 PM page 1

Method: QTESTNAK Sample Name: DNRCVS Operator: KT
Run Time: 11/01/00 19:58:08
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50314 | 1.7898 | .21893 | 93.689 | 1.8448 | 2.4609 | .05187 |
| SDev | .00189 | .0002 | .00518 | .069 | .0061 | .0140 | .00003 |
| %RSD | .37540 | .01042 | 2.3650 | .07348 | .33022 | .57002 | .05887 |
| #1 | .50447 | 1.7899 | .22259 | 93.738 | 1.8405 | 2.4509 | .05185 |
| #2 | .50180 | 1.7896 | .21527 | 93.641 | 1.8491 | 2.4708 | .05190 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05226 | 19.020 | .35478 | .55431 | .37026 | 142.08 | 34.394 |
| SDev | .00103 | .006 | .00230 | .00321 | .00040 | .14 | .127 |
| %RSD | 1.9722 | .03047 | .64785 | .57911 | .10789 | .09923 | .36845 |
| #1 | .05153 | 19.024 | .35316 | .55204 | .36997 | 142.18 | 34.305 |
| #2 | .05298 | 19.016 | .35641 | .55658 | .37054 | 141.98 | 34.484 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.0130 | .94164 | .59399 | .04375 | 3.9574 | 1.9336 | 9.9615 |
| SDev | .0157 | .01188 | .00275 | .00088 | .2066 | .0057 | .0208 |
| %RSD | .52169 | 1.2618 | .46336 | 2.0158 | 5.2211 | .29557 | .20868 |
| #1 | 3.0019 | .93324 | .59205 | .04313 | 3.8113 | 1.9296 | 9.9762 |
| #2 | 3.0242 | .95004 | .59594 | .04437 | 4.1035 | 1.9376 | 9.9468 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .77298 | .74750 | .00551 | .21941 | .21797 | .50178 | .50382 |
| SDev | .00153 | .00379 | .00217 | .00922 | .00292 | .00435 | .00500 |
| %RSD | .19787 | .50716 | 39.410 | 4.2029 | 1.3407 | .86722 | .99327 |
| #1 | .77406 | .74482 | .00398 | .22593 | .21590 | .49870 | .50735 |
| #2 | .77190 | .75018 | .00705 | .21289 | .22004 | .50485 | .50028 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | 1.7760 | 1.7967 | .0941 | .3294 | 2.996 |
| SDev | .0063 | .0034 | .0010 | .0024 | .025 |
| %RSD | .35592 | .19122 | 1.021 | .7429 | .8251 |
| #1 | 1.7715 | 1.7991 | .0934 | .3277 | 2.978 |
| #2 | 1.7805 | 1.7942 | .0948 | .3311 | 3.013 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6672 | -- | -- | -- | -- | -- | -- |
| SDev | 4.836500 | -- | -- | -- | -- | -- | -- |
| %RSD | .0724923 | -- | -- | -- | -- | -- | -- |
| #1 | 6668 | -- | -- | -- | -- | -- | -- |
| #2 | 6675 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 08:16:08 PM page 1

Method: QTESTNAK Sample Name: DNRCVD Operator: KT
Run Time: 11/01/00 20:10:16
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .52057 | 1.8361 | .21825 | 91.507 | 1.9078 | 2.5833 | .05318 |
| SDev | .00557 | .0225 | .00015 | .108 | .0082 | .0101 | .00012 |
| %RSD | 1.0703 | 1.2249 | .06716 | .11811 | .42764 | .39003 | .22459 |
| #1 | .52451 | 1.8520 | .21815 | 91.583 | 1.9136 | 2.5904 | .05326 |
| #2 | .51663 | 1.8202 | .21835 | 91.430 | 1.9020 | 2.5761 | .05309 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05371 | 21.290 | .36150 | .57896 | .42231 | 144.76 | 34.243 |
| SDev | .00004 | .052 | .00181 | .00163 | .00009 | .18 | .202 |
| %RSD | .06963 | .24459 | .50176 | .28248 | .02219 | .12729 | .58995 |
| #1 | .05373 | 21.327 | .36279 | .58012 | .42238 | 144.89 | 34.386 |
| #2 | .05368 | 21.253 | .36022 | .57780 | .42224 | 144.63 | 34.100 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.1730 | .97150 | .60990 | .04543 | 3.8909 | 1.9897 | 9.7155 |
| SDev | .0191 | .00444 | .00447 | .00039 | .0460 | .0013 | .0009 |
| %RSD | .45854 | .45710 | .73286 | .86603 | 1.1829 | .06466 | .00950 |
| #1 | 4.1866 | .96836 | .61306 | .04571 | 3.8583 | 1.9906 | 9.7161 |
| #2 | 4.1595 | .97464 | .60674 | .04515 | 3.9234 | 1.9888 | 9.7148 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .80926 | .78134 | .00248 | .22049 | .21376 | .51923 | .52123 |
| SDev | .00121 | .00409 | .00218 | .00179 | .00315 | .00875 | .00398 |
| %RSD | .14935 | .52409 | 88.104 | .81238 | 1.4725 | 1.6851 | .76460 |
| #1 | .80840 | .78423 | .00402 | .21922 | .21598 | .52542 | .52405 |
| #2 | .81011 | .77844 | .00093 | .22176 | .21153 | .51304 | .51841 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | 1.8148 | 1.8468 | .0959 | .3776 | 2.691 |
| SDev | .0381 | .0147 | .0013 | .0014 | .022 |
| %RSD | 2.1016 | .79480 | 1.388 | .3780 | .8003 |
| #1 | 1.8417 | 1.8572 | .0950 | .3786 | 2.707 |
| #2 | 1.7878 | 1.8364 | .0968 | .3766 | 2.676 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6698 | -- | -- | -- | -- | -- | -- |
| SDev | 49.04483 | -- | -- | -- | -- | -- | -- |
| %RSD | .7322660 | -- | -- | -- | -- | -- | -- |
| #1 | 6663 | -- | -- | -- | -- | -- | -- |
| #2 | 6732 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 08:24:11 PM 

Method: QTESTNAK Sample Name: DNRC2 Operator: KT
Run Time: 11/01/00 20:18:19
Comment:
Code: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05254 | -.00128 | .00760 | 105.14 | .02726 | .91446 | .00367 |
| SDev | .00105 | .00036 | .00371 | .51 | .00051 | .00715 | .00008 |
| %RSD | 2.0030 | 27.949 | 48.853 | .48212 | 1.8550 | .78240 | 2.1228 |
| #1 | .05328 | -.00153 | .00497 | 105.50 | .02690 | .91952 | .00372 |
| #2 | .05179 | -.00103 | .01022 | 104.78 | .02761 | .90940 | .00361 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00344 | 35.669 | .18000 | .06837 | .18302 | 163.92 | 41.456 |
| SDev | .00001 | .196 | .00177 | .00007 | .00128 | .99 | .417 |
| %RSD | .18084 | .54984 | .98234 | .10693 | .69748 | .60499 | 1.0060 |
| #1 | .00343 | 35.808 | .18125 | .06842 | .18393 | 164.62 | 41.751 |
| #2 | .00344 | 35.531 | .17875 | .06832 | .18212 | 163.22 | 41.161 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.8509 | .01140 | .12792 | -.00173 | 9.3802 | .00744 | 10.244 |
| SDev | .0339 | .00531 | .00226 | .00037 | .0626 | .00073 | .061 |
| %RSD | .88062 | 46.569 | 1.7684 | 21.630 | .66693 | 9.8072 | .59157 |
| #1 | 3.8749 | .01515 | .12952 | -.00146 | 9.4244 | .00795 | 10.287 |
| #2 | 3.8269 | .00764 | .12632 | -.00199 | 9.3359 | .00692 | 10.201 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .31925 | .39754 | .00468 | .01152 | -.00027 | .04287 | .05736 |
| SDev | .00245 | .00352 | .00216 | .00329 | .00455 | .00296 | .00010 |
| %RSD | .76852 | .88467 | 46.175 | 28.561 | 1697.0 | 6.9128 | .17086 |
| #1 | .32098 | .40003 | .00621 | .00919 | -.00349 | .04497 | .05743 |
| #2 | .31751 | .39506 | .00315 | .01385 | .00295 | .04078 | .05729 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01189 | .00402 | .0590 | .4402 | 2.514 |
| SDev | .00160 | .00134 | .0006 | .0034 | .030 |
| %RSD | 13.486 | 33.278 | 1.052 | .7626 | 1.205 |
| #1 | -.01076 | .00307 | .0586 | .4426 | 2.536 |
| #2 | -.01303 | .00496 | .0595 | .4379 | 2.493 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6679 | -- | -- | -- | -- | -- | -- |
| SDev | 44.15171 | -- | -- | -- | -- | -- | -- |
| %RSD | .6610586 | -- | -- | -- | -- | -- | -- |
| #1 | 6648 | -- | -- | -- | -- | -- | -- |
| #2 | 6710 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 08:32:13 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 20:26:22
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49758 | .49439 | .49355 | 24.587 | .48734 | 1.9954 | 2.0145 |
| SDev | .00183 | .00118 | .00126 | .059 | .00461 | .0029 | .0026 |
| %RSD | .36808 | .23835 | .25422 | .24093 | .94504 | .14707 | .12860 |
| #1 | .49628 | .49356 | .49444 | 24.629 | .49059 | 1.9975 | 2.0164 |
| #2 | .49887 | .49523 | .49266 | 24.545 | .48408 | 1.9933 | 2.0127 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | .55000 | .55000 | 27.500 | .55000 | 2.2000 | 2.2000 |
| Low | .45000 | .45000 | .45000 | 22.500 | .45000 | 1.8000 | 1.8000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49998 | 100.82 | 1.9952 | 1.9909 | 1.9757 | 25.020 | 97.515 |
| SDev | .00049 | .19 | .0012 | .0007 | .0022 | .021 | .125 |
| %RSD | .09859 | .18716 | .05956 | .03720 | .11064 | .08457 | .12771 |
| #1 | .49963 | 100.95 | 1.9960 | 1.9914 | 1.9772 | 25.035 | 97.603 |
| #2 | .50032 | 100.69 | 1.9943 | 1.9904 | 1.9741 | 25.005 | 97.427 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | 110.00 | 2.2000 | 2.2000 | 2.2000 | 27.500 | 110.00 |
| Low | .45000 | 90.000 | 1.8000 | 1.8000 | 1.8000 | 22.500 | 90.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 1.9967 | 1.9758 | 2.0063 | .98769 | 50.797 | .98461 | 1.9844 |
| SDev | .0020 | .0425 | .0016 | .00175 | .350 | .00441 | .0011 |
| %RSD | .09923 | 2.1488 | .07897 | .17736 | .68992 | .44832 | .05449 |
| #1 | 1.9981 | 1.9458 | 2.0075 | .98893 | 51.044 | .98149 | 1.9852 |
| #2 | 1.9953 | 2.0059 | 2.0052 | .98645 | 50.549 | .98773 | 1.9836 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Pass |
| High | 2.2000 | 2.2000 | 2.2000 | 1.1000 | | 1.1000 | 2.2000 |
| Low | 1.8000 | 1.8000 | 1.8000 | .90000 | | .90000 | 1.8000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | 1.9883 | 1.9959 | 1.9795 | .49499 | .49065 | .49597 | .49838 |
| SDev | .0004 | .0022 | .0031 | .00196 | .00015 | .00064 | .00243 |
| %RSD | .01896 | .11205 | .15758 | .39545 | .03116 | .12858 | .48707 |
| #1 | 1.9886 | 1.9975 | 1.9817 | .49638 | .49054 | .49552 | .49666 |
| #2 | 1.9880 | 1.9943 | 1.9773 | .49361 | .49076 | .49642 | .50010 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 2.2000 | 2.2000 | 2.2000 | | | | |
| Low | 1.8000 | 1.8000 | 1.8000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | .49612 | .49353 | 1.940 | 2.007 | 2.092 |
| Dev | .01429 | .00537 | .001 | .003 | .007 |
| %RSD | 2.8801 | 1.0874 | .0439 | .1542 | .3417 |
| #1 | .48601 | .49733 | 1.940 | 2.010 | 2.087 |
| #2 | .50622 | .48974 | 1.939 | 2.005 | 2.097 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 2.200 | 2.200 | 2.200 |
| Low | | | 1.800 | 1.800 | 1.800 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6613 | -- | -- | -- | -- | -- | -- |
| SDev | 4.186017 | -- | -- | -- | -- | -- | -- |
| %RSD | .0632952 | -- | -- | -- | -- | -- | -- |
| #1 | 6616 | -- | -- | -- | -- | -- | -- |
| #2 | 6611 | -- | -- | -- | -- | -- | -- |

Analysis Report QC Standard 11/01/00 08:40:18 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/01/00 20:34:26
mment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00052 | -.00176 | .00162 | .01887 | -.00410 | -.00000 | .00005 |
| SDev | .00013 | .00560 | .00206 | .00231 | .00688 | .00027 | .00001 |
| %RSD | 25.287 | 317.30 | 127.10 | 12.218 | 167.93 | 19895. | 8.8986 |
| #1 | .00062 | Q-.00572 | .00016 | .02050 | .00077 | .00019 | .00006 |
| #2 | .00043 | .00219 | .00308 | .01724 | -.00897 | -.00020 | .00005 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00023 | -.00049 | -.00012 | .00028 | -.00077 | .00615 | .00492 |
| SDev | .00014 | .00032 | .00005 | .00000 | .00003 | .00524 | .00415 |
| %RSD | 60.866 | 65.831 | 41.948 | .92670 | 4.1574 | 85.198 | 84.395 |
| #1 | -.00013 | -.00072 | -.00009 | .00027 | -.00079 | .00244 | .00198 |
| #2 | -.00032 | -.00026 | -.00016 | .00028 | -.00075 | .00985 | .00785 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00000 | .00293 | -.00075 | .00005 | .26814 | Q.01083 | .00071 |
| SDev | .00014 | .00001 | .00035 | .00006 | .06137 | .00143 | .00033 |
| %RSD | 8453.3 | .49415 | 47.060 | 125.39 | 22.888 | 13.217 | 47.096 |
| #1 | .00010 | .00292 | -.00050 | .00001 | .22475 | .00982 | .00094 |
| #2 | -.00010 | .00294 | -.00100 | .00009 | .31154 | Q.01184 | .00047 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Fail | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .00023 | -.00062 | .00612 | .00275 | -.00063 | -.00059 | .00108 |
| SDev | .00098 | .00044 | .00430 | .00034 | .00550 | .00265 | .00152 |
| %RSD | 428.81 | 70.313 | 70.300 | 12.511 | 869.17 | 446.09 | 140.71 |
| #1 | .00092 | -.00093 | .00308 | .00250 | -.00452 | -.00247 | .00216 |
| #2 | -.00046 | -.00031 | .00916 | .00299 | .00326 | .00128 | .00001 |
| Errors | QC Pass | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value | .00000 | .00000 | .00000 | | | | |
| Range | .05000 | .02000 | .10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | .00416 | -.00472 | .0022 | .0001 | .0028 |
| SDev | .00351 | .00664 | .0010 | .0001 | .0002 |
| %RSD | 84.422 | 140.60 | 48.15 | 141.4 | 5.838 |
| #1 | .00168 | -.00942 | .0014 | .0000 | .0029 |
| #2 | .00665 | -.00003 | .0029 | .0002 | .0026 |
| Errors | NOCHECK | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value | | | .0000 | .0000 | .0000 |
| Range | | | .2000 | .0500 | .5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6723 | -- | -- | -- | -- | -- | -- |
| SDev | 21.29779 | -- | -- | -- | -- | -- | -- |
| %RSD | .3167872 | -- | -- | -- | -- | -- | -- |
| #1 | 6738 | -- | -- | -- | -- | -- | -- |
| #2 | 6708 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 08:46:13 PM page 1

Method: QTESTNAK Sample Name: DNRC7 Operator: KT
Run Time: 11/01/00 20:40:22
mment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04706 | L-.00602 | .00483 | 156.28 | .03811 | 1.4709 | .00561 |
| SDev | .00059 | .00454 | .00026 | .04 | .00150 | .0066 | .00003 |
| %RSD | 1.2469 | 75.291 | 5.3335 | .02294 | 3.9259 | .45031 | .47863 |
| #1 | .04665 | -.00282 | .00465 | 156.31 | .03705 | 1.4755 | .00563 |
| #2 | .04748 | L-.00923 | .00501 | 156.26 | .03917 | 1.4662 | .00560 |
| Errors | LC Pass | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00391 | 42.064 | .24763 | .10669 | .17130 | 215.59 | 61.932 |
| SDev | .00051 | .051 | .00154 | .00010 | .00081 | .20 | .400 |
| %RSD | 12.990 | .12095 | .62131 | .09192 | .47409 | .09415 | .64585 |
| #1 | .00355 | 42.099 | .24872 | .10676 | .17188 | 215.73 | 62.215 |
| #2 | .00427 | 42.028 | .24654 | .10663 | .17073 | 215.44 | 61.649 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.0159 | .01066 | .17220 | -.00286 | 14.298 | .00605 | 12.030 |
| SDev | .0216 | .00521 | .00064 | .00016 | .045 | .00806 | .000 |
| %RSD | .53776 | 48.816 | .36921 | 5.4390 | .31181 | 133.33 | .00335 |
| #1 | 4.0312 | .01435 | .17175 | -.00297 | 14.267 | .01175 | 12.031 |
| #2 | 4.0006 | .00698 | .17265 | -.00275 | 14.330 | .00035 | 12.030 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .39811 | .47100 | -.00104 | .00760 | -.00072 | .03348 | .05385 |
| SDev | .00042 | .00236 | .00220 | .00038 | .00153 | .00207 | .00191 |
| %RSD | .10435 | .50206 | 211.16 | 4.9507 | 211.68 | 6.1839 | 3.5531 |
| #1 | .39840 | .47268 | .00051 | .00786 | -.00180 | .03494 | .05250 |
| #2 | .39782 | .46933 | -.00259 | .00733 | .00036 | .03201 | .05520 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01606 | -.00101 | .0578 | .6457 | 2.626 |
| SDev | .00385 | .00488 | .0014 | .0024 | .012 |
| %RSD | 23.954 | 481.11 | 2.481 | .3802 | .4480 |
| #1 | -.01334 | .00244 | .0588 | .6474 | 2.635 |
| #2 | -.01878 | -.00446 | .0568 | .6439 | 2.618 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6657 | -- | -- | -- | -- | -- | -- |
| SDev | 43.81231 | -- | -- | -- | -- | -- | -- |
| %RSD | .6581409 | -- | -- | -- | -- | -- | -- |
| #1 | 6626 | -- | -- | -- | -- | -- | -- |
| #2 | 6688 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 08:52:08 PM page 1

Method: QTESTNAK Sample Name: DNRDL Operator: KT
Run Time: 11/01/00 20:46:17
mment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .06498 | -.00389 | .00789 | 151.30 | .03353 | 1.1716 | .00474 |
| SDev | .00032 | .00014 | .00354 | .10 | .00096 | .0042 | .00001 |
| %RSD | .49079 | 3.7110 | 44.887 | .06765 | 2.8542 | .36167 | .16902 |
| #1 | .06475 | -.00379 | .00539 | 151.23 | .03421 | 1.1686 | .00475 |
| #2 | .06520 | -.00400 | .01040 | 151.37 | .03286 | 1.1746 | .00474 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00398 | 44.746 | .23922 | .09380 | .21348 | 213.41 | 71.428 |
| SDev | .00003 | .091 | .00052 | .00086 | .00023 | .36 | .028 |
| %RSD | .84477 | .20245 | .21576 | .92184 | .10594 | .17052 | .03862 |
| #1 | .00401 | 44.810 | .23886 | .09319 | .21364 | 213.66 | 71.409 |
| #2 | .00396 | 44.682 | .23959 | .09441 | .21332 | 213.15 | 71.448 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.9447 | .00893 | .18753 | -.00242 | 3.5864 | .01076 | 12.208 |
| SDev | .0062 | .00106 | .00013 | .00047 | .2162 | .00398 | .008 |
| %RSD | .21104 | 11.869 | .06753 | 19.307 | 6.0278 | 36.972 | .06898 |
| #1 | 2.9403 | .00968 | .18762 | -.00275 | 3.4335 | .00795 | 12.202 |
| #2 | 2.9491 | .00818 | .18744 | -.00209 | 3.7392 | .01357 | 12.214 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .31992 | .50809 | .00057 | .01087 | .00194 | .05162 | .07165 |
| SDev | .00020 | .00000 | .00001 | .00152 | .00760 | .00290 | .00097 |
| %RSD | .06183 | .00079 | 1.8336 | 13.963 | 392.13 | 5.6157 | 1.3525 |
| #1 | .32006 | .50809 | .00058 | .00980 | -.00344 | .04957 | .07233 |
| #2 | .31978 | .50808 | .00057 | .01194 | .00731 | .05367 | .07096 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01511 | .00171 | .0483 | .5020 | 3.290 |
| SDev | .00231 | .00137 | .0001 | .0023 | .039 |
| %RSD | 15.285 | 80.228 | .2716 | .4599 | 1.191 |
| #1 | -.01675 | .00268 | .0484 | .5003 | 3.262 |
| #2 | -.01348 | .00074 | .0482 | .5036 | 3.318 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6647 | -- | -- | -- | -- | -- | -- |
| SDev | 17.02719 | -- | -- | -- | -- | -- | -- |
| %RSD | .2561650 | -- | -- | -- | -- | -- | -- |
| #1 | 6635 | -- | -- | -- | -- | -- | -- |
| #2 | 6659 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 09:07:33 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 21:01:41
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49556 | .49074 | .49185 | 24.548 | .49074 | 2.0003 | 2.0151 |
| SDev | .00244 | .00733 | .00784 | .020 | .00148 | .0032 | .0031 |
| %RSD | .49222 | 1.4944 | 1.5947 | .08218 | .30247 | .15765 | .15201 |
| #1 | .49384 | .49592 | .48630 | 24.563 | .48969 | 1.9981 | 2.0172 |
| #2 | .49729 | .48555 | .49740 | 24.534 | .49179 | 2.0025 | 2.0129 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | .55000 | .55000 | 27.500 | .55000 | 2.2000 | 2.2000 |
| Low | .45000 | .45000 | .45000 | 22.500 | .45000 | 1.8000 | 1.8000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50139 | 100.74 | 2.0028 | 2.0027 | 1.9716 | 25.101 | 97.974 |
| SDev | .00145 | .13 | .0029 | .0042 | .0018 | .033 | .093 |
| %RSD | .28854 | .13264 | .14253 | .21179 | .08946 | .13037 | .09448 |
| #1 | .50036 | 100.83 | 2.0008 | 1.9997 | 1.9729 | 25.124 | 97.909 |
| #2 | .50241 | 100.64 | 2.0048 | 2.0057 | 1.9704 | 25.078 | 98.040 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | 110.00 | 2.2000 | 2.2000 | 2.2000 | 27.500 | 110.00 |
| Low | .45000 | 90.000 | 1.8000 | 1.8000 | 1.8000 | 22.500 | 90.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.0051 | 1.9834 | 2.0140 | .98617 | 50.558 | .99579 | 1.9884 |
| SDev | .0037 | .0532 | .0074 | .00071 | .067 | .00446 | .0010 |
| %RSD | .18292 | 2.6830 | .36735 | .07203 | .13329 | .44828 | .04900 |
| #1 | 2.0026 | 1.9458 | 2.0088 | .98567 | 50.605 | .99264 | 1.9877 |
| #2 | 2.0077 | 2.0210 | 2.0192 | .98668 | 50.510 | .99895 | 1.9891 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Pass |
| High | 2.2000 | 2.2000 | 2.2000 | 1.1000 | | 1.1000 | 2.2000 |
| Low | 1.8000 | 1.8000 | 1.8000 | .90000 | | .90000 | 1.8000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | 1.9955 | 2.0022 | 1.9838 | .49263 | .49029 | .49332 | .49668 |
| SDev | .0003 | .0050 | .0015 | .01311 | .00271 | .00516 | .00108 |
| %RSD | .01588 | .24933 | .07732 | 2.6619 | .55328 | 1.0469 | .21718 |
| #1 | 1.9957 | 1.9987 | 1.9849 | .48336 | .49220 | .48967 | .49591 |
| #2 | 1.9953 | 2.0057 | 1.9827 | .50190 | .48837 | .49698 | .49744 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 2.2000 | 2.2000 | 2.2000 | | | | |
| Low | 1.8000 | 1.8000 | 1.8000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | .49282 | .48969 | 1.952 | 2.009 | 2.097 |
| SDev | .00255 | .00972 | .013 | .003 | .010 |
| %RSD | .51701 | 1.9854 | .6689 | .1479 | .4809 |
| #1 | .49463 | .49657 | 1.943 | 2.007 | 2.090 |
| #2 | .49102 | .48282 | 1.962 | 2.011 | 2.104 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 2.200 | 2.200 | 2.200 |
| Low | | | 1.800 | 1.800 | 1.800 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6646 | -- | -- | -- | -- | -- | -- |
| SDev | 2.149632 | -- | -- | -- | -- | -- | -- |
| %RSD | .0323469 | -- | -- | -- | -- | -- | -- |
| #1 | 6647 | -- | -- | -- | -- | -- | -- |
| #2 | 6644 | -- | -- | -- | -- | -- | -- |

Analysis Report QC Standard 11/01/00 09:19:33 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/01/00 21:13:40
mment:
ode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00111 | Q-.00502 | .00382 | .01209 | -.00103 | -.00000 | -.00003 |
| SDev | .00069 | .00083 | .00390 | .00562 | .00398 | .00028 | .00001 |
| %RSD | 62.240 | 16.551 | 102.13 | 46.490 | 386.96 | 46473. | 27.964 |
| #1 | -.00062 | -.00443 | .00657 | .00811 | -.00384 | -.00020 | -.00003 |
| #2 | -.00160 | Q-.00561 | .00106 | .01606 | .00178 | .00019 | -.00004 |
| Errors | QC Pass | QC Fail | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00052 | -.00067 | -.00036 | -.00000 | -.00102 | .01725 | .00096 |
| SDev | .00024 | .00052 | .00085 | .00118 | .00039 | .01037 | .00691 |
| %RSD | 45.763 | 76.796 | 232.84 | 3112200. | 37.834 | 60.116 | 719.52 |
| #1 | -.00069 | -.00104 | -.00096 | -.00084 | -.00130 | .00991 | -.00393 |
| #2 | -.00035 | -.00031 | .00024 | .00084 | -.00075 | .02458 | .00585 |
| rrors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| alue | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00020 | -.00074 | -.00025 | .00019 | -.05089 | .00179 | .00048 |
| SDev | .00014 | .00104 | .00035 | .00052 | .17666 | .00159 | .00001 |
| %RSD | 70.396 | 141.04 | 140.58 | 270.84 | 347.14 | 88.649 | 1.5228 |
| #1 | -.00030 | -.00148 | -.00050 | -.00017 | -.17581 | .00292 | .00048 |
| #2 | -.00010 | -.00000 | -.00000 | .00055 | .07403 | .00067 | .00047 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | -.00023 | -.00093 | -.00147 | .00428 | .00288 | -.00434 | .00050 |
| SDev | .00033 | .00001 | .00211 | .00518 | .00134 | .00250 | .00021 |
| %RSD | 139.91 | .70180 | 143.09 | 120.85 | 46.416 | 57.506 | 41.816 |
| #1 | -.00047 | -.00094 | -.00296 | .00794 | .00383 | -.00257 | .00035 |
| #2 | -.00000 | -.00093 | .00002 | .00062 | .00194 | -.00610 | .00065 |
| rrors | QC Pass | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value | .00000 | .00000 | .00000 | | | | |
| Range | .05000 | .02000 | .10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | -.00116 | -.00695 | <.0000 | .0000 | <.0000 |
| SDev | .00673 | .00212 | .0000 | .0000 | .0000 |
| %RSD | 578.14 | 30.445 | .5011 | .0000 | 3.156 |
| #1 | .00360 | -.00844 | <.0000 | .0000 | <.0000 |
| #2 | -.00593 | -.00545 | <.0000 | .0000 | <.0000 |
| Errors | NOCHECK | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value | | | .0000 | .0000 | .0000 |
| Range | | | .2000 | .0500 | .5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6735 | -- | -- | -- | -- | -- | -- |
| SDev | 34.19559 | -- | -- | -- | -- | -- | -- |
| %RSD | .5077221 | -- | -- | -- | -- | -- | -- |
| #1 | 6759 | -- | -- | -- | -- | -- | -- |
| #2 | 6711 | -- | -- | -- | -- | -- | -- |

Method: QTESTNAK Sample Name: DN2QGB-0304272 Operator: KT
Run Time: 11/01/00 21:20:53
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00029 | .00241 | .00383 | .01183 | -.00160 | .00000 | -.00007 |
| SDev | .00026 | .00401 | .00138 | .00435 | .00113 | .00028 | .00001 |
| %RSD | 89.825 | 166.23 | 36.114 | 36.790 | 70.498 | 17368. | 16.480 |
| #1 | -.00011 | -.00042 | .00481 | .01491 | -.00080 | -.00020 | -.00008 |
| #2 | -.00047 | H.00524 | .00285 | .00875 | -.00240 | .00020 | -.00006 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00022 | .00128 | .00095 | -.00142 | -.00108 | .02385 | .00494 |
| SDev | .00025 | .00061 | .00085 | .00081 | .00063 | .00902 | .00420 |
| %RSD | 114.53 | 47.976 | 89.637 | 57.105 | 58.197 | 37.826 | 85.134 |
| #1 | -.00004 | .00171 | .00035 | -.00199 | -.00152 | .03023 | .00197 |
| #2 | -.00040 | .00085 | .00154 | -.00085 | -.00064 | .01747 | .00791 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00020 | -.00148 | .00000 | .00004 | .71105 | .00188 | .00021 |
| SDev | .00014 | .00211 | .00071 | .00047 | .09008 | .00366 | .00032 |
| %RSD | 68.113 | 142.75 | 17273. | 1325.7 | 12.669 | 194.78 | 151.84 |
| #1 | .00011 | -.00298 | -.00050 | -.00029 | .64736 | -.00071 | .00044 |
| #2 | .00030 | .00001 | .00051 | .00037 | .77475 | .00447 | -.00002 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | -.00023 | .00003 | .00146 | .00697 | -.00245 | -.00500 | .00206 |
| SDev | .00033 | .00042 | .00221 | .00243 | .00071 | .00443 | .00260 |
| %RSD | 144.45 | 1339.1 | 151.40 | 34.845 | 28.881 | 88.615 | 126.09 |
| #1 | .00000 | -.00026 | -.00010 | .00869 | -.00295 | -.00814 | .00390 |
| #2 | -.00046 | .00033 | .00303 | .00525 | -.00195 | -.00187 | .00022 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .05000 | .02000 | .10000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

000400

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | .00041 | .00341 | .0000 | .0000 | .0191 |
| SDev | .00867 | .00168 | .0000 | .0000 | .0018 |
| %RSD | 2101.9 | 49.234 | 47.95 | .0000 | 9.432 |
| #1 | -.00572 | .00222 | .0000 | .0000 | .0204 |
| #2 | .00654 | .00459 | .0000 | .0000 | .0179 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | .2000 | .0500 | .5000 |
| Low | | | -.2000 | -.0500 | -.5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6608 | -- | -- | -- | -- | -- | -- |
| SDev | 39.08906 | -- | -- | -- | -- | -- | -- |
| %RSD | .5915020 | -- | -- | -- | -- | -- | -- |
| #1 | 6581 | -- | -- | -- | -- | -- | -- |
| #2 | 6636 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 09:32:41 PM page 1

Method: QTESTNAK Sample Name: DN2QGC Operator: KT
Run Time: 11/01/00 21:26:49
omment:
ode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50332 | 1.8689 | .49172 | 1.9352 | 1.9234 | 2.0596 | .05103 |
| SDev | .00396 | .0143 | .00087 | .0079 | .0004 | .0005 | .00006 |
| %RSD | .78569 | .76463 | .17619 | .40780 | .02017 | .02634 | .11282 |
| #1 | .50612 | 1.8790 | .49233 | 1.9408 | 1.9236 | 2.0592 | .05099 |
| #2 | .50052 | 1.8588 | .49111 | 1.9296 | 1.9231 | 2.0599 | .05107 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .60000 | 2.4000 | .60000 | 2.4000 | 2.4000 | 2.4000 | .06000 |
| Low | .40000 | 1.4000 | .35000 | 1.6000 | 1.5000 | 1.6000 | .04000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05278 | L.00597 | .21188 | .53424 | .25833 | 1.0545 | L.01464 |
| SDev | .00013 | .00793 | .00054 | .00120 | .00006 | .0123 | .00441 |
| %RSD | .23830 | 132.97 | .25610 | .22430 | .02474 | 1.1630 | 30.125 |
| #1 | .05270 | L.00036 | .21227 | .53339 | .25838 | 1.0459 | L.01152 |
| #2 | .05287 | L.01158 | .21150 | .53508 | .25829 | 1.0632 | L.01776 |
| Errors | LC Pass | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Low |
| igh | .06000 | 60.000 | .24000 | .60000 | .30000 | 1.2500 | 60.000 |
| Low | .04000 | 40.000 | .16000 | .40000 | .20000 | .80000 | 40.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .52638 | 1.0175 | .52863 | .04920 | .75785 | 2.0247 | L.00065 |
| SDev | .00009 | .0132 | .00150 | .00052 | .08989 | .0015 | .00033 |
| %RSD | .01607 | 1.2957 | .28351 | 1.0514 | 11.861 | .07611 | 50.967 |
| #1 | .52644 | 1.0082 | .52969 | .04883 | .69429 | 2.0236 | L.00088 |
| #2 | .52632 | 1.0268 | .52757 | .04956 | .82141 | 2.0258 | L.00041 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Low |
| High | .60000 | 1.2000 | .60000 | .06000 | | 2.4000 | 1.2000 |
| Low | .40000 | .80000 | .40000 | .04000 | | 1.6000 | .80000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .51606 | .50077 | -.00316 | .49236 | .49044 | .50347 | .50324 |
| SDev | .00089 | .00012 | .00433 | .00191 | .00122 | .00107 | .00539 |
| %RSD | .17194 | .02370 | 137.09 | .38754 | .24879 | .21316 | 1.0717 |
| #1 | .51543 | .50068 | -.00010 | .49371 | .48957 | .50423 | .50706 |
| #2 | .51669 | .50085 | -.00622 | .49101 | .49130 | .50271 | .49943 |
| rrors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .60000 | .60000 | | | | | |
| Low | .40000 | .40000 | | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | 1.8592 | 1.8738 | L.0110 | L.0000 | .1219 |
| SDev | .0028 | .0201 | .0010 | .0000 | .0014 |
| %RSD | .14807 | 1.0701 | 9.226 | .0000 | 1.135 |
| #1 | 1.8611 | 1.8880 | L.0103 | L.0000 | .1229 |
| #2 | 1.8572 | 1.8596 | L.0117 | L.0000 | .1210 |
| Errors | NOCHECK | NOCHECK | LC Low | LC Low | NOCHECK |
| High | | | 1.200 | 1.200 | |
| Low | | | .8000 | .8000 | |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6654 | -- | -- | -- | -- | -- | -- |
| SDev | 9.927807 | -- | -- | -- | -- | -- | -- |
| %RSD | .1492019 | -- | -- | -- | -- | -- | -- |
| #1 | 6647 | -- | -- | -- | -- | -- | -- |
| #2 | 6661 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 09:40:43 PM page 1

Method: QTESTNAK Sample Name: DNCG1 Operator: KT
Run Time: 11/01/00 21:34:52
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04762 | -.00327 | .00608 | 191.22 | .02774 | 1.0570 | .00578 |
| SDev | .00099 | .00188 | .00689 | .34 | .00196 | .0037 | .00005 |
| %RSD | 2.0810 | 57.592 | 113.40 | .17569 | 7.0666 | .35233 | .92856 |
| #1 | .04691 | -.00194 | .01095 | 191.46 | .02913 | 1.0596 | .00574 |
| #2 | .04832 | -.00460 | .00120 | 190.98 | .02636 | 1.0544 | .00582 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00393 | 25.080 | .21369 | .08004 | .13534 | 209.46 | 43.890 |
| SDev | .00008 | .045 | .00127 | .00068 | .00039 | .25 | .280 |
| %RSD | 1.9612 | .17923 | .59348 | .85319 | .28693 | .11998 | .63703 |
| #1 | .00399 | 25.112 | .21459 | .08052 | .13562 | 209.64 | 44.088 |
| #2 | .00388 | 25.048 | .21279 | .07956 | .13507 | 209.28 | 43.693 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.2270 | .01085 | .11252 | -.00257 | 5.2063 | .00647 | 11.323 |
| SDev | .0147 | .00208 | .00066 | .00066 | .0167 | .00340 | .003 |
| %RSD | .45706 | 19.178 | .58750 | 25.699 | .31992 | 52.437 | .02446 |
| #1 | 3.2374 | .01233 | .11299 | -.00304 | 5.1945 | .00888 | 11.325 |
| #2 | 3.2166 | .00938 | .11205 | -.00210 | 5.2180 | .00407 | 11.321 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .43972 | .40027 | -.00123 | .01069 | -.00316 | .02944 | .05669 |
| SDev | .00059 | .00286 | .00215 | .00861 | .00346 | .00242 | .00028 |
| %RSD | .13325 | .71432 | 174.57 | 80.510 | 109.47 | 8.2213 | .48922 |
| #1 | .44013 | .40229 | -.00275 | .01678 | -.00071 | .02773 | .05650 |
| #2 | .43930 | .39825 | .00029 | .00461 | -.00561 | .03115 | .05689 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| rge | -.01834 | .00426 | .0456 | .3194 | 2.714 |
| SDev | .00675 | .00619 | .0012 | .0012 | .021 |
| %RSD | 36.820 | 145.43 | 2.537 | .3669 | .7786 |
| #1 | -.02312 | .00864 | .0464 | .3202 | 2.729 |
| #2 | -.01357 | -.00012 | .0448 | .3186 | 2.699 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6718 | -- | -- | -- | -- | -- | -- |
| SDev | 18.41309 | -- | -- | -- | -- | -- | -- |
| %RSD | .2740916 | -- | -- | -- | -- | -- | -- |
| #1 | 6705 | -- | -- | -- | -- | -- | -- |
| #2 | 6731 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 09:48:46 PM page 1

Method: QTESTNAK Sample Name: DNRCV Operator: KT
Run Time: 11/01/00 21:42:55
mment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03151 | -.00232 | .00750 | 87.693 | .02945 | .56309 | .00318 |
| SDev | .00089 | .00187 | .00019 | .104 | .00012 | .00141 | .00006 |
| %RSD | 2.8342 | 80.456 | 2.5789 | .11906 | .38984 | .25080 | 1.8495 |
| #1 | .03214 | -.00100 | .00763 | 87.767 | .02937 | .56409 | .00314 |
| #2 | .03087 | -.00364 | .00736 | 87.619 | .02953 | .56210 | .00323 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00291 | 19.786 | .16261 | .06048 | .13206 | 145.68 | 34.901 |
| SDev | .00005 | .021 | .00136 | .00012 | .00048 | .17 | .172 |
| %RSD | 1.7117 | .10810 | .83420 | .19373 | .36680 | .11483 | .49295 |
| #1 | .00288 | 19.801 | .16357 | .06040 | .13240 | 145.80 | 35.023 |
| #2 | .00295 | 19.771 | .16165 | .06057 | .13171 | 145.56 | 34.779 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.6708 | .00813 | .10309 | -.00194 | 3.8408 | .00971 | 10.331 |
| SDev | .0077 | .00103 | .00103 | .00001 | .0475 | .00478 | .009 |
| %RSD | .28849 | 12.702 | 1.0039 | .49691 | 1.2377 | 49.222 | .09192 |
| #1 | 2.6762 | .00886 | .10236 | -.00194 | 3.8744 | .00633 | 10.337 |
| #2 | 2.6653 | .00740 | .10382 | -.00193 | 3.8072 | .01309 | 10.324 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .31430 | .27867 | .00983 | .01028 | .00193 | .02581 | .03435 |
| SDev | .00017 | .00102 | .00858 | .00323 | .00588 | .00009 | .00138 |
| %RSD | .05468 | .36478 | 87.248 | 31.393 | 305.28 | .33423 | 4.0228 |
| #1 | .31418 | .27939 | .01590 | .01256 | -.00223 | .02575 | .03533 |
| #2 | .31442 | .27795 | .00377 | .00800 | .00609 | .02587 | .03337 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01559 | .00430 | .0978 | .3469 | 2.584 |
| SDev | .00298 | .00131 | .0003 | .0003 | .003 |
| %RSD | 19.125 | 30.493 | .3582 | .0933 | .1250 |
| #1 | -.01349 | .00523 | .0980 | .3471 | 2.586 |
| #2 | -.01770 | .00338 | .0975 | .3467 | 2.582 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6765 | -- | -- | -- | -- | -- | -- |
| SDev | 23.53271 | -- | -- | -- | -- | -- | -- |
| %RSD | .3478473 | -- | -- | -- | -- | -- | -- |
| #1 | 6749 | -- | -- | -- | -- | -- | -- |
| #2 | 6782 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 09:56:49 PM page 1

Method: QTESTNAK Sample Name: DNRCVP Operator: KT
Run Time: 11/01/00 21:50:57
Comment:
Mode: CONC Corr. Factor: 5

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | L.02866 | L-.00558 | L.00566 | 86.589 | L.03171 | .56505 | L.00285 |
| SDev | .00749 | .02962 | .00547 | .129 | .02220 | .00313 | .00001 |
| %RSD | 26.140 | 530.95 | 96.624 | .14950 | 70.026 | .55472 | .41900 |
| #1 | L.03396 | L.01537 | L.00952 | 86.681 | L.04740 | .56283 | L.00284 |
| #2 | L.02336 | L-.02652 | L.00179 | 86.498 | L.01601 | .56727 | L.00286 |
| Errors | LC Low | LC Low | LC Low | LC Pass | LC Low | LC Pass | LC Low |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 5.5000 |
| Low | .07500 | .17000 | .10000 | .63000 | .24500 | .01000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | L.00225 | 20.218 | .16422 | .06084 | .12579 | 147.69 | 35.024 |
| SDev | .00111 | .036 | .00027 | .00187 | .00472 | .26 | .104 |
| %RSD | 49.158 | .17591 | .16287 | 3.0815 | 3.7547 | .17740 | .29833 |
| #1 | L.00147 | 20.243 | .16403 | .05952 | .12245 | 147.88 | 34.950 |
| #2 | L.00303 | 20.193 | .16441 | .06217 | .12913 | 147.51 | 35.098 |
| Errors | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 550.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | .01500 | .38500 | .02000 | .03500 | .04000 | .66500 | .19000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.6999 | L.01118 | .10607 | L-.00177 | 7.8651 | L.03813 | 10.417 |
| SDev | .0126 | .00513 | .00019 | .00227 | 1.5391 | .00171 | .026 |
| %RSD | .46731 | 45.921 | .17552 | 128.02 | 19.569 | 4.4957 | .24968 |
| #1 | 2.6909 | L.00755 | .10621 | L-.00337 | 6.7768 | L.03692 | 10.435 |
| #2 | 2.7088 | L.01481 | .10594 | L-.00017 | 8.9535 | L.03934 | 10.398 |
| Errors | LC Pass | LC Low | LC Pass | LC Low | NOCHECK | LC Low | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | | 22.000 | 55.000 |
| Low | .01000 | .10500 | .05500 | .03000 | | .23500 | .01500 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .31452 | .28146 | L.02211 | .01009 | -.00322 | .01070 | .03763 |
| SDev | .00216 | .00052 | .00002 | .01559 | .01481 | .00160 | .01044 |
| %RSD | .68599 | .18351 | .07688 | 154.54 | 460.57 | 14.918 | 27.733 |
| #1 | .31605 | .28183 | L.02210 | .02111 | -.01369 | .01183 | .04501 |
| #2 | .31299 | .28110 | L.02212 | -.00094 | .00726 | .00957 | .03025 |
| Errors | LC Pass | LC Pass | LC Low | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | .02000 | .03500 | .46000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01899 | .00112 | .0934 | .3482 | 2.737 |
| SDev | .02223 | .05551 | .0002 | .0016 | .011 |
| %RSD | 117.07 | 4977.5 | .1982 | .4627 | .3926 |
| #1 | -.03470 | .04036 | .0935 | .3470 | 2.744 |
| #2 | -.00327 | -.03813 | .0933 | .3493 | 2.729 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 55.00 | 5.500 | 55.00 |
| Low | | | .0550 | .0050 | .2400 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6763 | -- | -- | -- | -- | -- | -- |
| SDev | 11.59648 | -- | -- | -- | -- | -- | -- |
| %RSD | .1714817 | -- | -- | -- | -- | -- | -- |
| #1 | 6754 | -- | -- | -- | -- | -- | -- |
| #2 | 6771 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 10:02:44 PM page 1

Method: QTESTNAK Sample Name: DNRCVS Operator: KT
Run Time: 11/01/00 21:56:52
mment:
ode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50398 | 1.7868 | .21870 | 93.235 | 1.8360 | 2.4554 | .05185 |
| SDev | .00367 | .0121 | .00081 | .124 | .0060 | .0157 | .00005 |
| %RSD | .72775 | .67979 | .36967 | .13345 | .32716 | .64109 | .09418 |
| #1 | .50139 | 1.7782 | .21813 | 93.147 | 1.8318 | 2.4443 | .05189 |
| #2 | .50657 | 1.7954 | .21927 | 93.323 | 1.8403 | 2.4665 | .05182 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05138 | 18.952 | .35463 | .55309 | .37018 | 142.31 | 34.385 |
| SDev | .00017 | .000 | .00138 | .00280 | .00089 | .07 | .107 |
| %RSD | .32773 | .00201 | .38845 | .50616 | .24076 | .04981 | .31008 |
| #1 | .05126 | 18.952 | .35365 | .55111 | .36955 | 142.36 | 34.310 |
| #2 | .05150 | 18.951 | .35560 | .55507 | .37081 | 142.26 | 34.461 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.0137 | .93867 | .58982 | .04358 | 3.7855 | 1.9237 | 10.071 |
| SDev | .0161 | .01111 | .00211 | .00044 | .0455 | .0026 | .003 |
| %RSD | .53462 | 1.1840 | .35846 | 1.0016 | 1.2030 | .13692 | .02880 |
| #1 | 3.0023 | .93081 | .58833 | .04327 | 3.8177 | 1.9218 | 10.069 |
| #2 | 3.0251 | .94653 | .59132 | .04389 | 3.7533 | 1.9255 | 10.073 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .77927 | .74752 | .00539 | .21958 | .21693 | .50074 | .50560 |
| SDev | .00136 | .00406 | .00640 | .00174 | .00106 | .00043 | .00528 |
| %RSD | .17390 | .54357 | 118.85 | .79381 | .49027 | .08547 | 1.0453 |
| #1 | .77831 | .74464 | .00991 | .21835 | .21768 | .50043 | .50186 |
| #2 | .78023 | .75039 | .00086 | .22081 | .21618 | .50104 | .50934 |
| rors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | 1.7771 | 1.7916 | .0938 | .3282 | 2.965 |
| sDev | .0011 | .0187 | .0024 | .0021 | .005 |
| %RSD | .05929 | 1.0458 | 2.606 | .6424 | .1558 |
| #1 | 1.7779 | 1.7784 | .0921 | .3267 | 2.962 |
| #2 | 1.7764 | 1.8049 | .0956 | .3297 | 2.968 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6742 | -- | -- | -- | -- | -- | -- |
| SDev | 28.14306 | -- | -- | -- | -- | -- | -- |
| %RSD | .4174574 | -- | -- | -- | -- | -- | -- |
| #1 | 6761 | -- | -- | -- | -- | -- | -- |
| #2 | 6722 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 10:10:47 PM page 1

Method: QTESTNAK Sample Name: DNRCVD Operator: KT
Run Time: 11/01/00 22:04:55
Comment:
Code: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .51802 | 1.8303 | .22023 | 90.856 | 1.8990 | 2.5780 | .05286 |
| SDev | .00311 | .0013 | .00440 | .000 | .0072 | .0188 | .00003 |
| %RSD | .60089 | .07243 | 1.9988 | .00010 | .37771 | .72758 | .06126 |
| #1 | .51582 | 1.8294 | .21712 | 90.856 | 1.8939 | 2.5647 | .05289 |
| #2 | .52022 | 1.8313 | .22334 | 90.857 | 1.9041 | 2.5912 | .05284 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05347 | 21.111 | .36203 | .57883 | .42037 | 144.33 | 34.222 |
| SDev | .00033 | .017 | .00191 | .00348 | .00090 | .16 | .133 |
| %RSD | .61640 | .07861 | .52819 | .60202 | .21457 | .11307 | .38894 |
| #1 | .05324 | 21.123 | .36068 | .57637 | .42101 | 144.45 | 34.128 |
| #2 | .05370 | 21.099 | .36338 | .58130 | .41973 | 144.22 | 34.316 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.1723 | .97205 | .60684 | .04544 | 3.8445 | 1.9920 | 9.7770 |
| SDev | .0229 | .01832 | .00287 | .00079 | .3164 | .0086 | .0033 |
| %RSD | .54967 | 1.8850 | .47338 | 1.7413 | 8.2312 | .43146 | .03393 |
| #1 | 4.1561 | .95909 | .60481 | .04488 | 3.6207 | 1.9859 | 9.7793 |
| #2 | 4.1885 | .98500 | .60887 | .04600 | 4.0683 | 1.9981 | 9.7746 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .81154 | .78184 | .00546 | .22302 | .21464 | .51467 | .51969 |
| SDev | .00106 | .00493 | .00640 | .00486 | .00349 | .00715 | .00110 |
| %RSD | .13066 | .63070 | 117.30 | 2.1772 | 1.6275 | 1.3897 | .21090 |
| #1 | .81229 | .77836 | .00999 | .21959 | .21217 | .50961 | .51892 |
| #2 | .81079 | .78533 | .00093 | .22645 | .21711 | .51972 | .52047 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | 1.8168 | 1.8371 | .0973 | .3761 | 2.677 |
| SDev | .0051 | .0006 | .0008 | .0029 | .013 |
| %RSD | .28078 | .03043 | .8571 | .7733 | .4990 |
| #1 | 1.8132 | 1.8375 | .0979 | .3741 | 2.668 |
| #2 | 1.8204 | 1.8367 | .0967 | .3782 | 2.687 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6750 | -- | -- | -- | -- | -- | -- |
| SDev | 12.50177 | -- | -- | -- | -- | -- | -- |
| %RSD | .1851983 | -- | -- | -- | -- | -- | -- |
| #1 | 6759 | -- | -- | -- | -- | -- | -- |
| #2 | 6742 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 10:18:50 PM page 1

Method: QTESTNAK Sample Name: DNRC2 Operator: KT
Run Time: 11/01/00 22:12:58
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05176 | -.00041 | .00422 | 104.99 | .03093 | .91487 | .00363 |
| SDev | .00085 | .00120 | .00476 | .02 | .00073 | .00428 | .00005 |
| %RSD | 1.6356 | 295.72 | 112.57 | .01741 | 2.3575 | .46740 | 1.3659 |
| #1 | .05116 | .00044 | .00086 | 104.98 | .03144 | .91185 | .00367 |
| #2 | .05236 | -.00125 | .00759 | 105.00 | .03041 | .91790 | .00360 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00384 | 35.692 | .17991 | .06959 | .18240 | 164.33 | 41.590 |
| SDev | .00030 | .057 | .00016 | .00025 | .00032 | .03 | .096 |
| %RSD | 7.8197 | .16051 | .09174 | .36227 | .17401 | .02060 | .23099 |
| #1 | .00405 | 35.733 | .18003 | .06941 | .18217 | 164.36 | 41.522 |
| #2 | .00362 | 35.652 | .17979 | .06977 | .18262 | 164.31 | 41.658 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.8596 | .00927 | .12750 | -.00156 | 9.5877 | .00824 | 10.317 |
| SDev | .0150 | .00417 | .00049 | .00072 | .1824 | .00784 | .012 |
| %RSD | .38860 | 44.944 | .38339 | 46.285 | 1.9023 | 95.070 | .11555 |
| #1 | 3.8490 | .01222 | .12784 | -.00105 | 9.7166 | .01378 | 10.308 |
| #2 | 3.8702 | .00633 | .12715 | -.00208 | 9.4587 | .00270 | 10.325 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .32182 | .39834 | .00149 | .00710 | -.00153 | .04476 | .05525 |
| SDev | .00088 | .00168 | .00637 | .00565 | .00297 | .00133 | .00193 |
| %RSD | .27436 | .42126 | 426.55 | 79.563 | 194.52 | 2.9712 | 3.4989 |
| #1 | .32245 | .39716 | .00600 | .00310 | -.00363 | .04570 | .05389 |
| #2 | .32120 | .39953 | -.00301 | .01109 | .00057 | .04382 | .05662 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00751 | .00314 | .0588 | .4391 | 2.520 |
| SDev | .00499 | .00069 | .0004 | .0021 | .010 |
| %RSD | 66.446 | 22.004 | .7409 | .4719 | .3922 |
| #1 | -.00398 | .00265 | .0585 | .4377 | 2.513 |
| #2 | -.01103 | .00363 | .0591 | .4406 | 2.527 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6779 | -- | -- | -- | -- | -- | -- |
| SDev | 47.85677 | -- | -- | -- | -- | -- | -- |
| %RSD | .7059770 | -- | -- | -- | -- | -- | -- |
| #1 | 6813 | -- | -- | -- | -- | -- | -- |
| #2 | 6745 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 10:26:52 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 22:21:01
Comment:
Code: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49648 | .49302 | .49381 | 24.676 | .49068 | 2.0019 | 2.0173 |
| SDev | .00284 | .00411 | .00189 | .169 | .00169 | .0084 | .0057 |
| %RSD | .57183 | .83385 | .38325 | .68325 | .34432 | .41802 | .28341 |
| #1 | .49849 | .49593 | .49247 | 24.795 | .49188 | 2.0078 | 2.0213 |
| #2 | .49447 | .49011 | .49515 | 24.557 | .48949 | 1.9960 | 2.0133 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | .55000 | .55000 | 27.500 | .55000 | 2.2000 | 2.2000 |
| Low | .45000 | .45000 | .45000 | 22.500 | .45000 | 1.8000 | 1.8000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49969 | 100.90 | 2.0059 | 2.0009 | 1.9818 | 25.152 | 98.133 |
| SDev | .00167 | .30 | .0062 | .0057 | .0100 | .061 | .350 |
| %RSD | .33387 | .29280 | .31112 | .28675 | .50203 | .24230 | .35633 |
| #1 | .50087 | 101.11 | 2.0103 | 2.0050 | 1.9889 | 25.195 | 98.380 |
| #2 | .49851 | 100.69 | 2.0015 | 1.9969 | 1.9748 | 25.109 | 97.886 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | 110.00 | 2.2000 | 2.2000 | 2.2000 | 27.500 | 110.00 |
| Low | .45000 | 90.000 | 1.8000 | 1.8000 | 1.8000 | 22.500 | 90.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.0061 | 1.9856 | 2.0123 | .98840 | 51.205 | .98901 | 2.0034 |
| SDev | .0047 | .0386 | .0065 | .00450 | .353 | .00179 | .0071 |
| %RSD | .23589 | 1.9457 | .32082 | .45500 | .68915 | .18083 | .35258 |
| #1 | 2.0095 | 1.9583 | 2.0169 | .99158 | 51.454 | .99027 | 2.0084 |
| #2 | 2.0028 | 2.0129 | 2.0077 | .98522 | 50.955 | .98774 | 1.9984 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Pass |
| High | 2.2000 | 2.2000 | 2.2000 | 1.1000 | | 1.1000 | 2.2000 |
| Low | 1.8000 | 1.8000 | 1.8000 | .90000 | | .90000 | 1.8000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | 2.0054 | 2.0002 | 1.9850 | .49373 | .49396 | .49542 | .49701 |
| SDev | .0054 | .0061 | .0159 | .00124 | .00320 | .00416 | .00218 |
| %RSD | .27162 | .30420 | .80055 | .25143 | .64714 | .83987 | .43844 |
| #1 | 2.0093 | 2.0045 | 1.9962 | .49286 | .49170 | .49836 | .49855 |
| #2 | 2.0016 | 1.9959 | 1.9738 | .49461 | .49622 | .49248 | .49547 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 2.2000 | 2.2000 | 2.2000 | | | | |
| Low | 1.8000 | 1.8000 | 1.8000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | .49591 | .49158 | 1.965 | 2.010 | 2.106 |
| SDev | .00862 | .00186 | .003 | .007 | .005 |
| %RSD | 1.7385 | .37821 | .1653 | .3653 | .2469 |
| #1 | .50201 | .49289 | 1.967 | 2.015 | 2.102 |
| #2 | .48982 | .49026 | 1.962 | 2.005 | 2.109 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 2.200 | 2.200 | 2.200 |
| Low | | | 1.800 | 1.800 | 1.800 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6678 | -- | -- | -- | -- | -- | -- |
| SDev | 39.00412 | -- | -- | -- | -- | -- | -- |
| %RSD | .5840952 | -- | -- | -- | -- | -- | -- |
| #1 | 6650 | -- | -- | -- | -- | -- | -- |
| #2 | 6705 | -- | -- | -- | -- | -- | -- |

Analysis Report QC Standard 11/01/00 10:34:57 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/01/00 22:29:04
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00034 | -.00074 | .00090 | .00732 | -.00486 | -.00020 | -.00007 |
| SDev | .00169 | .00342 | .00003 | .00362 | .00008 | .00000 | .00007 |
| %RSD | 499.06 | 464.28 | 2.9661 | 49.484 | 1.6220 | .00000 | 108.55 |
| #1 | -.00154 | .00168 | .00088 | .00476 | -.00492 | -.00020 | -.00012 |
| #2 | .00086 | -.00315 | .00092 | .00989 | -.00481 | -.00020 | -.00002 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00034 | -.00141 | -.00022 | -.00084 | -.00109 | .01111 | .00191 |
| SDev | .00011 | .00043 | .00027 | .00000 | .00029 | .00175 | .00278 |
| %RSD | 31.300 | 30.334 | 127.28 | .38843 | 26.856 | 15.760 | 145.96 |
| #1 | -.00027 | -.00111 | -.00041 | -.00084 | -.00130 | .01235 | .00387 |
| #2 | -.00042 | -.00171 | -.00002 | -.00083 | -.00089 | .00987 | -.00006 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00010 | -.00001 | .00049 | -.00017 | .14485 | .00469 | .00072 |
| SDev | .00000 | .00207 | .00070 | .00078 | .23887 | .00002 | .00032 |
| %RSD | .81162 | 13879. | 143.84 | 451.27 | 164.91 | .50332 | 44.735 |
| #1 | -.00010 | .00145 | .00098 | -.00072 | -.02406 | .00471 | .00094 |
| #2 | -.00010 | -.00148 | -.00001 | .00038 | .31375 | .00468 | .00049 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | -.00024 | -.00065 | .00460 | .00137 | -.00003 | -.00221 | .00059 |
| SDev | .00032 | .00042 | .00214 | .00141 | .00275 | .00227 | .00367 |
| %RSD | 135.91 | 65.171 | 46.471 | 103.22 | 7874.0 | 103.03 | 620.00 |
| #1 | -.00046 | -.00095 | .00309 | .00037 | .00191 | -.00060 | -.00201 |
| #2 | -.00001 | -.00035 | .00611 | .00237 | -.00198 | -.00381 | .00319 |
| Errors | QC Pass | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value | .00000 | .00000 | .00000 | | | | |
| Range | .05000 | .02000 | .10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | .00397 | -.00309 | .0014 | .0001 | .0007 |
| SDev | .00743 | .00142 | .0000 | .0001 | .0015 |
| %RSD | 187.09 | 45.955 | 1.305 | 141.4 | 221.9 |
| #1 | .00922 | -.00208 | .0014 | .0000 | .0017 |
| #2 | -.00128 | -.00409 | .0014 | .0002 | <.0000 |
| Errors | NOCHECK | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value | | | .0000 | .0000 | .0000 |
| Range | | | .2000 | .0500 | .5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6784 | -- | -- | -- | -- | -- | -- |
| SDev | 28.68029 | -- | -- | -- | -- | -- | -- |
| %RSD | .4227538 | -- | -- | -- | -- | -- | -- |
| #1 | 6764 | -- | -- | -- | -- | -- | -- |
| #2 | 6804 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 10:40:52 PM 

Method: QTESTNAK Sample Name: DNRC7 Operator: KT
Run Time: 11/01/00 22:35:00
Comment:
de: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04578 | -.00242 | .00632 | 156.02 | .03219 | 1.4729 | .00553 |
| SDev | .00057 | .00113 | .00604 | .30 | .00534 | .0023 | .00009 |
| %RSD | 1.2356 | 46.625 | 95.637 | .19325 | 16.584 | .15798 | 1.5811 |
| #1 | .04538 | -.00322 | .00204 | 156.23 | .02842 | 1.4713 | .00560 |
| #2 | .04618 | -.00162 | .01059 | 155.81 | .03597 | 1.4746 | .00547 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00455 | 41.830 | .24775 | .10632 | .17226 | 215.79 | 62.173 |
| SDev | .00015 | .023 | .00047 | .00092 | .00003 | .38 | .026 |
| %RSD | 3.2216 | .05572 | .19153 | .86215 | .01856 | .17405 | .04153 |
| #1 | .00466 | 41.846 | .24742 | .10567 | .17224 | 216.05 | 62.191 |
| #2 | .00445 | 41.813 | .24809 | .10697 | .17228 | 215.52 | 62.154 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| igh | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| ow | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.0252 | .00928 | .17053 | -.00224 | 14.396 | .00594 | 12.189 |
| SDev | .0057 | .00310 | .00024 | .00034 | .195 | .00153 | .038 |
| %RSD | .14091 | 33.396 | .14258 | 15.166 | 1.3530 | 25.753 | .30901 |
| #1 | 4.0212 | .01148 | .17071 | -.00248 | 14.258 | .00486 | 12.216 |
| #2 | 4.0292 | .00709 | .17036 | -.00200 | 14.533 | .00702 | 12.163 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .40057 | .47093 | .00341 | .00787 | .00321 | .03051 | .05341 |
| SDev | .00002 | .00032 | .00859 | .00887 | .00037 | .00179 | .00005 |
| %RSD | .00551 | .06706 | 252.06 | 112.73 | 11.648 | 5.8681 | .08583 |
| #1 | .40056 | .47071 | -.00267 | .00160 | .00294 | .02925 | .05344 |
| #2 | .40059 | .47116 | .00948 | .01414 | .00347 | .03178 | .05337 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| igh | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01143 | .00208 | .0558 | .6448 | 2.650 |
| SDev | .00476 | .00407 | .0014 | .0013 | .011 |
| %RSD | 41.637 | 195.76 | 2.419 | .2057 | .4204 |
| #1 | -.00806 | -.00080 | .0568 | .6439 | 2.658 |
| #2 | -.01479 | .00495 | .0549 | .6458 | 2.642 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6712 | -- | -- | -- | -- | -- | -- |
| SDev | 37.13726 | -- | -- | -- | -- | -- | -- |
| %RSD | .5532751 | -- | -- | -- | -- | -- | -- |
| #1 | 6686 | -- | -- | -- | -- | -- | -- |
| #2 | 6739 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 10:53:04 PM 

Method: QTESTNAK Sample Name: DNRDL Operator: KT
Run Time: 11/01/00 22:47:12
Comment:
de: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .06375 | .00036 | .00778 | 151.99 | .03164 | 1.1741 | .00473 |
| SDev | .00165 | .00188 | .00429 | .06 | .00047 | .0081 | .00000 |
| %RSD | 2.5851 | 523.48 | 55.095 | .03931 | 1.4870 | .69258 | .03021 |
| #1 | .06491 | -.00097 | .00475 | 151.95 | .03131 | 1.1684 | .00473 |
| #2 | .06258 | .00169 | .01081 | 152.03 | .03198 | 1.1799 | .00473 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00402 | 44.809 | .24024 | .09404 | .21588 | 214.67 | 71.748 |
| SDev | .00050 | .083 | .00127 | .00042 | .00130 | .22 | .378 |
| %RSD | 12.514 | .18538 | .52654 | .44531 | .60219 | .10456 | .52651 |
| #1 | .00366 | 44.868 | .23934 | .09374 | .21680 | 214.83 | 71.480 |
| #2 | .00438 | 44.750 | .24113 | .09433 | .21496 | 214.51 | 72.015 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| gh | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| ow | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.9542 | .00761 | .18861 | -.00213 | 3.7420 | .00768 | 12.398 |
| SDev | .0178 | .00317 | .00136 | .00033 | .1330 | .00134 | .009 |
| %RSD | .60391 | 41.642 | .71921 | 15.497 | 3.5555 | 17.426 | .07098 |
| #1 | 2.9416 | .00985 | .18957 | -.00189 | 3.8361 | .00673 | 12.391 |
| #2 | 2.9669 | .00537 | .18765 | -.00236 | 3.6480 | .00862 | 12.404 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .32342 | .50857 | .00504 | .00823 | .00688 | .05395 | .06864 |
| SDev | .00089 | .00151 | .00216 | .00805 | .00325 | .00556 | .00031 |
| %RSD | .27355 | .29711 | 42.853 | 97.828 | 47.220 | 10.307 | .44513 |
| #1 | .32404 | .50750 | .00657 | .00254 | .00918 | .05788 | .06842 |
| #2 | .32279 | .50963 | .00352 | .01392 | .00458 | .05002 | .06886 |
| rors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| gh | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00776 | .00441 | .0474 | .5016 | 3.340 |
| SDev | .00538 | .00551 | .0010 | .0042 | .032 |
| %RSD | 69.337 | 124.88 | 2.142 | .8343 | .9481 |
| #1 | -.00395 | .00052 | .0481 | .4986 | 3.318 |
| #2 | -.01156 | .00831 | .0467 | .5045 | 3.363 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6671 | -- | -- | -- | -- | -- | -- |
| SDev | 2.064697 | -- | -- | -- | -- | -- | -- |
| %RSD | .0309515 | -- | -- | -- | -- | -- | -- |
| #1 | 6672 | -- | -- | -- | -- | -- | -- |
| #2 | 6669 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 11:01:06 PM 

Method: QTESTNAK Sample Name: DNRDN Operator: KT
Run Time: 11/01/00 22:55:15
Comment:
de: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04991 | L-.00952 | .00380 | 170.03 | .05553 | 1.6109 | .00546 |
| SDev | .00065 | .00149 | .00112 | .05 | .00004 | .0011 | .00005 |
| %RSD | 1.3013 | 15.686 | 29.504 | .02954 | .07546 | .06617 | .91333 |
| #1 | .04945 | L-.01058 | .00459 | 170.07 | .05556 | 1.6102 | .00543 |
| #2 | .05037 | L-.00847 | .00301 | 170.00 | .05550 | 1.6117 | .00550 |
| Errors | LC Pass | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00571 | 251.05 | .26624 | .08884 | .20284 | 231.28 | 77.204 |
| SDev | .00012 | .32 | .00069 | .00051 | .00049 | .22 | .170 |
| %RSD | 2.1719 | .12569 | .25852 | .56910 | .24219 | .09616 | .22074 |
| #1 | .00562 | 251.27 | .26673 | .08920 | .20319 | 231.44 | 77.324 |
| #2 | .00580 | 250.82 | .26575 | .08848 | .20250 | 231.13 | 77.083 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| igh | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.6291 | .00843 | .16748 | -.00218 | 31.004 | .00848 | 13.525 |
| SDev | .0019 | .00420 | .00175 | .00038 | .201 | .01305 | .007 |
| %RSD | .05304 | 49.835 | 1.0444 | 17.693 | .64841 | 153.86 | .04890 |
| #1 | 3.6305 | .01140 | .16871 | -.00190 | 31.146 | .01770 | 13.520 |
| #2 | 3.6277 | .00546 | .16624 | -.00245 | 30.861 | -.00075 | 13.529 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .46005 | .47911 | .00256 | .00349 | .00441 | .03905 | .05532 |
| SDev | .00006 | .00112 | .00878 | .00047 | .00242 | .00048 | .00073 |
| %RSD | .01416 | .23298 | 343.24 | 13.571 | 54.792 | 1.2223 | 1.3292 |
| #1 | .46000 | .47990 | .00877 | .00383 | .00612 | .03872 | .05480 |
| #2 | .46010 | .47832 | -.00365 | .00316 | .00270 | .03939 | .05584 |
| rrors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| igh | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01906 | -.00476 | .0604 | 2.162 | 2.462 |
| Dev | .00665 | .00556 | .0003 | .002 | .008 |
| %RSD | 34.892 | 116.84 | .4227 | .0742 | .3148 |
| #1 | -.01436 | -.00869 | .0606 | 2.160 | 2.467 |
| #2 | -.02376 | -.00083 | .0603 | 2.163 | 2.456 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6606 | -- | -- | -- | -- | -- | -- |
| SDev | 26.64391 | -- | -- | -- | -- | -- | -- |
| %RSD | .4033216 | -- | -- | -- | -- | -- | -- |
| #1 | 6587 | -- | -- | -- | -- | -- | -- |
| #2 | 6625 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 11:07:02 PM 

Method: QTESTNAK Sample Name: DNRDP Operator: KT
Run Time: 11/01/00 23:01:10
Comment:
de: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05429 | L-.00529 | .00629 | 215.97 | .05717 | 1.0929 | .00611 |
| SDev | .00222 | .00598 | .00206 | .06 | .00464 | .0017 | .00004 |
| %RSD | 4.0992 | 113.13 | 32.721 | .02919 | 8.1186 | .15907 | .60649 |
| #1 | .05271 | L-.00951 | .00484 | 216.02 | .05389 | 1.0941 | .00614 |
| #2 | .05586 | -.00106 | .00775 | 215.93 | .06046 | 1.0916 | .00609 |
| Errors | LC Pass | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00619 | 15.706 | .31415 | .08641 | .18483 | 277.72 | 74.664 |
| SDev | .00019 | .029 | .00025 | .00024 | .00012 | .33 | .223 |
| %RSD | 3.1042 | .18208 | .08044 | .28076 | .06543 | .11758 | .29804 |
| #1 | .00633 | 15.726 | .31432 | .08624 | .18492 | 277.95 | 74.821 |
| #2 | .00605 | 15.686 | .31397 | .08658 | .18475 | 277.49 | 74.507 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.5001 | .01093 | .18918 | -.00182 | 26.793 | .00090 | 13.387 |
| SDev | .0036 | .00518 | .00187 | .00031 | .109 | .00440 | .003 |
| %RSD | .14451 | 47.428 | .98843 | 17.007 | .40556 | 488.38 | .02110 |
| #1 | 2.5027 | .01459 | .19051 | -.00160 | 26.870 | -.00221 | 13.385 |
| #2 | 2.4976 | .00726 | .18786 | -.00204 | 26.716 | .00402 | 13.389 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .51682 | .54547 | .00068 | .00710 | .00468 | .03655 | .06314 |
| SDev | .00063 | .00237 | .00443 | .00433 | .00249 | .00193 | .00430 |
| %RSD | .12137 | .43409 | 650.37 | 60.990 | 53.167 | 5.2841 | 6.8111 |
| #1 | .51726 | .54715 | .00381 | .00404 | .00644 | .03792 | .06010 |
| #2 | .51637 | .54380 | -.00245 | .01016 | .00292 | .03519 | .06618 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01661 | .00037 | .0882 | .3953 | 2.242 |
| SDev | .00384 | .01088 | .0014 | .0004 | .015 |
| %RSD | 23.093 | 2961.5 | 1.532 | .1137 | .6504 |
| #1 | -.01390 | -.00733 | .0872 | .3956 | 2.252 |
| #2 | -.01932 | .00806 | .0891 | .3950 | 2.231 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6624 | -- | -- | -- | -- | -- | -- |
| SDev | 52.86314 | -- | -- | -- | -- | -- | -- |
| %RSD | .7980185 | -- | -- | -- | -- | -- | -- |
| #1 | 6587 | -- | -- | -- | -- | -- | -- |
| #2 | 6662 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 11:12:58 PM page 1

Method: QTESTNAK Sample Name: DNRDQ Operator: KT
Run Time: 11/01/00 23:07:06
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .03440 | -.00460 | .00719 | 134.58 | .05367 | .81350 | .00371 |
| SDev | .00077 | .00205 | .00034 | .13 | .00056 | .00383 | .00001 |
| %RSD | 2.2441 | 44.643 | 4.8033 | .09678 | 1.0449 | .47035 | .24420 |
| #1 | .03385 | L-.00605 | .00694 | 134.49 | .05407 | .81080 | .00372 |
| #2 | .03494 | -.00315 | .00743 | 134.68 | .05328 | .81621 | .00371 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00432 | 31.876 | .20899 | .07932 | .24395 | 213.32 | 64.345 |
| SDev | .00012 | .020 | .00047 | .00112 | .00035 | .12 | .188 |
| %RSD | 2.8473 | .06180 | .22703 | 1.4122 | .14387 | .05606 | .29202 |
| #1 | .00423 | 31.862 | .20865 | .07853 | .24420 | 213.24 | 64.213 |
| #2 | .00440 | 31.890 | .20932 | .08011 | .24370 | 213.41 | 64.478 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.0145 | .00592 | .18901 | -.00183 | 26.808 | .00252 | 11.063 |
| SDev | .0121 | .00112 | .00134 | .00027 | .189 | .00877 | .013 |
| %RSD | .40010 | 18.976 | .70674 | 14.815 | .70404 | 347.86 | .11308 |
| #1 | 3.0060 | .00513 | .18807 | -.00203 | 26.674 | .00872 | 11.055 |
| #2 | 3.0231 | .00672 | .18995 | -.00164 | 26.941 | -.00368 | 11.072 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .33552 | .47748 | .00119 | .01065 | .00024 | .02281 | .04018 |
| SDev | .00016 | .00137 | .00432 | .00123 | .00143 | .00324 | .00046 |
| %RSD | .04907 | .28767 | 363.98 | 11.573 | 584.72 | 14.180 | 1.1389 |
| #1 | .33541 | .47651 | -.00187 | .00978 | .00126 | .02052 | .04050 |
| #2 | .33564 | .47845 | .00424 | .01152 | -.00077 | .02510 | .03986 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.02017 | .00317 | .0433 | .2926 | 2.800 |
| SDev | .00436 | .00526 | .0029 | .0015 | .021 |
| %RSD | 21.644 | 166.03 | 6.739 | .5018 | .7359 |
| #1 | -.01708 | -.00055 | .0412 | .2916 | 2.785 |
| #2 | -.02325 | .00689 | .0453 | .2937 | 2.814 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6639 | -- | -- | -- | -- | -- | -- |
| SDev | 27.91656 | -- | -- | -- | -- | -- | -- |
| %RSD | .4205024 | -- | -- | -- | -- | -- | -- |
| #1 | 6619 | -- | -- | -- | -- | -- | -- |
| #2 | 6659 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 11:21:01 PM page 1

Method: QTESTNAK Sample Name: DNRDW Operator: KT
Run Time: 11/01/00 23:15:09
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04963 | -.00009 | .00420 | 184.26 | .05552 | 1.1058 | .00552 |
| SDev | .00213 | .00061 | .00098 | .02 | .00097 | .0015 | .00003 |
| %RSD | 4.2865 | 704.60 | 23.449 | .01058 | 1.7543 | .13995 | .50118 |
| #1 | .04813 | -.00052 | .00350 | 184.25 | .05621 | 1.1047 | .00550 |
| #2 | .05114 | .00034 | .00490 | 184.27 | .05483 | 1.1069 | .00554 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00492 | 19.352 | .28192 | .10086 | .15910 | 238.98 | 66.430 |
| SDev | .00011 | .027 | .00016 | .00110 | .00014 | .30 | .062 |
| %RSD | 2.1330 | .14119 | .05534 | 1.0941 | .08984 | .12393 | .09386 |
| #1 | .00499 | 19.333 | .28181 | .10008 | .15920 | 238.78 | 66.385 |
| #2 | .00485 | 19.371 | .28203 | .10164 | .15900 | 239.19 | 66.474 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.8971 | .01300 | .16565 | -.00111 | 21.326 | .00632 | 13.329 |
| SDev | .0058 | .00093 | .00015 | .00018 | .081 | .00528 | .013 |
| %RSD | .19853 | 7.1539 | .08808 | 16.344 | .38041 | 83.459 | .09412 |
| #1 | 2.8930 | .01366 | .16575 | -.00098 | 21.268 | .00259 | 13.321 |
| #2 | 2.9012 | .01234 | .16555 | -.00124 | 21.383 | .01006 | 13.338 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .47890 | .49446 | .00217 | .00545 | .00170 | .03573 | .05657 |
| SDev | .00008 | .00014 | .00880 | .00120 | .00056 | .00117 | .00261 |
| %RSD | .01639 | .02922 | 404.89 | 21.978 | 32.893 | 3.2743 | 4.6057 |
| #1 | .47896 | .49456 | .00839 | .00460 | .00130 | .03490 | .05473 |
| #2 | .47885 | .49435 | -.00405 | .00630 | .00209 | .03656 | .05841 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00638 | .00306 | .0754 | .3772 | 2.116 |
| SDev | .00510 | .00164 | .0018 | .0005 | .009 |
| %RSD | 79.875 | 53.488 | 2.351 | .1294 | .4114 |
| #1 | -.00999 | .00422 | .0767 | .3769 | 2.109 |
| #2 | -.00278 | .00190 | .0742 | .3776 | 2.122 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6648 | -- | -- | -- | -- | -- | -- |
| SDev | 62.64938 | -- | -- | -- | -- | -- | -- |
| %RSD | .9423256 | -- | -- | -- | -- | -- | -- |
| #1 | 6604 | -- | -- | -- | -- | -- | -- |
| #2 | 6693 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 11:29:04 PM page 1

Method: QTESTNAK Sample Name: DNRD0 Operator: KT
Run Time: 11/01/00 23:23:13
mment:
de: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05310 | -.00292 | .01012 | 160.90 | .04689 | 1.4251 | .00480 |
| SDev | .00030 | .00005 | .00012 | .13 | .00135 | .0052 | .00000 |
| %RSD | .55951 | 1.8509 | 1.1946 | .07811 | 2.8706 | .36459 | .08981 |
| #1 | .05331 | -.00296 | .01004 | 160.99 | .04785 | 1.4214 | .00480 |
| #2 | .05289 | -.00288 | .01021 | 160.81 | .04594 | 1.4288 | .00479 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00557 | 41.682 | .24374 | .09588 | .22900 | 239.63 | 72.891 |
| SDev | .00015 | .056 | .00085 | .00027 | .00071 | .64 | .079 |
| %RSD | 2.6307 | .13467 | .34923 | .27964 | .31078 | .26540 | .10873 |
| #1 | .00568 | 41.722 | .24313 | .09569 | .22951 | 240.08 | 72.835 |
| #2 | .00547 | 41.643 | .24434 | .09607 | .22850 | 239.18 | 72.947 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| igh | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.9145 | .01178 | .19744 | -.00217 | 21.329 | .00268 | 13.850 |
| SDev | .0156 | .00314 | .00065 | .00051 | .084 | .00533 | .030 |
| %RSD | .26385 | 26.696 | .33029 | 23.667 | .39448 | 198.58 | .21926 |
| #1 | 5.9035 | .01400 | .19790 | -.00181 | 21.388 | -.00108 | 13.871 |
| #2 | 5.9256 | .00956 | .19697 | -.00253 | 21.269 | .00645 | 13.828 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .42507 | .68570 | .00365 | .01656 | -.00278 | .03935 | .05996 |
| SDev | .00129 | .00112 | .00212 | .00003 | .00043 | .00060 | .00015 |
| %RSD | .30297 | .16352 | 58.238 | .21214 | 15.596 | 1.5314 | .24108 |
| #1 | .42598 | .68491 | .00515 | .01659 | -.00309 | .03978 | .06006 |
| #2 | .42416 | .68650 | .00214 | .01654 | -.00247 | .03892 | .05986 |
| rrors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01988 | .00554 | .0862 | .5253 | 2.566 |
| SDev | .00304 | .00160 | .0022 | .0018 | .007 |
| %RSD | 15.286 | 28.821 | 2.516 | .3505 | .2585 |
| #1 | -.01773 | .00441 | .0878 | .5240 | 2.561 |
| #2 | -.02202 | .00667 | .0847 | .5266 | 2.571 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6769 | -- | -- | -- | -- | -- | -- |
| SDev | 10.38045 | -- | -- | -- | -- | -- | -- |
| %RSD | .1533424 | -- | -- | -- | -- | -- | -- |
| #1 | 6762 | -- | -- | -- | -- | -- | -- |
| #2 | 6777 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 11:37:08 PM page 1

Method: QTESTNAK Sample Name: DNRD4 Operator: KT
Run Time: 11/01/00 23:31:16
mment:
..de: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .04932 | .00070 | .00421 | 160.46 | .04835 | 1.3041 | .00543 |
| SDev | .00036 | .00254 | .00201 | .34 | .00517 | .0016 | .00003 |
| %RSD | .73905 | 362.11 | 47.709 | .21393 | 10.684 | .12430 | .59536 |
| #1 | .04958 | .00250 | .00279 | 160.70 | .04470 | 1.3029 | .00545 |
| #2 | .04907 | -.00109 | .00564 | 160.21 | .05200 | 1.3052 | .00541 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00512 | 22.731 | .25215 | .10271 | .22388 | 223.78 | 58.822 |
| SDev | .00019 | .028 | .00009 | .00002 | .00018 | .15 | .115 |
| %RSD | 3.6231 | .12322 | .03605 | .02209 | .08278 | .06691 | .19490 |
| #1 | .00499 | 22.751 | .25208 | .10269 | .22401 | 223.89 | 58.903 |
| #2 | .00525 | 22.711 | .25221 | .10272 | .22375 | 223.68 | 58.741 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.3799 | .01748 | .16737 | -.00133 | 26.959 | .00443 | 14.016 |
| SDev | .0008 | .00309 | .00103 | .00021 | .139 | .00470 | .014 |
| %RSD | .01784 | 17.687 | .61531 | 15.710 | .51673 | 106.02 | .10015 |
| #1 | 4.3793 | .01966 | .16809 | -.00148 | 27.057 | .00111 | 14.006 |
| #2 | 4.3804 | .01529 | .16664 | -.00118 | 26.860 | .00775 | 14.025 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .45040 | .54459 | -.00204 | .00582 | .00101 | .03802 | .05497 |
| SDev | .00028 | .00078 | .00639 | .00308 | .00012 | .00090 | .00010 |
| %RSD | .06234 | .14410 | 313.08 | 52.865 | 12.026 | 2.3552 | .18091 |
| #1 | .45060 | .54514 | -.00656 | .00364 | .00109 | .03866 | .05504 |
| #2 | .45020 | .54403 | .00248 | .00799 | .00092 | .03739 | .05490 |
| :rors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00712 | .00461 | .0490 | .3947 | 2.411 |
| SDev | .00028 | .00366 | .0004 | .0007 | .007 |
| %RSD | 3.9649 | 79.553 | .8705 | .1871 | .2848 |
| #1 | -.00692 | .00720 | .0493 | .3942 | 2.416 |
| #2 | -.00732 | .00202 | .0487 | .3953 | 2.406 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6750 | -- | -- | -- | -- | -- | -- |
| SDev | 55.46542 | -- | -- | -- | -- | -- | -- |
| %RSD | .8217561 | -- | -- | -- | -- | -- | -- |
| #1 | 6710 | -- | -- | -- | -- | -- | -- |
| #2 | 6789 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 11:45:11 PM 

Method: QTESTNAK Sample Name: DNRD6 Operator: KT
Run Time: 11/01/00 23:39:19
mment:
ode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05688 | -.00256 | .00383 | 190.30 | .02267 | .69237 | .00485 |
| SDev | .00222 | .00105 | .00158 | .32 | .00177 | .00380 | .00001 |
| %RSD | 3.9054 | 40.918 | 41.087 | .16862 | 7.8266 | .54944 | .12183 |
| #1 | .05531 | -.00182 | .00272 | 190.53 | .02141 | .68968 | .00485 |
| #2 | .05845 | -.00330 | .00495 | 190.07 | .02392 | .69506 | .00485 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00374 | 28.441 | .21134 | .07490 | .13297 | 174.33 | 51.223 |
| SDev | .00008 | .057 | .00060 | .00025 | .00059 | .29 | .172 |
| %RSD | 2.2392 | .20138 | .28225 | .33271 | .44113 | .16826 | .33528 |
| #1 | .00380 | 28.481 | .21092 | .07472 | .13339 | 174.54 | 51.102 |
| #2 | .00368 | 28.400 | .21176 | .07508 | .13256 | 174.12 | 51.345 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.9997 | .01169 | .15319 | -.00197 | 9.6121 | .00195 | 11.607 |
| SDev | .0210 | .00421 | .00044 | .00020 | .0576 | .00405 | .012 |
| %RSD | .52418 | 36.068 | .28933 | 10.079 | .59911 | 207.94 | .09947 |
| #1 | 3.9849 | .01467 | .15287 | -.00211 | 9.6529 | -.00092 | 11.615 |
| #2 | 4.0146 | .00871 | .15350 | -.00183 | 9.5714 | .00482 | 11.598 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .28795 | .47729 | .00578 | .00632 | -.00115 | .03819 | .06621 |
| SDev | .00015 | .00222 | .00217 | .00100 | .00273 | .00055 | .00361 |
| %RSD | .05307 | .46564 | 37.569 | 15.781 | 236.68 | 1.4449 | 5.4462 |
| #1 | .28784 | .47572 | .00731 | .00562 | -.00309 | .03858 | .06366 |
| #2 | .28805 | .47886 | .00424 | .00703 | .00078 | .03780 | .06876 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01899 | .00564 | .0540 | .3043 | 2.727 |
| SDev | .00800 | .00242 | .0020 | .0019 | .013 |
| %RSD | 42.138 | 42.970 | 3.640 | .6129 | .4679 |
| #1 | -.01333 | .00393 | .0526 | .3030 | 2.718 |
| #2 | -.02465 | .00735 | .0554 | .3056 | 2.736 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6666 | -- | -- | -- | -- | -- | -- |
| SDev | 11.48358 | -- | -- | -- | -- | -- | -- |
| %RSD | .1722616 | -- | -- | -- | -- | -- | -- |
| #1 | 6658 | -- | -- | -- | -- | -- | -- |
| #2 | 6674 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/01/00 11:53:14 PM page 1

Method: QTESTNAK Sample Name: DNREK Operator: KT
Run Time: 11/01/00 23:47:22
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .06696 | -.00306 | .00731 | 190.52 | .06651 | 1.2407 | .00626 |
| SDev | .00226 | .00345 | .00002 | .16 | .00089 | .0006 | .00009 |
| %RSD | 3.3767 | 112.54 | .30300 | .08470 | 1.3444 | .04521 | 1.4773 |
| #1 | .06856 | -.00063 | .00729 | 190.41 | .06587 | 1.2411 | .00619 |
| #2 | .06536 | L-.00550 | .00732 | 190.64 | .06714 | 1.2403 | .00632 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00578 | 39.037 | .29454 | .14592 | .36690 | 273.85 | 68.308 |
| SDev | .00020 | .017 | .00050 | .00059 | .00001 | .06 | .141 |
| %RSD | 3.4224 | .04449 | .16925 | .40581 | .00185 | .02131 | .20691 |
| #1 | .00564 | 39.025 | .29489 | .14551 | .36689 | 273.81 | 68.408 |
| #2 | .00592 | 39.049 | .29418 | .14634 | .36690 | 273.89 | 68.208 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.2116 | .01527 | .22764 | -.00306 | 27.545 | .01066 | 14.500 |
| SDev | .0038 | .00507 | .00078 | .00035 | .265 | .00568 | .018 |
| %RSD | .07222 | 33.195 | .34154 | 11.358 | .96233 | 53.329 | .12740 |
| #1 | 5.2142 | .01885 | .22709 | -.00330 | 27.358 | .01468 | 14.487 |
| #2 | 5.2089 | .01168 | .22819 | -.00281 | 27.732 | .00664 | 14.513 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .54928 | .59711 | .00509 | .00875 | .00442 | .04849 | .07618 |
| SDev | .00167 | .00029 | .00202 | .00181 | .00370 | .00489 | .00583 |
| %RSD | .30421 | .04814 | 39.714 | 20.725 | 83.642 | 10.082 | 7.6537 |
| #1 | .54810 | .59731 | .00366 | .01003 | .00181 | .04504 | .08031 |
| #2 | .55046 | .59690 | .00653 | .00747 | .00704 | .05195 | .07206 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| vge | -.01482 | .00280 | .0574 | .4402 | 2.362 |
| SDev | .00766 | .00900 | .0025 | .0000 | .006 |
| %RSD | 51.706 | 320.90 | 4.301 | .0067 | .2549 |
| #1 | -.02024 | .00917 | .0591 | .4402 | 2.357 |
| #2 | -.00940 | -.00356 | .0556 | .4402 | 2.366 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6780 | -- | -- | -- | -- | -- | -- |
| SDev | 49.29964 | -- | -- | -- | -- | -- | -- |
| %RSD | .7271226 | -- | -- | -- | -- | -- | -- |
| #1 | 6745 | -- | -- | -- | -- | -- | -- |
| #2 | 6815 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/02/00 00:01:17 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 23:55:25
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49830 | .49535 | .50079 | 24.724 | .49269 | 2.0172 | 2.0187 |
| SDev | .00003 | .00080 | .00172 | .004 | .00059 | .0033 | .0003 |
| %RSD | .00644 | .16191 | .34291 | .01779 | .12000 | .16184 | .01681 |
| #1 | .49832 | .49479 | .49958 | 24.728 | .49311 | 2.0149 | 2.0185 |
| #2 | .49827 | .49592 | .50201 | 24.721 | .49227 | 2.0195 | 2.0190 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | .55000 | .55000 | 27.500 | .55000 | 2.2000 | 2.2000 |
| Low | .45000 | .45000 | .45000 | 22.500 | .45000 | 1.8000 | 1.8000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50108 | 100.75 | 2.0134 | 2.0088 | 1.9908 | 25.207 | 98.404 |
| SDev | .00289 | .01 | .0029 | .0020 | .0001 | .057 | .065 |
| %RSD | .57591 | .00640 | .14179 | .09846 | .00712 | .22501 | .06620 |
| #1 | .49904 | 100.75 | 2.0114 | 2.0074 | 1.9909 | 25.167 | 98.358 |
| #2 | .50312 | 100.76 | 2.0155 | 2.0102 | 1.9907 | 25.247 | 98.450 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | 110.00 | 2.2000 | 2.2000 | 2.2000 | 27.500 | 110.00 |
| Low | .45000 | 90.000 | 1.8000 | 1.8000 | 1.8000 | 22.500 | 90.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.0143 | 1.9889 | 2.0132 | .99126 | 51.394 | .99552 | 2.0110 |
| SDev | .0026 | .0469 | .0002 | .00014 | .156 | .00716 | .0046 |
| %RSD | .13124 | 2.3563 | .00945 | .01428 | .30371 | .71949 | .22770 |
| #1 | 2.0124 | 1.9557 | 2.0134 | .99136 | 51.504 | .99046 | 2.0077 |
| #2 | 2.0161 | 2.0220 | 2.0131 | .99116 | 51.283 | 1.0006 | 2.0142 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Pass |
| High | 2.2000 | 2.2000 | 2.2000 | 1.1000 | | 1.1000 | 2.2000 |
| Low | 1.8000 | 1.8000 | 1.8000 | .90000 | | .90000 | 1.8000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | 2.0121 | 2.0070 | 1.9746 | .50352 | .49533 | .49743 | .49873 |
| SDev | .0036 | .0020 | .0006 | .00523 | .00532 | .00245 | .00118 |
| %RSD | .17862 | .10066 | .03178 | 1.0387 | 1.0737 | .49280 | .23575 |
| #1 | 2.0096 | 2.0056 | 1.9751 | .49982 | .49909 | .49917 | .49790 |
| #2 | 2.0146 | 2.0084 | 1.9742 | .50721 | .49157 | .49570 | .49956 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 2.2000 | 2.2000 | 2.2000 | | | | |
| Low | 1.8000 | 1.8000 | 1.8000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| \vge | .49550 | .49528 | 1.977 | 2.018 | 2.114 |
| SDev | .00053 | .00147 | .008 | .002 | .016 |
| %RSD | .10652 | .29598 | .3937 | .1123 | .7737 |
| #1 | .49587 | .49424 | 1.972 | 2.016 | 2.102 |
| #2 | .49513 | .49632 | 1.983 | 2.019 | 2.125 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 2.200 | 2.200 | 2.200 |
| Low | | | 1.800 | 1.800 | 1.800 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6635 | -- | -- | -- | -- | -- | -- |
| SDev | 5.232521 | -- | -- | -- | -- | -- | -- |
| %RSD | .0788650 | -- | -- | -- | -- | -- | -- |
| #1 | 6638 | -- | -- | -- | -- | -- | -- |
| #2 | 6631 | -- | -- | -- | -- | -- | -- |

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/02/00 00:03:29
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00082 | -.00404 | .00365 | -.01058 | -.00532 | -.00020 | -.00013 |
| SDev | .00010 | .00074 | .00223 | .00400 | .00400 | .00000 | .00000 |
| %RSD | 11.634 | 18.341 | 61.121 | 37.802 | 75.239 | .00000 | 1.8456 |
| #1 | -.00075 | -.00352 | .00208 | -.00775 | -.00815 | -.00020 | -.00013 |
| #2 | -.00089 | -.00456 | .00523 | -.01341 | -.00249 | -.00020 | -.00013 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00023 | .00520 | -.00052 | -.00056 | -.00077 | .01361 | .00290 |
| SDev | .00002 | .00813 | .00006 | .00040 | .00001 | .01214 | .00415 |
| %RSD | 9.2803 | 156.40 | 10.715 | 70.437 | 1.5263 | 89.245 | 143.24 |
| #1 | -.00021 | .01095 | -.00056 | -.00028 | -.00076 | .02220 | -.00004 |
| #2 | -.00024 | -.00055 | -.00048 | -.00084 | -.00077 | .00502 | .00583 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00010 | -.00074 | -.00025 | .00023 | .11721 | .00755 | .00071 |
| SDev | .00000 | .00104 | .00035 | .00007 | .32405 | .00381 | .00033 |
| %RSD | .21584 | 139.99 | 139.91 | 28.108 | 276.47 | 50.420 | 46.749 |
| #1 | -.00010 | -.00147 | -.00050 | .00019 | -.11193 | .00486 | .00047 |
| #2 | -.00010 | -.00001 | -.00000 | .00028 | .34635 | Q.01025 | .00094 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | -.00023 | -.00093 | .00003 | .00484 | .00128 | -.00101 | -.00073 |
| SDev | .00033 | .00000 | .00001 | .00358 | .00046 | .00131 | .00051 |
| %RSD | 139.25 | .33425 | 24.878 | 73.869 | 35.629 | 129.25 | 70.122 |
| #1 | -.00000 | -.00093 | .00002 | .00231 | .00160 | -.00009 | -.00109 |
| #2 | -.00047 | -.00093 | .00003 | .00737 | .00096 | -.00194 | -.00037 |
| Errors | QC Pass | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value | .00000 | .00000 | .00000 | | | | |
| Range | .05000 | .02000 | .10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00464 | -.00374 | .0007 | .0000 | .0024 |
| SDev | .00269 | .00245 | .0010 | .0000 | .0032 |
| %RSD | 57.951 | 65.502 | 144.5 | .0000 | 133.1 |
| #1 | -.00654 | -.00201 | .0014 | .0000 | .0047 |
| #2 | -.00274 | -.00548 | <.0000 | .0000 | .0001 |
| Errors | NOCHECK | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value | | | .0000 | .0000 | .0000 |
| Range | | | .2000 | .0500 | .5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6722 | -- | -- | -- | -- | -- | -- |
| SDev | 7.354186 | -- | -- | -- | -- | -- | -- |
| %RSD | .1094080 | -- | -- | -- | -- | -- | -- |
| #1 | 6717 | -- | -- | -- | -- | -- | -- |
| #2 | 6727 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/02/00 00:15:17 AM page 1

Method: QTESTNAK Sample Name: DN0TG Operator: KT
Run Time: 11/02/00 00:09:25
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .10575 | -.00439 | .00573 | 230.56 | .04330 | 2.4454 | .00681 |
| SDev | .00098 | .00030 | .00629 | .12 | .00345 | .0088 | .00000 |
| %RSD | .92663 | 6.7774 | 109.79 | .05294 | 7.9773 | .35910 | .00707 |
| #1 | .10506 | -.00460 | .00128 | 230.47 | .04086 | 2.4516 | .00681 |
| #2 | .10645 | -.00418 | .01017 | 230.64 | .04575 | 2.4392 | .00681 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00963 | 138.43 | .27885 | .12396 | .25874 | 266.21 | 74.390 |
| SDev | .00034 | .17 | .00112 | .00109 | .00128 | .10 | .434 |
| %RSD | 3.4914 | .12222 | .40359 | .87977 | .49589 | .03733 | .58300 |
| #1 | .00986 | 138.55 | .27965 | .12473 | .25783 | 266.28 | 74.696 |
| #2 | .00939 | 138.31 | .27806 | .12319 | .25965 | 266.14 | 74.083 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.5466 | .01370 | .19669 | -.00222 | 7.6349 | .00189 | 12.112 |
| SDev | .0265 | .00402 | .00024 | .00049 | .0635 | .00387 | .018 |
| %RSD | .47865 | 29.354 | .12474 | 21.932 | .83105 | 204.39 | .15057 |
| #1 | 5.5653 | .01654 | .19686 | -.00256 | 7.6798 | .00463 | 12.099 |
| #2 | 5.5278 | .01085 | .19651 | -.00188 | 7.5901 | -.00084 | 12.125 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .51943 | .67585 | .00247 | .00654 | .00410 | .08923 | .11401 |
| SDev | .00044 | .00365 | .00631 | .00782 | .00321 | .00027 | .00133 |
| %RSD | .08386 | .54026 | 254.85 | 119.66 | 78.295 | .30349 | 1.1701 |
| #1 | .51912 | .67843 | -.00198 | .00101 | .00183 | .08904 | .11306 |
| #2 | .51974 | .67326 | .00693 | .01207 | .00637 | .08942 | .11495 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00872 | -.00223 | .0607 | .8835 | 4.680 |
| SDev | .00332 | .00211 | .0008 | .0031 | .010 |
| %RSD | 38.138 | 94.341 | 1.247 | .3540 | .2141 |
| #1 | -.00637 | -.00372 | .0612 | .8857 | 4.673 |
| #2 | -.01107 | -.00074 | .0601 | .8813 | 4.688 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6736 | -- | -- | -- | -- | -- | -- |
| SDev | 80.18584 | -- | -- | -- | -- | -- | -- |
| %RSD | 1.190411 | -- | -- | -- | -- | -- | -- |
| #1 | 6679 | -- | -- | -- | -- | -- | -- |
| #2 | 6793 | -- | -- | -- | -- | -- | -- |

Method: QTESTNAK Sample Name: DN0TK Operator: KT
Run Time: 11/02/00 00:17:28
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05391 | -.00252 | .00454 | 146.96 | .05532 | 1.5191 | .00440 |
| SDev | .00309 | .00075 | .00308 | 1.92 | .00533 | .0134 | .00017 |
| %RSD | 5.7259 | 29.721 | 67.744 | 1.3093 | 9.6354 | .88174 | 3.7813 |
| #1 | .05609 | -.00305 | .00672 | 148.32 | .05909 | 1.5286 | .00452 |
| #2 | .05173 | -.00199 | .00237 | 145.60 | .05155 | 1.5097 | .00428 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00582 | 104.13 | .22566 | .09070 | .27669 | 217.45 | 75.909 |
| SDev | .00011 | 1.52 | .00336 | .00118 | .00513 | 3.09 | .925 |
| %RSD | 1.8361 | 1.4583 | 1.4908 | 1.2954 | 1.8536 | 1.4215 | 1.2180 |
| #1 | .00575 | 105.20 | .22804 | .09153 | .28032 | 219.64 | 76.563 |
| #2 | .00590 | 103.05 | .22328 | .08987 | .27307 | 215.27 | 75.255 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 3.7176 | .02425 | .17563 | -.00117 | 34.282 | .00468 | 11.891 |
| SDev | .0366 | .00564 | .00337 | .00050 | .752 | .01333 | .159 |
| %RSD | .98450 | 23.244 | 1.9170 | 43.074 | 2.1930 | 285.13 | 1.3395 |
| #1 | 3.7435 | .02824 | .17801 | -.00081 | 34.813 | .01410 | 12.004 |
| #2 | 3.6917 | .02026 | .17325 | -.00152 | 33.750 | -.00475 | 11.778 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .42893 | .52298 | .00686 | .00391 | .00581 | .04284 | .05944 |
| SDev | .00526 | .00550 | .00437 | .00234 | .00456 | .00788 | .00069 |
| %RSD | 1.2269 | 1.0520 | 63.675 | 59.777 | 78.484 | 18.398 | 1.1668 |
| #1 | .43265 | .52687 | .00994 | .00556 | .00903 | .04841 | .05993 |
| #2 | .42521 | .51909 | .00377 | .00226 | .00259 | .03726 | .05895 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00825 | .00034 | .0441 | .7315 | 3.956 |
| SDev | .00644 | .00434 | .0015 | .0062 | .030 |
| %RSD | 78.131 | 1284.3 | 3.321 | .8526 | .7463 |
| #1 | -.00369 | -.00273 | .0431 | .7359 | 3.977 |
| #2 | -.01280 | .00341 | .0451 | .7271 | 3.935 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6623 | -- | -- | -- | -- | -- | -- |
| SDev | 86.40824 | -- | -- | -- | -- | -- | -- |
| %RSD | 1.304642 | -- | -- | -- | -- | -- | -- |
| #1 | 6562 | -- | -- | -- | -- | -- | -- |
| #2 | 6684 | -- | -- | -- | -- | -- | -- |

Method: QTESTNAK Sample Name: DNWH4B-0300522 Operator: KT
Run Time: 11/02/00 00:27:36
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00117 | -.00061 | .00492 | .01143 | -.00042 | .00019 | -.00003 |
| SDev | .00105 | .00166 | .00166 | .00073 | .00424 | .00055 | .00000 |
| %RSD | 90.116 | 273.75 | 33.639 | 6.3885 | 1004.1 | 284.90 | .75495 |
| #1 | -.00191 | .00057 | .00609 | .01195 | .00258 | .00058 | -.00003 |
| #2 | -.00042 | -.00178 | .00375 | .01091 | -.00342 | -.00020 | -.00003 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00040 | .01059 | .00174 | -.00084 | -.00007 | .02709 | .00775 |
| SDev | .00023 | .00001 | .00034 | .00000 | .00034 | .00000 | .00002 |
| %RSD | 58.255 | .11673 | 19.388 | .01153 | 448.85 | .01468 | .21358 |
| #1 | -.00057 | .01058 | .00150 | -.00084 | .00016 | .02709 | .00776 |
| #2 | -.00024 | .01060 | .00198 | -.00084 | -.00031 | .02709 | .00774 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00029 | -.00074 | .00049 | .00014 | .41386 | .00285 | .00140 |
| SDev | .00000 | .00104 | .00070 | .00045 | .07109 | .00147 | .00000 |
| %RSD | .02198 | 139.92 | 142.42 | 316.13 | 17.176 | 51.704 | .00887 |
| #1 | .00029 | -.00001 | .00099 | -.00018 | .36360 | .00389 | .00140 |
| #2 | .00029 | -.00147 | -.00000 | .00046 | .46413 | .00181 | .00140 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | -.00001 | .00150 | .00611 | .00724 | .00029 | -.00019 | -.00165 |
| SDev | .00000 | .00000 | .00429 | .00430 | .00364 | .00235 | .00040 |
| %RSD | 8.9131 | .28227 | 70.224 | 59.463 | 1259.6 | 1225.7 | 24.464 |
| #1 | -.00001 | .00150 | .00308 | .01028 | -.00229 | -.00185 | -.00194 |
| #2 | -.00001 | .00150 | .00914 | .00419 | .00287 | .00147 | -.00137 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .05000 | .02000 | .10000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00020 | -.00081 | <.0000 | .0001 | .0305 |
| SDev | .00266 | .00382 | .0000 | .0001 | .0010 |
| %RSD | 1329.1 | 470.72 | 1.539 | 141.4 | 3.422 |
| #1 | -.00208 | .00189 | <.0000 | .0000 | .0297 |
| #2 | .00168 | -.00351 | <.0000 | .0002 | .0312 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | .2000 | .0500 | .5000 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6738 | -- | -- | -- | -- | -- | -- |
| SDev | .7354187 | -- | -- | -- | -- | -- | -- |
| %RSD | .0109140 | -- | -- | -- | -- | -- | -- |
| #1 | 6739 | -- | -- | -- | -- | -- | -- |
| #2 | 6738 | -- | -- | -- | -- | -- | -- |

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Method: QTESTNAK Sample Name: DNWH4C Operator: KT
Run Time: 11/02/00 00:33:31
mment:
ode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49925 | 1.8960 | .49406 | 1.9552 | 1.9225 | 2.0580 | .05016 |
| SDev | .00999 | .0422 | .01300 | .0529 | .0418 | .0481 | .00100 |
| %RSD | 2.0015 | 2.2249 | 2.6319 | 2.7044 | 2.1745 | 2.3374 | 2.0024 |
| #1 | .49218 | 1.8662 | .48486 | 1.9178 | 1.8929 | 2.0239 | .04945 |
| #2 | .50631 | 1.9258 | .50325 | 1.9926 | 1.9521 | 2.0920 | .05087 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .60000 | 2.4000 | .60000 | 2.4000 | 2.4000 | 2.4000 | .06000 |
| Low | .40000 | 1.4000 | .35000 | 1.6000 | 1.5000 | 1.6000 | .04000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05232 | L.01327 | .21509 | .53215 | .25691 | H1.3017 | L.01625 |
| SDev | .00084 | .00193 | .00459 | .01291 | .00584 | .0319 | .00210 |
| %RSD | 1.6026 | 14.519 | 2.1340 | 2.4267 | 2.2722 | 2.4472 | 12.917 |
| #1 | .05173 | L.01191 | .21185 | .52302 | .25278 | H1.2792 | L.01477 |
| #2 | .05292 | L.01463 | .21834 | .54128 | .26104 | H1.3243 | L.01774 |
| Errors | LC Pass | LC Low | LC Pass | LC Pass | LC Pass | LC High | LC Low |
| High | .06000 | 60.000 | .24000 | .60000 | .30000 | 1.2500 | 60.000 |
| Low | .04000 | 40.000 | .16000 | .40000 | .20000 | .80000 | 40.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .52547 | 1.0023 | .52650 | .04629 | .49656 | 2.0172 | L.00182 |
| SDev | .01189 | .0369 | .01273 | .00002 | .11889 | .0549 | .00000 |
| %RSD | 2.2621 | 3.6864 | 2.4186 | .05245 | 23.942 | 2.7217 | .05525 |
| #1 | .51707 | .97617 | .51750 | .04627 | .58062 | 1.9783 | L.00182 |
| #2 | .53388 | 1.0284 | .53551 | .04630 | .41249 | 2.0560 | L.00182 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Low |
| High | .60000 | 1.2000 | .60000 | .06000 | | 2.4000 | 1.2000 |
| Low | .40000 | .80000 | .40000 | .04000 | | 1.6000 | .80000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .51036 | .50083 | .00766 | .49206 | .49805 | .50142 | .49816 |
| SDev | .01153 | .01102 | .00663 | .01058 | .01786 | .01363 | .00817 |
| %RSD | 2.2595 | 2.1996 | 86.573 | 2.1496 | 3.5863 | 2.7188 | 1.6410 |
| #1 | .50221 | .49304 | .00297 | .48458 | .48542 | .49178 | .49238 |
| #2 | .51851 | .50862 | .01235 | .49954 | .51068 | .51106 | .50395 |
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | .60000 | .60000 | | | | | |
| Low | .40000 | .40000 | | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | 1.8981 | 1.8950 | L.0112 | L.0001 | .1434 |
| SDev | .0459 | .0403 | .0013 | .0001 | .0037 |
| %RSD | 2.4179 | 2.1283 | 11.47 | 141.4 | 2.565 |
| #1 | 1.8656 | 1.8664 | L.0103 | L.0002 | .1408 |
| #2 | 1.9305 | 1.9235 | L.0121 | L.0000 | .1460 |
| Errors | NOCHECK | NOCHECK | LC Low | LC Low | NOCHECK |
| High | | | 1.200 | 1.200 | |
| Low | | | .8000 | .8000 | |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6565 | -- | -- | -- | -- | -- | -- |
| SDev | 109.3754 | -- | -- | -- | -- | -- | -- |
| %RSD | 1.666043 | -- | -- | -- | -- | -- | -- |
| #1 | 6642 | -- | -- | -- | -- | -- | -- |
| #2 | 6488 | -- | -- | -- | -- | -- | -- |

Method: QTESTNAK Sample Name: DNPXX Operator: KT
Run Time: 11/02/00 00:41:35
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .06418 | -.00342 | .00699 | 302.32 | .04025 | 2.4262 | .00868 |
| SDev | .00004 | .00100 | .00393 | .05 | .00219 | .0014 | .00003 |
| %RSD | .06598 | 29.246 | 56.243 | .01583 | 5.4457 | .05813 | .30058 |
| #1 | .06421 | -.00271 | .00421 | 302.29 | .04180 | 2.4272 | .00870 |
| #2 | .06415 | -.00413 | .00977 | 302.35 | .03870 | 2.4252 | .00866 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00820 | 35.997 | .31627 | .11346 | .18116 | 317.10 | 68.252 |
| SDev | .00012 | .004 | .00006 | .00052 | .00063 | .10 | .045 |
| %RSD | 1.4525 | .01094 | .01812 | .45604 | .35022 | .03002 | .06554 |
| #1 | .00811 | 36.000 | .31623 | .11382 | .18161 | 317.04 | 68.283 |
| #2 | .00828 | 35.995 | .31631 | .11309 | .18072 | 317.17 | 68.220 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.8863 | .00995 | .23202 | -.00289 | 8.9454 | .01573 | 10.373 |
| SDev | .0029 | .00494 | .00116 | .00020 | .1349 | .00017 | .008 |
| %RSD | .05906 | 49.664 | .50130 | 6.9423 | 1.5076 | 1.0739 | .08191 |
| #1 | 4.8883 | .01345 | .23285 | -.00303 | 9.0408 | .01585 | 10.367 |
| #2 | 4.8842 | .00646 | .23120 | -.00274 | 8.8500 | .01561 | 10.379 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .59499 | .58047 | .00622 | .00876 | .00344 | .03892 | .07679 |
| SDev | .00003 | .00136 | .00630 | .00671 | .00164 | .00114 | .00063 |
| %RSD | .00450 | .23392 | 101.25 | 76.630 | 47.807 | 2.9218 | .82206 |
| #1 | .59497 | .58143 | .01067 | .00401 | .00460 | .03812 | .07723 |
| #2 | .59501 | .57951 | .00177 | .01350 | .00228 | .03973 | .07634 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00603 | -.00212 | .0461 | .5288 | 1.226 |
| SDev | .00252 | .00024 | .0018 | .0004 | .005 |
| %RSD | 41.843 | 11.329 | 3.919 | .0836 | .3858 |
| #1 | -.00425 | -.00195 | .0448 | .5291 | 1.229 |
| #2 | -.00782 | -.00229 | .0474 | .5285 | 1.223 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6954 | -- | -- | -- | -- | -- | -- |
| SDev | 24.63549 | -- | -- | -- | -- | -- | -- |
| %RSD | .3542768 | -- | -- | -- | -- | -- | -- |
| #1 | 6936 | -- | -- | -- | -- | -- | -- |
| #2 | 6971 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/02/00 00:55:29 AM page 1

Method: QTESTNAK Sample Name: DNPXXP Operator: KT
Run Time: 11/02/00 00:49:38
Comment:
Mode: CONC Corr. Factor: 5

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | L.06339 | L-.01460 | L.00440 | 305.11 | L.02178 | 2.4994 | .00882 |
| SDev | .00728 | .01334 | .00036 | .54 | .01041 | .0049 | .00033 |
| %RSD | 11.489 | 91.354 | 8.2486 | .17765 | 47.795 | .19469 | 3.6998 |
| #1 | L.06854 | L-.00517 | L.00414 | 305.49 | L.01442 | 2.5028 | .00905 |
| #2 | L.05824 | L-.02404 | L.00465 | 304.72 | L.02914 | 2.4959 | .00859 |
| Errors | LC Low | LC Low | LC Low | LC Pass | LC Low | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 5.5000 |
| Low | .07500 | .17000 | .10000 | .63000 | .24500 | .01000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | L.00752 | 37.723 | .33387 | .11662 | .18102 | 331.06 | 69.901 |
| SDev | .00067 | .058 | .00045 | .00144 | .00081 | .42 | .285 |
| %RSD | 8.9474 | .15246 | .13474 | 1.2332 | .44878 | .12783 | .40787 |
| #1 | L.00800 | 37.764 | .33355 | .11561 | .18160 | 331.36 | 70.103 |
| #2 | L.00704 | 37.682 | .33418 | .11764 | .18045 | 330.76 | 69.699 |
| Errors | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 550.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | .01500 | .38500 | .02000 | .03500 | .04000 | .66500 | .19000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.1015 | L.01146 | .24540 | L.00138 | 14.580 | L.00748 | 10.762 |
| SDev | .0066 | .01032 | .00085 | .00128 | .379 | .02397 | .002 |
| %RSD | .12900 | 90.053 | .34836 | 93.174 | 2.5968 | 320.44 | .02063 |
| #1 | 5.1061 | L.01876 | .24480 | L.00228 | 14.848 | L-.00947 | 10.760 |
| #2 | 5.0968 | L.00416 | .24601 | L.00047 | 14.312 | L.02443 | 10.763 |
| Errors | LC Pass | LC Low | LC Pass | LC Low | NOCHECK | LC Low | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | | 22.000 | 55.000 |
| Low | .01000 | .10500 | .05500 | .03000 | | .23500 | .01500 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .60724 | .62178 | L.02153 | .00433 | .00454 | .03007 | .08003 |
| SDev | .00262 | .00022 | .01069 | .00744 | .01382 | .01546 | .00320 |
| %RSD | .43186 | .03582 | 49.664 | 172.01 | 304.64 | 51.427 | 3.9974 |
| #1 | .60539 | .62193 | L.02909 | -.00094 | .01431 | .04100 | .08229 |
| #2 | .60910 | .62162 | L.01397 | .00959 | -.00524 | .01913 | .07776 |
| Errors | LC Pass | LC Pass | LC Low | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | .02000 | .03500 | .46000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| rge | -.02448 | -.00967 | L.0430 | .5489 | 1.264 |
| SDev | .04375 | .00184 | .0002 | .0012 | .012 |
| %RSD | 178.73 | 19.039 | .4801 | .2247 | .9182 |
| #1 | .00646 | -.01098 | L.0432 | .5498 | 1.272 |
| #2 | -.05541 | -.00837 | L.0429 | .5480 | 1.255 |
| Errors | NOCHECK | NOCHECK | LC Low | LC Pass | LC Pass |
| High | | | 55.00 | 5.500 | 55.00 |
| Low | | | .0550 | .0050 | .2400 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6765 | -- | -- | -- | -- | -- | -- |
| SDev | 24.26778 | -- | -- | -- | -- | -- | -- |
| %RSD | .3587404 | -- | -- | -- | -- | -- | -- |
| #1 | 6748 | -- | -- | -- | -- | -- | -- |
| #2 | 6782 | -- | -- | -- | -- | -- | -- |

Method: QTESTNAK Sample Name: DNPXXS Operator: KT
Run Time: 11/02/00 00:55:33
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .52614 | 1.7308 | .12993 | 342.14 | 1.7664 | 3.9199 | .05624 |
| SDev | .00201 | .0115 | .00333 | .43 | .0006 | .0119 | .00012 |
| %RSD | .38307 | .66189 | 2.5667 | .12667 | .03301 | .30436 | .21852 |
| #1 | .52471 | 1.7227 | .12757 | 342.45 | 1.7660 | 3.9115 | .05632 |
| #2 | .52756 | 1.7389 | .13228 | 341.84 | 1.7668 | 3.9284 | .05615 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05691 | 37.558 | .52522 | .60094 | .44057 | 331.18 | 71.262 |
| SDev | .00017 | .018 | .00175 | .00086 | .00149 | .26 | .092 |
| %RSD | .29821 | .04696 | .33297 | .14282 | .33726 | .07963 | .12918 |
| #1 | .05679 | 37.571 | .52398 | .60033 | .44162 | 331.37 | 71.197 |
| #2 | .05703 | 37.546 | .52646 | .60154 | .43952 | 331.00 | 71.327 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.8466 | .83407 | .72649 | .04010 | 9.7127 | 1.8974 | 12.293 |
| SDev | .0162 | .00216 | .00127 | .00017 | .1946 | .0192 | .001 |
| %RSD | .27642 | .25873 | .17516 | .43169 | 2.0037 | 1.0136 | .00989 |
| #1 | 5.8352 | .83254 | .72559 | .04022 | 9.8504 | 1.8838 | 12.292 |
| #2 | 5.8580 | .83560 | .72739 | .03997 | 9.5751 | 1.9110 | 12.294 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | 1.1040 | 1.0689 | .00937 | .13028 | .12921 | .49963 | .53937 |
| SDev | .0019 | .0026 | .00421 | .00731 | .00463 | .00079 | .00341 |
| %RSD | .16887 | .24552 | 44.952 | 5.6131 | 3.5859 | .15742 | .63302 |
| #1 | 1.1053 | 1.0670 | .00639 | .12511 | .13249 | .50019 | .53696 |
| #2 | 1.1027 | 1.0707 | .01235 | .13546 | .12593 | .49908 | .54178 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | 1.7273 | 1.7325 | .0618 | .5212 | 1.502 |
| SDev | .0060 | .0142 | .0011 | .0018 | .004 |
| %RSD | .34559 | .81932 | 1.742 | .3370 | .2863 |
| #1 | 1.7230 | 1.7225 | .0626 | .5200 | 1.499 |
| #2 | 1.7315 | 1.7426 | .0610 | .5225 | 1.505 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6844 | -- | -- | -- | -- | -- | -- |
| SDev | 7.495401 | -- | -- | -- | -- | -- | -- |
| %RSD | .1095111 | -- | -- | -- | -- | -- | -- |
| #1 | 6839 | -- | -- | -- | -- | -- | -- |
| #2 | 6850 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/02/00 01:09:28 AM 

Method: QTESTNAK Sample Name: DNPXXD Operator: KT
Run Time: 11/02/00 01:03:36
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .53524 | 1.7716 | .13428 | 312.41 | 1.7891 | 3.1080 | .05678 |
| SDev | .00286 | .0097 | .00544 | .21 | .0063 | .0046 | .00001 |
| %RSD | .53464 | .54760 | 4.0510 | .06756 | .35372 | .14686 | .01511 |
| #1 | .53322 | 1.7647 | .13043 | 312.56 | 1.7846 | 3.1112 | .05679 |
| #2 | .53727 | 1.7785 | .13812 | 312.26 | 1.7936 | 3.1047 | .05678 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .05696 | 35.445 | .50865 | .61079 | .43100 | 314.12 | 67.854 |
| SDev | .00001 | .040 | .00025 | .00061 | .00037 | .41 | .004 |
| %RSD | .00957 | .11354 | .04967 | .09990 | .08540 | .13034 | .00552 |
| #1 | .05696 | 35.417 | .50847 | .61122 | .43126 | 313.83 | 67.851 |
| #2 | .05696 | 35.474 | .50883 | .61036 | .43074 | 314.41 | 67.856 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 5.5430 | .85063 | .72024 | .04130 | 9.0439 | 1.9385 | 10.483 |
| SDev | .0025 | .01151 | .00111 | .00015 | .0238 | .0004 | .003 |
| %RSD | .04596 | 1.3528 | .15472 | .37358 | .26303 | .01946 | .03077 |
| #1 | 5.5412 | .84249 | .71945 | .04120 | 9.0270 | 1.9382 | 10.485 |
| #2 | 5.5448 | .85877 | .72103 | .04141 | 9.0607 | 1.9387 | 10.481 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | 1.0659 | 1.0470 | .00620 | .13184 | .13916 | .51594 | .54488 |
| SDev | .0001 | .0018 | .00197 | .01096 | .00562 | .00153 | .00505 |
| %RSD | .00550 | .16909 | 31.807 | 8.3152 | 4.0408 | .29704 | .92781 |
| #1 | 1.0659 | 1.0483 | .00481 | .12409 | .14314 | .51702 | .54131 |
| #2 | 1.0659 | 1.0458 | .00759 | .13959 | .13518 | .51485 | .54846 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | 1.7836 | 1.7656 | .0549 | .4434 | 1.221 |
| SDev | .0064 | .0177 | .0004 | .0005 | .004 |
| %RSD | .35644 | 1.0035 | .7355 | .1135 | .3505 |
| #1 | 1.7881 | 1.7531 | .0551 | .4438 | 1.224 |
| #2 | 1.7791 | 1.7782 | .0546 | .4431 | 1.217 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6908 | -- | -- | -- | -- | -- | -- |
| SDev | 48.25313 | -- | -- | -- | -- | -- | -- |
| %RSD | .6984705 | -- | -- | -- | -- | -- | -- |
| #1 | 6874 | -- | -- | -- | -- | -- | -- |
| #2 | 6943 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/02/00 01:17:32 AM 

Method: QTESTNAK Sample Name: DNP03 Operator: KT
Run Time: 11/02/00 01:11:40
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .06258 | -.00412 | .00448 | 288.55 | .03485 | 2.3063 | .00827 |
| SDev | .00124 | .00291 | .00188 | .51 | .00034 | .0096 | .00008 |
| %RSD | 1.9800 | 70.577 | 41.877 | .17511 | .97424 | .41732 | .93242 |
| #1 | .06170 | -.00206 | .00581 | 288.91 | .03461 | 2.3131 | .00832 |
| #2 | .06346 | L-.00618 | .00315 | 288.19 | .03509 | 2.2995 | .00821 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00784 | 36.129 | .30367 | .11133 | .18555 | 304.70 | 62.909 |
| SDev | .00006 | .049 | .00148 | .00088 | .00005 | .15 | .283 |
| %RSD | .69550 | .13564 | .48605 | .79243 | .02580 | .04821 | .45015 |
| #1 | .00788 | 36.164 | .30472 | .11071 | .18559 | 304.80 | 63.109 |
| #2 | .00780 | 36.095 | .30263 | .11196 | .18552 | 304.59 | 62.709 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.5953 | .01163 | .21177 | -.00275 | 9.4546 | .01178 | 10.224 |
| SDev | .0168 | .00698 | .00211 | .00020 | .0076 | .00238 | .007 |
| %RSD | .36622 | 60.026 | .99685 | 7.1047 | .07996 | 20.197 | .06468 |
| #1 | 4.6072 | .01656 | .21326 | -.00289 | 9.4599 | .01010 | 10.229 |
| #2 | 4.5834 | .00669 | .21027 | -.00261 | 9.4492 | .01346 | 10.219 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .57042 | .54539 | .00232 | .00643 | .00057 | .03742 | .07514 |
| SDev | .00072 | .00280 | .00001 | .00421 | .00280 | .00400 | .00014 |
| %RSD | .12633 | .51339 | .42277 | 65.465 | 487.77 | 10.685 | .18439 |
| #1 | .56991 | .54737 | .00233 | .00941 | -.00141 | .03459 | .07524 |
| #2 | .57093 | .54341 | .00231 | .00345 | .00255 | .04025 | .07504 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.00680 | -.00278 | .0430 | .5461 | 1.532 |
| SDev | .00773 | .00822 | .0019 | .0022 | .012 |
| %RSD | 113.70 | 295.47 | 4.363 | .4078 | .7952 |
| #1 | -.01227 | .00303 | .0417 | .5477 | 1.540 |
| #2 | -.00133 | -.00859 | .0444 | .5446 | 1.523 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6988 | -- | -- | -- | -- | -- | -- |
| SDev | 13.91599 | -- | -- | -- | -- | -- | -- |
| %RSD | .1991275 | -- | -- | -- | -- | -- | -- |
| #1 | 6979 | -- | -- | -- | -- | -- | -- |
| #2 | 6998 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/02/00 01:25:36 AM page 1

Method: QTESTNAK Sample Name: DNP1E Operator: KT
Run Time: 11/02/00 01:19:44
mment:
de: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .06667 | L-.00743 | .00253 | 328.23 | .03837 | 2.1847 | .00869 |
| SDev | .00319 | .00732 | .00170 | .11 | .00166 | .0027 | .00004 |
| %RSD | 4.7900 | 98.600 | 67.063 | .03272 | 4.3161 | .12555 | .42060 |
| #1 | .06441 | -.00225 | .00133 | 328.15 | .03954 | 2.1828 | .00872 |
| #2 | .06892 | L-.01261 | .00373 | 328.30 | .03720 | 2.1866 | .00866 |
| Errors | LC Pass | LC Low | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 55.000 | 11.000 | 5.5000 | 550.00 | 11.000 | 11.000 | 11.000 |
| Low | -.00500 | -.00500 | -.06000 | -.20000 | -.01000 | -.02000 | -.00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .00839 | 38.505 | .33820 | .11358 | .20302 | 336.32 | 84.959 |
| SDev | .00000 | .054 | .00009 | .00096 | .00123 | .43 | .063 |
| %RSD | .02742 | .14133 | .02504 | .84901 | .60645 | .12795 | .07457 |
| #1 | .00839 | 38.543 | .33814 | .11426 | .20389 | 336.63 | 85.004 |
| #2 | .00838 | 38.466 | .33826 | .11290 | .20215 | 336.02 | 84.915 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| gh | 11.000 | 770.00 | 55.000 | 110.00 | 55.000 | 1100.0 | 1100.0 |
| Low | -.00500 | -5.0000 | -.01000 | -.05000 | -.02500 | -.10000 | -5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 4.6119 | .01356 | .25317 | -.00253 | 11.722 | .00740 | 12.182 |
| SDev | .0033 | .00705 | .00090 | .00032 | .107 | .00673 | .011 |
| %RSD | .07116 | 51.979 | .35447 | 12.629 | .90951 | 90.938 | .09217 |
| #1 | 4.6096 | .01854 | .25254 | -.00231 | 11.646 | .01216 | 12.190 |
| #2 | 4.6142 | .00858 | .25381 | -.00276 | 11.797 | .00264 | 12.174 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | 27.500 | 27.500 | 110.00 | 2.2000 | 5000.0 | 22.000 | 55.000 |
| Low | -.01500 | -.04000 | -.04000 | -.01000 | -5.0000 | -.01000 | -.05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | .62940 | .63813 | .01321 | .00493 | -.00228 | .03961 | .08017 |
| SDev | .00014 | .00043 | .00605 | .00309 | .00109 | .00201 | .00579 |
| %RSD | .02150 | .06786 | 45.792 | 62.682 | 48.054 | 5.0723 | 7.2230 |
| #1 | .62931 | .63843 | .01749 | .00274 | -.00150 | .04104 | .07608 |
| #2 | .62950 | .63782 | .00893 | .00711 | -.00305 | .03819 | .08427 |
| rrors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| igh | 110.00 | 5.5000 | 55.000 | | | | |
| Low | -.05000 | -.02000 | -.10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | -.01149 | -.00540 | .0585 | .5512 | 1.356 |
| SDev | .01149 | .00524 | .0008 | .0008 | .006 |
| %RSD | 100.00 | 97.112 | 1.297 | .1489 | .4499 |
| #1 | -.00337 | -.00169 | .0590 | .5507 | 1.361 |
| #2 | -.01962 | -.00911 | .0580 | .5518 | 1.352 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 110.0 | 5.500 | 55.00 |
| Low | | | -.2000 | -.0500 | -.5000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 7051 | -- | -- | -- | -- | -- | -- |
| SDev | 24.94657 | -- | -- | -- | -- | -- | -- |
| %RSD | .3537779 | -- | -- | -- | -- | -- | -- |
| #1 | 7069 | -- | -- | -- | -- | -- | -- |
| #2 | 7034 | -- | -- | -- | -- | -- | -- |

Analysis Report 11/02/00 01:31:32 AM 

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/02/00 01:25:39
nment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .49730 | .49887 | .49723 | 24.758 | .49145 | 2.0213 | 2.0168 |
| SDev | .00268 | .00819 | .00773 | .035 | .00928 | .0038 | .0000 |
| %RSD | .53983 | 1.6419 | 1.5545 | .14049 | 1.8875 | .18876 | .00167 |
| #1 | .49540 | .49308 | .49176 | 24.783 | .49801 | 2.0240 | 2.0168 |
| #2 | .49920 | .50467 | .50269 | 24.734 | .48489 | 2.0186 | 2.0169 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | .55000 | .55000 | 27.500 | .55000 | 2.2000 | 2.2000 |
| Low | .45000 | .45000 | .45000 | 22.500 | .45000 | 1.8000 | 1.8000 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | .50218 | 100.62 | 2.0183 | 2.0161 | 1.9922 | 25.211 | 98.647 |
| SDev | .00013 | .02 | .0009 | .0015 | .0051 | .018 | .086 |
| %RSD | .02622 | .02227 | .04552 | .07275 | .25695 | .06965 | .08739 |
| #1 | .50208 | 100.63 | 2.0177 | 2.0151 | 1.9958 | 25.199 | 98.586 |
| #2 | .50227 | 100.60 | 2.0190 | 2.0172 | 1.9885 | 25.223 | 98.708 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High | .55000 | 110.00 | 2.2000 | 2.2000 | 2.2000 | 27.500 | 110.00 |
| Low | .45000 | 90.000 | 1.8000 | 1.8000 | 1.8000 | 22.500 | 90.000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | 2.0190 | 1.9971 | 2.0202 | .99073 | 51.311 | .99061 | 2.0028 |
| SDev | .0010 | .0386 | .0008 | .00285 | .224 | .00138 | .0027 |
| %RSD | .04912 | 1.9352 | .03964 | .28750 | .43743 | .13954 | .13404 |
| #1 | 2.0183 | 1.9698 | 2.0197 | .99274 | 51.470 | .98964 | 2.0047 |
| #2 | 2.0197 | 2.0245 | 2.0208 | .98871 | 51.152 | .99159 | 2.0009 |
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK | LC Pass | LC Pass |
| High | 2.2000 | 2.2000 | 2.2000 | 1.1000 | | 1.1000 | 2.2000 |
| Low | 1.8000 | 1.8000 | 1.8000 | .90000 | | .90000 | 1.8000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | 2.0058 | 2.0137 | 1.9873 | .49375 | .50420 | .50398 | .49396 |
| SDev | .0018 | .0002 | .0101 | .01204 | .00091 | .00136 | .00335 |
| %RSD | .08835 | .00974 | .50719 | 2.4394 | .18128 | .26955 | .67751 |
| #1 | 2.0071 | 2.0139 | 1.9801 | .48524 | .50484 | .50302 | .49160 |
| #2 | 2.0045 | 2.0136 | 1.9944 | .50227 | .50355 | .50494 | .49633 |
| Errors | LC Pass | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High | 2.2000 | 2.2000 | 2.2000 | | | | |
| Low | 1.8000 | 1.8000 | 1.8000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| Avge | .50754 | .49455 | 1.972 | 2.018 | 2.125 |
| SDev | .00166 | .01311 | .005 | .003 | .019 |
| %RSD | .32622 | 2.6502 | .2460 | .1602 | .9075 |
| #1 | .50871 | .48528 | 1.968 | 2.020 | 2.111 |
| #2 | .50636 | .50382 | 1.975 | 2.016 | 2.139 |
| Errors | NOCHECK | NOCHECK | LC Pass | LC Pass | LC Pass |
| High | | | 2.200 | 2.200 | 2.200 |
| Low | | | 1.800 | 1.800 | 1.800 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6644 | -- | -- | -- | -- | -- | -- |
| SDev | 46.41459 | -- | -- | -- | -- | -- | -- |
| %RSD | .6985919 | -- | -- | -- | -- | -- | -- |
| #1 | 6611 | -- | -- | -- | -- | -- | -- |
| #2 | 6677 | -- | -- | -- | -- | -- | -- |

Analysis Report QC Standard 11/02/00 01:41:40 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 11/02/00 01:35:48
Comment:
Mode: CONC Corr. Factor: 1

| Elem | Pb2203 | Se1960 | Sb2068 | Al3082 | As1890 | Ba4934 | Be3130 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00034 | -.00487 | -.00007 | .01111 | .00128 | .00019 | -.00001 |
| SDev | .00006 | .00147 | .00083 | .00021 | .00111 | .00000 | .00001 |
| %RSD | 17.666 | 30.132 | 1244.1 | 1.8882 | 87.119 | .92530 | 70.310 |
| #1 | -.00038 | -.00383 | .00052 | .01125 | .00049 | .00019 | -.00002 |
| #2 | -.00030 | Q-.00591 | -.00065 | .01096 | .00207 | .00019 | -.00001 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | .00500 | .06000 | .20000 | .01000 | .02000 | .00500 |

| Elem | Cd_tr | Ca3179 | Cr_tr | Co2286 | Cu3247 | Fe2714 | Mg2790 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00049 | .00929 | -.00002 | -.00028 | -.00020 | .01345 | .00860 |
| SDev | .00003 | .00051 | .00011 | .00000 | .00038 | .00168 | .00131 |
| %RSD | 5.1947 | 5.4605 | 446.18 | .29967 | 193.05 | 12.501 | 15.238 |
| #1 | -.00051 | .00965 | -.00010 | -.00028 | .00007 | .01226 | .00768 |
| #2 | -.00047 | .00893 | .00005 | -.00028 | -.00047 | .01464 | .00953 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .00500 | 5.0000 | .01000 | .05000 | .02500 | .10000 | 5.0000 |

| Elem | Mn2576 | Mo2020 | Ni2316 | Ag_tr | Na3302 | Tl1908 | Ti3349 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avge | -.00010 | -.00003 | -.00025 | .00006 | .30226 | .00434 | .00072 |
| SDev | .00000 | .00001 | .00035 | .00057 | .18256 | .00001 | .00033 |
| %RSD | .85960 | 24.768 | 135.45 | 924.58 | 60.398 | .24344 | 45.660 |
| #1 | -.00010 | -.00002 | -.00050 | .00047 | .17317 | .00435 | .00049 |
| #2 | -.00010 | -.00003 | -.00001 | -.00034 | .43135 | .00434 | .00095 |
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 | .00000 |
| Range | .01500 | .04000 | .04000 | .01000 | 5.0000 | .01000 | .05000 |

| Elem | V_2924 | Zn2138 | Sn1899 | 2068_1 | 2068_2 | 2203_1 | 2203_2 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | | | | |
| Avge | -.00024 | -.00096 | -.00288 | .00088 | -.00197 | -.00414 | .00155 |
| SDev | .00032 | .00001 | .00420 | .00034 | .00181 | .00000 | .00009 |
| %RSD | 136.72 | .95676 | 145.98 | 38.099 | 92.093 | .03247 | 5.8708 |
| #1 | -.00001 | -.00095 | .00009 | .00112 | -.00069 | -.00414 | .00149 |
| #2 | -.00047 | -.00096 | -.00585 | .00064 | -.00325 | -.00414 | .00162 |
| Errors | QC Pass | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value | .00000 | .00000 | .00000 | | | | |
| Range | .05000 | .02000 | .10000 | | | | |

| Elem | 1960_1 | 1960_2 | B_2496 | Sr4215 | Si2881 |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Units | | | ppm | ppm | ppm |
| ·ge | .00184 | -.00822 | <.0000 | .0000 | .0023 |
| ⌐Dev | .00182 | .00311 | .0020 | .0000 | .0025 |
| %RSD | 98.709 | 37.792 | 4152. | .0000 | 109.9 |
| #1 | .00056 | -.00602 | .0014 | .0000 | .0041 |
| #2 | .00312 | -.01042 | <.0000 | .0000 | .0005 |
| Errors | NOCHECK | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value | | | .0000 | .0000 | .0000 |
| Range | | | .2000 | .0500 | .5000 |

| IntStd | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Mode | Counts | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem | Y | -- | -- | -- | -- | -- | -- |
| Wavlen | 371.030 | -- | -- | -- | -- | -- | -- |
| Avge | 6816 | -- | -- | -- | -- | -- | -- |
| SDev | 30.94283 | -- | -- | -- | -- | -- | -- |
| %RSD | .4539494 | -- | -- | -- | -- | -- | -- |
| #1 | 6794 | -- | -- | -- | -- | -- | -- |
| #2 | 6838 | -- | -- | -- | -- | -- | -- |

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 14:56:23

BATCH NUMBER: **0304272**

PREP DATE: 10/30/00
DUE DATE 10/24/00

INITIALS: 1.07

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|
| E0J180165 | DNCG1 | 01 | X 1.01 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/24/00 | | | |
| E0J250275 | DNRCV | 01 | X 1.01 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| | DNRCVS | | 1.00 g | _____g | _____g | _____g |
| | DNRCVD | | 1.01 g | _____g | _____g | _____g |
| E0J250275 | DNRC2 | 01 | X 1.00 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNRC7 | 01 | X 1.01 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNRDL | 01 | X 1.02 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNRDN | 01 | X 1.00 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNRDP | 01 | X .99 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNRDQ | 01 | X .98 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNRDW | 01 | X .99 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNRD0 | 01 | X .99 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNRD4 | 01 | X .98 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNRD6 | 01 | X 1.00 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J250275 | DNREK | 01 | X 1.01 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/31/00 | | | |
| E0J270306 | DN0TG | 01 | X 1.00 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 14:56:23

BATCH NUMBER: 0304272

PREP DATE: 10/30/00
DUE DATE 10/24/00

INITIALS: LCJ

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|
| E0J270306 | DN0TK | 01 | X .99 g | _____g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |
| E0J300000 | DN2QGB | 01 | X 100 g | _____g | _____g | _____g |
| SOLID | DUE DATE: | | 0/00/00 | | | |
| | DN2QGC | | 103 g | _____g | _____g | _____g |

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: Final Vol : 100ml

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE CD CO CR CU MO NI PB SB SE TL VX ZN

| | | | | | |
|---|---|---|---|---|---|
| MS/MSD 1: | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| MS/MSD 2: | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| MS/MSD 3: | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| CHECK : | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| CHECK DUP: | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| STANDARD NUMBERS | _____ | _____ | ____ | ___ | ___ |



BOE-C6-0163890

STL LOS ANGELES

# *Précis*

## Metals Preparation

**Batch:** 0304272

The following information applies to all samples associated with the above batch number.

Prepared By: UT
Reviewed By: UT

Date/Time Initiated: 10/31/00 19:25
Date/Time Completed: 11/1/00 1600

Hot Plate/Block # 4 Temp* 95 °C Thermometer # M-H-04
*Thermometer correction applied. (CF +1.0 °C)

Spike Standards for LCS and MS/MSD samples.

| | Volume | Lot # | Exp. Date |
|---|---|---|---|
| 1. QSPK1A | 1.0 mL | QSPK1A-091200-2 | 08/2002 |
| 2. QSPK1B | / mL | QSKP1B-091200-1 | 08/2002 |
| 3. QSPK2A | / mL | QSPK2A 072000-1 | 04/2002 |
| 4. QSPK2B | / mL | QSPK2B-101600-1 | 12/2001 |

| Reagents | Volume | Lot # |
|---|---|---|
| $HNO_3$ | 10.0 mL | 6623 T09A058 |
| $H_2O_2$ | 4.0 mL | 5240T15A01 |
| HCl | 10.0 mL | 5587 N41A07 |

**SOP No. CORP-IP-0002, Revision 2, Date: 7/2/99**

**Method 3050B**

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 $HNO_3$ .
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. $HNO_3$, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
Step 6. Reduce volume to approx. 5 mL or heat for 2 hours. → 11:30
Step 7. Cool and add 2 mL of water and 3 Ml of 30% $H_2O_2$.
Step 8. Heat until effervescence subsides.
Step 9. Cool and add 1 mL $H_2O_2$ with heat effervescence is minimal.
Step 10. Reduce volume to approx. 5 mL or heat for 2 hours.
Step 11. Add 10 mL of conc. HCl and heat for 15 min.
Step 12. Cool, rinse and filter sample with DI water.
Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____
Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:
Relinquished By: [signature] Date: 11/01/00 Received By: UT Date: 11/01/00

N:\inorganics\metals\forms\Q_prep
10/18/00



BOE-C6-0163891

**STL Los Angeles**
**Précis**
**CVAA Data Summary Cover Sheet**

**Mercury**
**Instrument ID: Leeman PS200 – M03**
**Leeman PS200 – M04**

Analyst: JGA
Analytical Date: 11/01/00
Data File: HG011 01A
Corr. Coeff.: 0.9998

Analysis by SOP: 7470 - 245.1 - CORP-MT-0005SA Rev 1.1 ___
7471 - 245.5 - CORP-MT-0007SA Rev 1.1 ✓

| Batch | Lot/Project | Data Upload | Review/Release | Pkg. |
|---|---|---|---|---|
| 0304278 | EOJ180165 | 11/02/00 | | L3 |
| | EOJ200278 | | | L3 |
| | EOJ250275 | | | L3 |
| | EOJ270306 | | | L3 |
| 0304281 | EOJ250276 | | | L3 |
| | EOJ260317 | | | L3 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**Calibration Stds:**
Preparation: Date 11/01/00 Time 1200
Calibration Stock Standard Concentration 10000 mg/L Lot# Hg-060800 Exp. Date 05/02
Intermediate Standard – 10000ug/L – requires 1000X dilution of Stock Std.
**Cal Working Standard** - 100ug/L - requires 100X dilution of Intermediate Std.
Std.1 - 0.2 ug/L 500X dilution of Cal Working Standard (0.2mL to 100mL)
Std.2 - 0.5 ug/L 200X dilution of Cal Working Standard (0.5mL to 100mL)
Std.3 - 1.0 ug/L 100X dilution of Cal Working Standard (1.0mL to 100mL)
Std.4 - 5.0 ug/L 20X dilution of Cal Working Standard (5.0mL to 100mL)
Std.5 - 10 ug/L 10X dilution of Cal Working Standard (10.0mL to 100mL)
**Calibration Check Stds:**
CRA - 0.2 ug/L - 500X dilution of Cal Working Standard (0.2mL to 100mL)
ICV Stock Standard Concentration 1000 mg/mL Lot# Hg-061300 Exp. Date 07/2001
**ICV Working Standard** - 500 ug/L - two dilutions of ICV Stock -first 100X then a 20X
ICV - 2.5 ug/L - 200X dilution of ICV Working Standard (0.5mL to 100mL)
CCV - 5.0 ug/L - 20X dilution of Cal Working Standard (5.0mL to 100mL)

Notes/Comments:

N:\metals\forms\dscs.doc
06/22/00



BOE-C6-0163892

FURNACE DATA SHEET

File: HG01101A Element: HG__ Instrument: LEEMAN_____

Start Run Date: 11/01/00 End Run Date: 11/01/00

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9998 11/02/00

Concentration Units: Ug/L

| # | SAMPLE ID | Time | Dil Factor | Sample (Absorb) | Sample (Conc) | %R/R | Flag | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 17:32 | 1.00 | | 0.0000 | | | | |
| 2 | | 17:34 | 1.00 | | 0.0000 | | | | |
| 3 | | 17:36 | 1.00 | | 0.0000 | | | | |
| 4 | | 17:38 | 1.00 | | 0.0000 | | | | |
| 5 | | 17:42 | 1.00 | | 0.0000 | | | | |
| 6 | S0 | 17:46 | 1.00 | | 0.0000 | | | | |
| 7 | S0.2 | 17:48 | 1.00 | | 0.2000 | | | | |
| 8 | S0.5 | 17:50 | 1.00 | | 0.5000 | | | | |
| 9 | S1 | 17:52 | 1.00 | | 1.0000 | | | | |
| 10 | S5 | 17:54 | 1.00 | | 5.0000 | | | | |
| 11 | S10 | 17:56 | 1.00 | | 10.0000 | | | | |
| 12 | ICV | 17:57 | 1.00 | | 2.5700 | 103 | | | |
| 13 | ICB | 17:59 | 1.00 | | -0.0050 | | | ND | |
| 14 | DN2QPB | 18:01 | 1.00 | | -0.0980 | | | ND | |
| 15 | DN2QPC | 18:03 | 1.00 | | 5.1900 | 104 | | 0.865 | |
| 16 | DNCG1 | 18:05 | 1.00 | | 0.2550 | | | 0.042 | |
| 17 | DNJQK | 18:07 | 1.00 | | 0.2690 | | | 0.045 | |
| 18 | DNRCV | 18:08 | 1.00 | | -0.0040 | | | ND | |
| 19 | DNRCVS | 18:10 | 1.00 | | 1.0100 | 101 | | 0.168 | |
| 20 | DNRCVD | 18:12 | 1.00 | | 1.0000 | 100 | | 0.168 | |
| 21 | DNRC2 | 18:14 | 1.00 | | -1.1400 | — | | Per Run | |
| 22 | DNRC7 | 18:16 | 1.00 | | 0.0760 | | | ND | |
| 23 | CCV1 | 18:18 | 1.00 | | 5.0900 | 102 | | | |
| 24 | CCB1 | 18:20 | 1.00 | | -0.1010 | | | ND | |
| 25 | DNRDL | 18:21 | 1.00 | | 0.0690 | | | ND | |
| 26 | DNRDN | 18:23 | 1.00 | | 0.0600 | | | ND | |
| 27 | DNRDP 11/02/00 | 18:25 | 1.00 | | 0.1640 | 06 | | 0.027 | |
| 28 | DNRDQ | 18:27 | 1.00 | | 0.2230 | | | 0.037 | |
| 29 | DNRDW | 18:28 | 1.00 | | 0.2580 | | | 0.043 | |
| 30 | DNRD0 | 18:30 | 1.00 | | 0.0330 | | | ND | |
| 31 | DNRD4 | 18:32 | 1.00 | | 0.0110 | | | ND | |
| 32 | DNRD6 | 18:34 | 1.00 | | 0.0050 | | | ND | |
| 33 | DNREK | 18:36 | 1.00 | | 0.1440 | | | 0.024 | |
| 34 | CCV2 | 18:38 | 1.00 | | 5.1600 | 103 | | | |
| 35 | CCB2 | 18:39 | 1.00 | | -0.0470 | | | ND | |
| 36 | DN0TG | 18:41 | 1.00 | | 0.1530 | | | 0.026 | |
| 37 | DNOTK | 18:43 | 1.00 | | 0.3150 | | | 0.052 | |
| 38 | DN2WQB | 18:45 | 1.00 | | -0.0170 | | | ND | |
| 39 | DN2WQC | 18:47 | 1.00 | | 5.0500 | | | | |
| 40 | DNRCJ | 18:49 | 1.00 | | 0.0840 | | | | |

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01101A Element: HG__ Instrument: LEEMAN_____

Start Run Date: 11/01/00 End Run Date: 11/01/00

Correlation Coefficient: _~~-1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9998 11/02/00

Concentration Units: Ug/L

| # | SAMPLE ID | Time | Dil Factor | Sample (Absorb) | Sample (Conc) | %R/R | Flag | | |
|---|---|---|---|---|---|---|---|---|---|
| _41 | DNRCJS | 18:51 | 1.00 | | 0.9540 | | | | |
| _42 | DNRCJD | 18:53 | 1.00 | | 0.9850 | | | | |
| _43 | DNRCN | 18:54 | 1.00 | | -0.0170 | | | | |
| _44 | DNRCQ | 18:56 | 1.00 | | 0.0480 | | Ref | | |
| _45 | DNRCR | 18:58 | 1.00 | | 0.1320 | | | | |
| _46 | CCV3 | 19:00 | 1.00 | | 4.9900 | | | | |
| _47 | CCB3 | 19:01 | 1.00 | | -0.2470 | | | | |
| _48 | DNRCW | 19:03 | 1.00 | | 0.0460 | | | | |
| _49 | DNRCX | 19:05 | 1.00 | | 0.1840 | | | | |
| _50 | DNRC0 | 19:07 | 1.00 | | 0.0890 | | | | |
| _51 | DNRC1 | 19:09 | 1.00 | | -0.0210 | | | | |
| _52 | DNRC3 | 19:11 | 1.00 | | 0.0750 | | | | |
| _53 | DNRC8 | 19:12 | 1.00 | | 0.1700 | | | | |
| _54 | DNRDC | 19:14 | 1.00 | | -0.0010 | Ref. | | | |
| _55 | DNRDE | 19:16 | 1.00 | | 0.1950 | | | | |
| _56 | DNRDG | 19:18 | 1.00 | | 0.0290 | | | | |
| 7 | CCV4 | 19:20 | 1.00 | | 4.8900 | 98 | | | |
| _58 | CCB4 | 19:21 | 1.00 | | -0.0710 | | | ND | |
| _59 | DNWD0 | 19:23 | 1.00 | | 0.0280 | | | ND | |
| _60 | DNWD8 | 19:25 | 1.00 | | 0.1990 | | | 0.033 | |
| _61 | DNWEC | 19:27 | 1.00 | | 0.3200 | | | 0.053 | |
| _62 | DNWEF | 19:29 | 1.00 | | -0.0100 | | | ND | |
| _63 | DNWEH | 19:31 | 1.00 | | -0.0040 | | | ND | |
| _64 | DNWEK | 19:33 | 1.00 | | 0.0760 | | | ND | |
| _65 | CCV | 19:35 | 1.00 | | 4.8600 | 97 | | | |
| _66 | CCB | 19:37 | 1.00 | | -0.0590 | | | ND | |
| _67 | | | | | | | | | |
| _68 | | | | | | | | | |
| _69 | | | | | | | | | |
| _70 | | | | | | | | | |
| _71 | | | | | | | | | |
| _72 | | | | | | | | | |
| _73 | | | | | | | | | |
| _74 | | | | | | | | | |
| _75 | | | | | | | | | |
| _76 | | | | | | | | | |
| _77 | | | | | | | | | |
| _78 | | | | | | | | | |
| _79 | | | | | | | | | |
| _80 | | | | | | | | | |

Analyst: jga_____ QC Reviewer: _____

| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|
| *** Standard: 1 Rep: 1 | | | | Seq: 0 | 17:32:30 01 Nov 2000 HG | | | |
| Hg | .000 | ppb | 1998 | | | | | |
| *** Standard: 2 Rep: 1 | | | | Seq: 1 | 17:34:22 01 Nov 2000 HG | | | |
| Hg | .200 | ppb | 4888 | | | | | |
| *** Standard: 1 Rep: 1 | | | | Seq: 2 | 17:36:57 01 Nov 2000 HG | | | |
| Hg | .000 | ppb | 1473 | | | | | |
| *** Standard: 2 Rep: 1 | | | | Seq: 3 | 17:38:46 01 Nov 2000 HG | | | |
| Hg | .200 | ppb | -1398 | | | | | |
| *** Standard: 6 Rep: 1 | | | | Seq: 4 | 17:42:44 01 Nov 2000 HG | | | |
| Hg | 10.0 | ppb | 19503 | | | | | |
| *** Standard: 1 Rep: 1 | | | | Seq: 5 | 17:46:20 01 Nov 2000 HG | | | |
| Hg | .000 | ppb | 1438 | | | | | |
| *** Standard: 2 Rep: 1 | | | | Seq: 6 | 17:48:11 01 Nov 2000 HG | | | |
| Hg | .200 | ppb | 15900 | | | | | |
| *** Standard: 3 Rep: 1 | | | | Seq: 7 | 17:50:04 01 Nov 2000 HG | | | |
| Hg | .500 | ppb | 32257 | | | | | |
| *** Standard: 4 Rep: 1 | | | | Seq: 8 | 17:52:14 01 Nov 2000 HG | | | |
| Hg | 1.00 | ppb | 51829 | | | | | |
| *** Standard: 5 Rep: 1 | | | | Seq: 9 | 17:54:05 01 Nov 2000 HG | | | |
| Hg | 5.00 | ppb | 266807 | | | | | |
| *** Standard: 6 Rep: 1 | | | | Seq: 10 | 17:56:05 01 Nov 2000 HG | | | |
| Hg | 10.0 | ppb | 522421 | | | | | |

RunProt: HG-A | Err: Analyzer needs maintenance | Mode: Analyze

RunFold: HG01101A Seq: 11 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

Rev: 4.2 17:56:16 01 Nov 2000 Xmit: Off Gas: 0.70 LPM

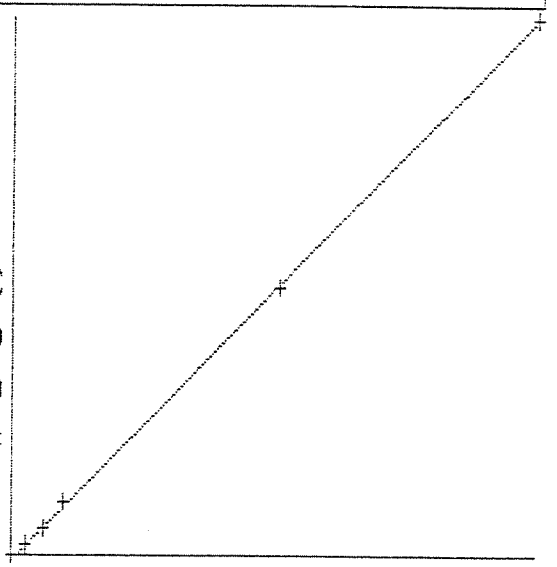
Idle None User: JGA A/S: On

CALIBRATION: Line proto: HG-A

| | Hg Conc. | Calc. | Dev. | Accepted ->linear | |
|---|---|---|---|---|---|
| S1 | .000 | -.043 | -.043 | Quadratic | |
| S2 | .200 | .235 | .035 | Wtdlinear | |
| S3 | .500 | .550 | .050 | | C |
| S4 | 1.00 | .926 | -.074 | Accept | o |
| S5 | 5.00 | 5.06 | .059 | | n |
| S6 | 10.0 | 9.97 | -.027 | | c |

A .0000000 r .999905

B 1.92254e-5 C -7.05234e-2



Relative Absorbance

| | Mean | | | |
|---|---|---|---|---|
| S1 | 1438 | 0 | SD | 1438 |
| S2 | 15900 | 0 | %RSD | 15900 |
| S3 | 32257 | 0 | %RSD | 32257 |
| S4 | 51829 | 0 | %RSD | 51829 |
| S5 | 266807 | 0 | %RSD | 266807 |
| S6 | 522421 | 0 | %RSD | 522421 |

New cal coefficients stored

| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|
| *** Sample ID: ICV | | | | | Seq: 11 | 17:57:54 01 Nov 2000 HG | | |
| Hg | 2.57 | ppb | .000 | 2.57 | | | | |
| *** Sample ID: ICB | | | | | Seq: 12 | 17:59:57 01 Nov 2000 HG | | |
| Hg | -.005 | ppb | .000 | -.005 | | | | |
| *** Sample ID: DN2QPB | | | | | Seq: 13 | 18:01:42 01 Nov 2000 HG | | |
| Hg | -.098 | ppb | .000 | -.098 | | | | |
| *** Sample ID: DN2QPC | | | | | Seq: 14 | 18:03:30 01 Nov 2000 HG | | |
| Hg | 5.19 | ppb | .000 | 5.19 | | | | |
| *** Sample ID: DNCG1 | | | | | Seq: 15 | 18:05:17 01 Nov 2000 HG | | |
| Hg | .255 | ppb | .000 | .255 | | | | |
| *** Sample ID: DNJQK | | | | | Seq: 16 | 18:07:05 01 Nov 2000 HG | | |
| Hg | .269 | ppb | .000 | .269 | | | | |
| *** Sample ID: DNRCV | | | | | Seq: 17 | 18:08:50 01 Nov 2000 HG | | |
| Hg | -.004 | ppb | .000 | -.004 | | | | |
| *** Sample ID: DNRCVS | | | | | Seq: 18 | 18:10:34 01 Nov 2000 HG | | |
| Hg | 1.01 | ppb | .000 | 1.01 | | | | |
| *** Sample ID: DNRCVD | | | | | Seq: 19 | 18:12:40 01 Nov 2000 HG | | |
| Hg | 1.00 | ppb | .000 | 1.00 | | | | |
| *** Sample ID: DNRC2 | | | | | Seq: 20 | 18:14:25 01 Nov 2000 HG | | |
| Hg | -1.14 | ppb | .000 | -1.14 | | | | |
| *** Sample ID: DNRC7 | | | | | Seq: 21 | 18:16:23 01 Nov 2000 HG | | |
| Hg | .076 | ppb | .000 | | | | | |

Hg 5.09 ppb .000 5.09



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: CCB1 Seq: 23 18:20:12 01 Nov 2000 HG

Hg -.101 ppb .000 -.101

*** Sample ID: DNRDL Seq: 24 18:21:56 01 Nov 2000 HG

Hg .069 ppb .000 .069

*** Sample ID: DNRDN Seq: 25 18:23:41 01 Nov 2000 HG

Hg .060 ppb .000 .060

*** Sample ID: DBRDP Seq: 26 18:25:25 01 Nov 2000 HG

Hg .164 ppb .000 .164

*** Sample ID: DNRDQ Seq: 27 18:27:10 01 Nov 2000 HG

Hg .223 ppb .000 .223

*** Sample ID: DNRDW Seq: 28 18:28:54 01 Nov 2000 HG

Hg .258 ppb .000 .258

*** Sample ID: DNRDO Seq: 29 18:30:37 01 Nov 2000 HG

Hg .033 ppb .000 .033

*** Sample ID: DNRD4 Seq: 30 18:32:24 01 Nov 2000 HG

Hg .011 ppb .000 .011

*** Sample ID: DNRD6 Seq: 31 18:34:10 01 Nov 2000 HG

Hg .005 ppb .000 .005

*** Sample ID: DNREK Seq: 32 18:36:20 01 Nov 2000 HG

Hg .144 ppb .000 .144

*** Sample ID: CCV2 Seq: 33 18:38:05 01 Nov 2000 HG

Hg 5.16 ppb .000 5.16

Hg -.047 ppb .000 -.047



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: DNOTG Seq: 35 18:41:38 01 Nov 2000 HG

Hg .153 ppb .000 .153

*** Sample ID: DNOTK Seq: 36 18:43:26 01 Nov 2000 HG

Hg .315 ppb .000 .315

*** Sample ID: DN2WQB Seq: 37 18:45:13 01 Nov 2000 HG

Hg -.017 ppb .000 -.017

*** Sample ID: DN2WQC Seq: 38 18:47:09 01 Nov 2000 HG

Hg 5.05 ppb .000 5.05

*** Sample ID: DNRCJ Seq: 39 18:49:15 01 Nov 2000 HG

Hg .084 ppb .000 .084

*** Sample ID: DNRCJS Seq: 40 18:51:05 01 Nov 2000 HG

Hg .954 ppb .000 .954

*** Sample ID: DNRCJD Seq: 41 18:53:00 01 Nov 2000 HG

Hg .985 ppb .000 .985

*** Sample ID: DNRCN Seq: 42 18:54:50 01 Nov 2000 HG

Hg -.017 ppb .000 -.017

*** Sample ID: DNRCQ Seq: 43 18:56:36 01 Nov 2000 HG

Hg .048 ppb .000 .048

*** Sample ID: DNRCR Seq: 44 18:58:26 01 Nov 2000 HG

Hg .132 ppb .000 .132

*** Sample ID: CCV3 Seq: 45 19:00:11 01 Nov 2000 HG

Hg 4.99 ppb .000 [illegible]

*** Sample ID: CCB3 Seq: 46 19:01:37 01 Nov 2000 HG

Hg -.247 ppb .000 -.247



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: DNRCW Seq: 47 19:03:43 01 Nov 2000 HG

Hg .046 ppb .000 .046

*** Sample ID: DNRCX Seq: 48 19:05:29 01 Nov 2000 HG

Hg .184 ppb .000 .184

*** Sample ID: DNRCO Seq: 49 19:07:19 01 Nov 2000 HG

Hg .089 ppb .000 .089

*** Sample ID: DNRC1 Seq: 50 19:09:05 01 Nov 2000 HG

Hg -.021 ppb .000 -.021

*** Sample ID: DNRC3 Seq: 51 19:11:01 01 Nov 2000 HG

Hg .075 ppb .000 .075

*** Sample ID: DNRC8 Seq: 52 19:12:47 01 Nov 2000 HG

Hg .170 ppb .000 .170

*** Sample ID: DNRDC Seq: 53 19:14:33 01 Nov 2000 HG

Hg -.001 ppb .000 -.001

*** Sample ID: DNRDE Seq: 54 19:16:22 01 Nov 2000 HG

Hg .195 ppb .000 .195

*** Sample ID: DNRDG Seq: 55 19:18:21 01 Nov 2000 HG

Hg .029 ppb .000 .029

*** Sample ID: CCV4 Seq: 56 19:20:09 01 Nov 2000 HG

Hg 4.89 ppb .000 4.89

*** Sample ID: CCB4 Seq: 57 19:21:58 01 Nov 2000 HG

Hg -.071 ppb .000 -.071

Hg .028 ppb .000 .028



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: DNWD8 Seq: 59 19:25:36 01 Nov 2000 HG

Hg .199 ppb .000 .199

*** Sample ID: DNWEC Seq: 60 19:27:46 01 Nov 2000 HG

Hg .320 ppb .000 .320

*** Sample ID: DNWEF Seq: 61 19:29:46 01 Nov 2000 HG

Hg -.010 ppb .000 -.010

*** Sample ID: DNWEH Seq: 62 19:31:34 01 Nov 2000 HG

Hg -.004 ppb .000 -.004

*** Sample ID: DNWEK Seq: 63 19:33:24 01 Nov 2000 HG

Hg .076 ppb .000 .076

*** Sample ID: CCV Seq: 64 19:35:12 01 Nov 2000 HG

Hg 4.86 ppb .000 4.86

*** Sample ID: CCB Seq: 65 19:37:01 01 Nov 2000 HG

Hg -.059 ppb .000 -.059



BOE-C6-0163901

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 12:35:38

BATCH NUMBER: **0304278**

PREP DATE: 10/31/00
DUE DATE 10/24/00

INITIALS: KK

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|
| E0J180165 SOLID | DNCG1 TO DUE DATE: 10/24/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J200278 SOLID | DNJQK TO DUE DATE: 10/26/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J250275 SOLID | DNRCV TO DUE DATE: 10/31/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| | DNRCVS | | _____g | 0.61 g | _____g | _____g |
| | DNRCVD | | _____g | 0.61 g | _____g | _____g |
| E0J250275 SOLID | DNRC2 TO DUE DATE: 10/31/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J250275 SOLID | DNRC7 TO DUE DATE: 10/31/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J250275 SOLID | DNRDL TO DUE DATE: 10/31/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J250275 SOLID | DNRDN TO DUE DATE: 10/31/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J250275 SOLID | DNRDP TO DUE DATE: 10/31/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J250275 SOLID | DNRDQ TO DUE DATE: 10/31/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J250275 SOLID | DNRDW TO DUE DATE: 10/31/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J250275 SOLID | DNRD0 TO DUE DATE: 10/31/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J250275 SOLID | DNRD4 TO DUE DATE: 10/31/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J250275 SOLID | DNRD6 TO DUE DATE: 10/31/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J250275 SOLID | DNREK TO DUE DATE: 10/31/00 | 01 | _____g | X 0.60 g | _____g | _____g |

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 12:35:38

BATCH NUMBER: **0304278**

PREP DATE: 10/31/00
DUE DATE 10/24/00

INITIALS: [illegible]

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|
| E0J270306 | DN0TG | 01 | _____g | X 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |
| E0J270306 | DN0TK | 01 | _____g | X 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |
| E0J300000 | DN2QPB | 01 | _____g | X 0.60 g | _____g | _____g |
| SOLID | DUE DATE: | | 0/00/00 | | | |
| | DN2QPC | | _____g | 0.62 g | _____g | _____g |

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

| | | | | | |
|---|---|---|---|---|---|
| MS/MSD 1: | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| MS/MSD 2: | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| MS/MSD 3: | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| CHECK : | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| CHECK DUP: | ICP - 1 | ICP - 2 | GFAA | HG | ODD |
| STANDARD NUMBERS | _____ | _____ | ____ | ___ | ___ |

STL LOS ANGELES

# *Précis*

## Metals Preparation

Batch: 0304278

The following information applies to all samples associated with the above batch number.

Prepared By: _____ Date/Time Initiated: 11/02/00 / 1200

Reviewed By: _____ Date/Time Completed: 11/ / 1230

Water Bath # 6 Temp* 95 °C Thermometer # ~~M-H-01~~

*Thermometer correction applied. (CF + ~~2~~ 0.0°C) FP ~~H01~~ 1811 11/02/00

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

| | *Volume | Lot # | Exp. Date |
|---|---|---|---|
| 1. Hg Cal (MS) | 1 mL | Hg-060800 | 05/2002 |
| 2. Hg Cal (LCS) | 5 mL | Hg-060800 | 05/2002 |
| 3. Hg ICV | 0.5 mL | Hg-061300 | 07/2001 |

**Preparation**

| Reagents | Volume | Lot # |
|---|---|---|
| *$HNO_3$ | 1.25 mL | 6623 T09A05 |
| *HCl | 3.75 mL | 5587 N41A07 |
| $KMnO_4$ | 15 mL | 995929 |
| $K_2S_2O_8$ | 8.0 mL | 997008 |

* 3 HCl : 1$HNO_3$ as Aqua Regia

**Analysis**

| Reagents | Volume | Lot# |
|---|---|---|
| $NH_2OH$-HCl+ NaCl | 6.0 mL | 995700+ 995717 |
| $SnCl_2$ + HCl | Controlled by instrument | 005668+ 5587 N41A07 |

**SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96**

**Method 7471A/245.5**

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
**Samples**-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of $NH_2OH$-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
**Samples**- Add 55 mL of DI water and mix.

**Standards to be prepared with each batch**

To each standard add DI water for a total vol. of 10 mL

| Standard | Concentration (mg/L) |
|---|---|
| Std. 0/ICB/CCB | 0 |
| Std. 1 | 0.0002 |
| Std. 2 | 0.0005 |
| Std. 3 | 0.001 |
| Std. 4/CCV | 0.005 |
| Std. 5 | 0.010 |
| ICV | 0.0025 |

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: _____ Date: 11/01/00 Received By: _____ Date: 11/01/00

N:\inorganics\metals\forms\Q_prep
10/20/00

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 11/02/00
Time: 15:56:27

BATCH NUMBER: **0304281**

PREP DATE: 10/31/00
DUE DATE 10/31/00

INITIALS: [illegible]

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|
| E0J250276 SOLID | DNRCJ TO DUE DATE: 10/31/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| | DNRCJS | | _____g | 0.59 g | _____g | _____g |
| | DNRCJD | | _____g | 0.59 g | _____g | _____g |
| E0J250276 SOLID | DNRCN TO DUE DATE: 10/31/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J250276 SOLID | DNRCQ TO DUE DATE: 10/31/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J250276 SOLID | DNRCR TO DUE DATE: 10/31/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J250276 SOLID | DNRCW TO DUE DATE: 10/31/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J250276 SOLID | DNRCX TO DUE DATE: 10/31/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J250276 SOLID | DNRC0 TO DUE DATE: 10/31/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J250276 SOLID | DNRC1 TO DUE DATE: 10/31/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J250276 SOLID | DNRC3 TO DUE DATE: 10/31/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J250276 SOLID | DNRC8 TO DUE DATE: 10/31/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J250276 SOLID | DNRDC TO DUE DATE: 10/31/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J250276 SOLID | DNRDE TO DUE DATE: 10/31/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J250276 SOLID | DNRDG TO DUE DATE: 10/31/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J260327 SOLID | DNWD0 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.61 g | _____g | _____g |

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 11/02/00
Time: 15:56:27

BATCH NUMBER: **0304281**

PREP DATE: 10/31/00
DUE DATE 10/31/00

INITIALS: JP

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|
| E0J260327 SOLID | DNWD8 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J260327 SOLID | DNWEC TO DUE DATE: 11/01/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J260327 SOLID | DNWEF TO DUE DATE: 11/01/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J260327 SOLID | DNWEH TO DUE DATE: 11/01/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J260327 SOLID | DNWEK TO DUE DATE: 11/01/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J300000 SOLID | DN2QWB DUE DATE: 0/00/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| | DN2QWC | | _____g | 0.62 g | _____g | _____g |

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 10ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

# *Précis*

## Metals Preparation

Batch: 0304281

The following information applies to all samples associated with the above batch number.

Prepared By: _____ Date/Time Initiated: 11/02/00 / 1300

Reviewed By: _____ Date/Time Completed: _____ / 1330

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

| | *Volume | Lot # | Exp. Date |
|---|---|---|---|
| 1. Hg Cal (MS) | 1 mL | Hg-060800 | 05/2002 |
| 2. Hg Cal (LCS) | 5 mL | Hg-060800 | 05/2002 |
| 3. Hg ICV | 0.5 mL | Hg-061300 | 07/2001 |

**Preparation**

| Reagents | Volume | Lot # |
|---|---|---|
| *$HNO_3$ | 1.25 mL | 6623 T09A05 |
| *HCl | 3.75 mL | 5587 N41A07 |
| $KMnO_4$ | 15 mL | 995929 |
| $K_2S_2O_8$ | 8.0 mL | 997008 |

* 3 HCl : 1$HNO_3$ as Aqua Regia

**Analysis**

| Reagents | Volume | Lot# |
|---|---|---|
| $NH_2OH$-HCl+ NaCl | 6.0 mL | 995700+ 995717 |
| $SnCl_2$ + HCl | Controlled by instrument | 005668+ 5587 N41A07 |

**SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96**

**Method 7471A/245.5**

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
**Samples**-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of $NH_2OH$-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
**Samples**- Add 55 mL of DI water and mix.

**Standards to be prepared with each batch**

To each standard add DI water for a total vol. of 10 mL

| Standard | Concentration (mg/L) |
|---|---|
| Std. 0/ICB/CCB | 0 |
| Std. 1 | 0.0002 |
| Std. 2 | 0.0005 |
| Std. 3 | 0.001 |
| Std. 4/CCV | 0.005 |
| Std. 5 | 0.010 |
| ICV | 0.0025 |

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: _____ Date: 11/01/00 Received By: _____ Date: 11/01/00

N:\inorganics\metals\forms\Q_prep
10/20/00

**STL Los Angeles**
**Précis**
**CVAA Data Summary Cover Sheet**

**Mercury**
**Instrument ID: Leeman PS200 – M03**
**Leeman PS200 – M04**

Analyst: JGA
Analytical Date: 11/02/00
Data File: H601102A
Corr. Coeff.: 0.9998

Analysis by SOP: 7470 - 245.1 - CORP-MT-0005SA Rev 1.1 ___
7471 - 245.5 - CORP-MT-0007SA Rev 1.1 ✓

| Batch | Lot/Project | Data Upload | Review/Release | Pkg. |
|---|---|---|---|---|
| 0306301 | EQJ030233 | 11/02/00 | | L3 |
| | EQJ260321 | | | L3 |
| | EQJ270318 | | | L3 |
| 0305448 | EQJ260321 | | | L3 |
| | | | | L3 |
| 0304278 | EQJ270306 | | | L3 |
| | | | | |
| 0304281 | EQJ250276 | | | L3 |
| | EQJ260327 | | | L3 |
| 0304278 | EQJ250275(DMRC2) | | | L3 |

**Calibration Stds:**
Preparation: Date 11/01/00 Time 1200
Calibration Stock Standard Concentration 10000 mg/L Lot# Hg-060800 Exp. Date 05/02
Intermediate Standard – 10000ug/L – requires 1000X dilution of Stock Std.
**Cal Working Standard** - 100ug/L - requires 100X dilution of Intermediate Std.
Std.1 - 0.2 ug/L 500X dilution of Cal Working Standard (0.2mL to 100mL)
Std.2 - 0.5 ug/L 200X dilution of Cal Working Standard (0.5mL to 100mL)
Std.3 - 1.0 ug/L 100X dilution of Cal Working Standard (1.0mL to 100mL)
Std.4 - 5.0 ug/L 20X dilution of Cal Working Standard (5.0mL to 100mL)
Std.5 - 10 ug/L 10X dilution of Cal Working Standard (10.0mL to 100mL)
**Calibration Check Stds:**
CRA - 0.2 ug/L - 500X dilution of Cal Working Standard (0.2mL to 100mL)
ICV Stock Standard Concentration 1000 mg/mL Lot# Hg-061300 Exp. Date 07/2001
**ICV Working Standard** - 500 ug/L - two dilutions of ICV Stock -first 100X then a 20X
ICV - 2.5 ug/L - 200X dilution of ICV Working Standard (0.5mL to 100mL)
CCV - 5.0 ug/L - 20X dilution of Cal Working Standard (5.0mL to 100mL)

Notes/Comments:

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06/22/00



BOE-C6-0163908

FURNACE DATA SHEET

File: HG01102A Element: HG__ Instrument: LEEMAN_____

art Run Date: 11/02/00 End Run Date: 11/02/00

Correlation Coefficient: _-~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9998 11/02/00 Ja

Concentration Units: Ug/L

| # | SAMPLE ID | Time | Dil Factor | Sample (Absorb) | Sample (Conc) | %R/R | Flag | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 09:36 | 1.00 | | 0.0000 | | | | |
| 2 | | 09:38 | 1.00 | | 0.0000 | | | | |
| 3 | | 09:40 | 1.00 | | 0.0000 | | | | |
| 4 | S0 | 09:42 | 1.00 | | 0.0000 | | | | |
| 5 | S0.2 | 09:44 | 1.00 | | 0.2000 | | | | |
| 6 | S0.5 | 09:46 | 1.00 | | 0.5000 | | | | |
| 7 | S1 | 09:48 | 1.00 | | 1.0000 | | | | |
| 8 | S5 | 09:50 | 1.00 | | 5.0000 | | | | |
| 9 | S10 | 09:52 | 1.00 | | 10.0000 | | | | |
| 10 | ICV | 09:59 | 1.00 | | 2.6900 | 108 | | | |
| 11 | ICB | 10:01 | 1.00 | | -0.0450 | | | ND | |
| 12 | DN0TG | 10:03 | 1.00 | | 0.0350 | | | ND | |
| 13 | DNOTK | 10:05 | 1.00 | | 0.2220 | | | 0.03 J | |
| 14 | DN2WQB | 10:07 | 1.00 | | -0.0390 | | | ND | |
| 15 | DN2WQC | 10:09 | 1.00 | | 5.0900 | 102 | | 0.148 | |
| 16 | DNRCJ | 10:10 | 1.00 | | 0.0830 | | | ND | |
| 17 | DNRCJS | 10:12 | 1.00 | | 0.9940 | 99 | | 0.166 | |
| 18 | DNRCJD | 10:14 | 1.00 | | 1.0200 | 102 | | 0.170 | |
| 19 | DNRCN | 10:16 | 1.00 | | -0.0010 | | | ND | |
| 20 | DNRCQ | 10:18 | 1.00 | | -0.0170 | | | ↓ | |
| 21 | DNRCR | 10:20 | 1.00 | | 0.1450 | | | 0.024 | |
| 22 | CCV3 | 10:22 | 1.00 | | 5.0800 | 101 | | | |
| 23 | CCB3 | 10:23 | 1.00 | | -0.0690 | | | ND | |
| 24 | DNRCW | 10:25 | 1.00 | | 0.0660 | | | ND | |
| 25 | DNRCX | 10:27 | 1.00 | | 0.1130 | | | 0.019 | |
| 26 | DNRC0 | 10:29 | 1.00 | | 0.1120 | | | 0.019 | |
| 27 | DNRC1 | 10:31 | 1.00 | | -0.0560 | | | ND | |
| 28 | DNRC3 | 10:33 | 1.00 | | 0.0880 | | | ND | |
| 29 | DNRC8 | 10:34 | 1.00 | | 0.1860 | | | 0.031 | |
| 30 | DNRDC | 10:37 | 1.00 | | 0.0750 | | | ND | |
| 31 | DNRDE | 10:38 | 1.00 | | 0.1160 | | | 0.019 | |
| 32 | DNRDG | 10:40 | 1.00 | | 0.1840 | | | 0.031 | |
| 33 | CCV4 | 10:42 | 1.00 | | 5.0300 | 101 | | | |
| 34 | CCB4 | 10:44 | 1.00 | | -0.1620 | | | ND | |
| 35 | DN5AHB | 11:13 | 1.00 | | -0.0540 | | | ND | |
| 36 | DN5AHC | 11:15 | 1.00 | | 4.9500 | 99 | | 0.825 | |
| 37 | DNWAP | 11:17 | 1.00 | | 0.1990 | | | 0.033 | |
| 38 | DNWAPS | 11:19 | 1.00 | | 1.2900 | | | 0.215 | |
| 39 | DNWAPD | 11:20 | 1.00 | | 1.3500 | | | 0.225 | |
| 40 | DNWAQ | 11:22 | 1.00 | | 0.1250 | | | 0.021 | |

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01102A Element: HG__ Instrument: LEEMAN_____

Start Run Date: 11/02/00 End Run Date: 11/02/00

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9998 11/02/00 JG

Concentration Units: Ug/L

| # | SAMPLE ID | Time | Dil Factor | Sample (Absorb) | Sample (Conc) | %R/R | Flag | | |
|---|---|---|---|---|---|---|---|---|---|
| 41 | DNWAT | 11:24 | 1.00 | | 0.1730 | | | 0.029 | |
| 42 | DNWAW | 11:26 | 1.00 | | 0.0560 | | | ND | |
| 43 | DNWAX | 11:28 | 1.00 | | 0.1090 | | | 0.018 | |
| 44 | CCV1 | 11:30 | 1.00 | | 5.0500 | 101 | | | |
| 45 | CCB1 | 11:32 | 1.00 | | -0.1340 | | | ND | |
| 46 | DNWA0 | 11:34 | 1.00 | | 0.1360 | | | 0.023 | |
| 47 | DNWA1 | 11:36 | 1.00 | | 0.0820 | | | ND | |
| 48 | DNWA2 | 11:37 | 1.00 | | 0.2110 | | | 0.035 | |
| 49 | DNWA3 | 11:40 | 1.00 | | 0.1090 | | | 0.018 | |
| 50 | DNWA4 | 11:41 | 1.00 | | 0.1610 | | | 0.027 | |
| 51 | DNWA5 | 11:43 | 1.00 | | 0.1070 | | | 0.018 | |
| 52 | DNWA6 | 11:45 | 1.00 | | 0.2510 | | | 0.042 | |
| 53 | DNWA8 | 11:47 | 1.00 | | 0.0660 | | | ND | |
| 54 | DNWA9 | 11:49 | 1.00 | | 0.0380 | | | ND | |
| 55 | CCV2 | 11:50 | 1.00 | | 5.0800 | 102 | | | |
| 56 | CCB2 | 11:52 | 1.00 | | -0.0550 | | | ND | |
| 57 | DNWCJ | 11:54 | 1.00 | | -0.0420 | | | ND | |
| 58 | DNWCK | 11:56 | 1.00 | | 0.0170 | | | ND | |
| 59 | DNWCP | 11:57 | 1.00 | | 0.1020 | | | 0.017 | |
| 60 | DNWCX | 11:59 | 1.00 | | -0.0070 | | | ND | |
| 61 | DNWC2 | 12:01 | 1.00 | | 0.1380 | | | 0.023 | |
| 62 | DNWC6 | 12:03 | 1.00 | | -0.1120 | | | ND | |
| 63 | DN6E7B | 12:05 | 1.00 | | 0.0580 | | | ND | |
| 64 | DN6E7C | 12:06 | 1.00 | | 4.9600 | 99 | | 0.827 | |
| 65 | DLGD3 | 12:08 | 1.00 | | -0.0110 | | | ND | |
| 66 | DNWDE | 12:10 | 1.00 | | 0.3590 | | | 0.060 | |
| 67 | CCV3 | 12:12 | 1.00 | | 5.0800 | 102 | | | |
| 68 | CCB3 | 12:14 | 1.00 | | -0.1240 | | | ND | |
| 69 | DNWDES | 12:16 | 1.00 | | 1.3600 | 99 | | 0.23 | |
| 70 | DNWDED | 12:18 | 1.00 | | 1.3800 | 102 | | 0.23 | |
| 71 | DNWDG | 12:19 | 1.00 | | 0.0390 | | | ND | |
| 72 | DNWDL | 12:21 | 1.00 | | 0.0870 | | | ND | |
| 73 | DNWDN | 12:23 | 1.00 | | 0.3100 | | | 0.052 | |
| 74 | DN00W | 12:25 | 1.00 | | 0.1830 | | | 0.030 | |
| 75 | DN001 | 12:27 | 1.00 | | 0.1330 | | | 0.022 | |
| 76 | DN002 | 12:29 | 1.00 | | 0.0720 | | | ND | |
| 77 | DN003 | 13:01 | 1.00 | | 0.2630 | | | 0.044 | |
| 78 | CCV4 | 13:03 | 1.00 | | 4.8700 | 97 | | | |
| 79 | CCB4 | 13:05 | 1.00 | | -0.0760 | | | ND | |
| 80 | DN004 | 13:07 | 1.00 | | 0.2430 | | | 0.041 | |

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01102A Element: HG Instrument: LEEMAN

Start Run Date: 11/02/00 End Run Date: 11/02/00

Correlation Coefficient: -1.000000 Slope: 0.000000 Intercept: 0.000000

Concentration Units: Ug/L

| # | SAMPLE ID | Time | Dil Factor | Sample (Absorb) | Sample (Conc) | %R/R | Flag | | |
|---|---|---|---|---|---|---|---|---|---|
| 81 | DN005 | 13:09 | 1.00 | | 0.1870 | | | 0.031 | |
| 82 | DN006 | 13:11 | 1.00 | | 0.9770 | | | 0.163 | |
| 83 | DN008 | 13:12 | 1.00 | | 0.4390 | | | 0.073 | |
| 84 | DN009 | 13:14 | 1.00 | | 0.0130 | | | ND | |
| 85 | DN01A | 13:16 | 1.00 | | 0.4860 | | | 0.081 | |
| 86 | DN01C | 13:18 | 1.00 | | 0.1840 | | | 0.031 | |
| 87 | DN01D | 13:20 | 1.00 | | 0.3980 | | | 0.066 | |
| 88 | DN01F | 13:22 | 1.00 | | 0.2170 | | | 0.036 | |
| 89 | DN01G | 13:24 | 1.00 | | 0.1310 | | | 0.022 | |
| 90 | CCV5 | 13:26 | 1.00 | | 5.1300 | 103 | | | |
| 91 | CCB5 | 13:28 | 1.00 | | -0.0720 | | | ND | |
| 92 | DN01J | 13:30 | 1.00 | | 0.3340 | | | 0.056 | |
| 93 | CCV | 13:32 | 1.00 | | 4.9300 | 99 | | | |
| 94 | CCB | 13:33 | 1.00 | | 0.0190 | | | ND | |
| 95 | CCV | 15:07 | 1.00 | | 4.9400 | 99 | | | |
| 96 | CCB | 15:09 | 1.00 | | -0.0880 | | | ND | |
| 97 | DNRC2 | 15:11 | 1.00 | | 0.2490 | | | 0.042 | |
| 98 | CCV | 15:13 | 1.00 | | 4.9000 | 98 | | | |
| 99 | CCB | 15:15 | 1.00 | | -0.0970 | | | ND | |
| 100 | | | | | | | | | |

Analyst: JGA QC Reviewer:

*** Standard: 1 Rep: 1 Seq: 0 09:36:31 02 Nov 2000 HG

Hg .000 ppb 300

*** Standard: 2 Rep: 1 Seq: 1 09:38:20 02 Nov 2000 HG

Hg .200 ppb 23120

*** Standard: 3 Rep: 1 Seq: 2 09:40:11 02 Nov 2000 HG

Hg .500 ppb 25055

Ref. 11/02/00

*** Standard: 1 Rep: 1 Seq: 3 09:42:20 02 Nov 2000 HG

Hg .000 ppb -920

*** Standard: 2 Rep: 1 Seq: 4 09:44:10 02 Nov 2000 HG

Hg .200 ppb 10476

09:46:03 02 Nov 2000 Folder: HG01102A Protocol: HG-A Page 37

| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Standard: 3 Rep: 1 Seq: 5 09:46:03 02 Nov 2000 HG

Hg .500 ppb 27152

*** Standard: 4 Rep: 1 Seq: 6 09:48:01 02 Nov 2000 HG

Hg 1.00 ppb 53308

*** Standard: 5 Rep: 1 Seq: 7 09:50:05 02 Nov 2000 HG

000491

Hg 5.00 ppb 244811

*** Standard: 6 Rep: 1 Seq: 8 09:52:05 02 Nov 2000 HG

Hg 10.0 ppb 475051

RunProt: HG-A | Err: Prep needs maintenance | Mode: Analyze

RunFold: HG01102A Seq: 9 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

Rev: 4.2 09:57:41 02 Nov 2000 Xmit: Off Gas: 0.70 LPM

Idle None User: JGA A/S: On

CALIBRATION: Line proto: HG-A

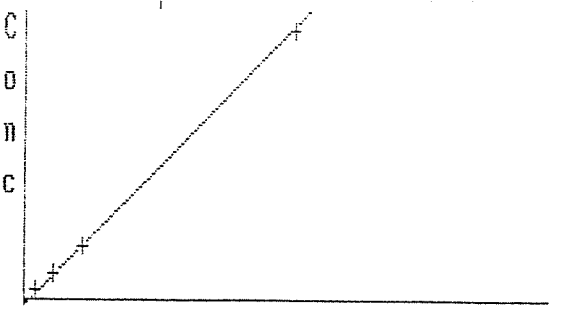
| | Hg Conc. | Calc. | Dev. | Accepted ->linear |
|---|---|---|---|---|
| S1 | .000 | -.078 | -.078 | Quadratic |
| S2 | .200 | .162 | -.038 | Wtdlinear |

000492

| | | | | |
|---|---|---|---|---|
| S3 | .500 | .513 | .013 | |
| S4 | 1.00 | 1.06 | .064 | Accept |
| S5 | 5.00 | 5.10 | .096 | |
| S6 | 10.0 | 9.94 | -.057 | |

A .0000000 r .999849

B 2.10547e-5 C -5.86177e-2




| | Mean | | | |
|---|---|---|---|---|
| S1 | -920 | 0 | SD | -920 |
| S2 | 10476 | 0 | %RSD | 10476 |
| S3 | 27152 | 0 | %RSD | 27152 |
| S4 | 53308 | 0 | %RSD | 53308 |
| S5 | 244811 | 0 | %RSD | 244811 |
| S6 | 475051 | 0 | %RSD | 475051 |

New cal coefficients stored

Folder: HG01102A Page 98

09:59:23 02 Nov 2000 Protocol: HG-A

| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: ICV Seq: 9 09:59:23 02 Nov 2000 HG

Hg 2.69 ppb .000 2.69

*** Sample ID: ICB Seq: 10 10:01:30 02 Nov 2000 HG

Hg -.045 ppb .000 -.045

*** Sample ID: DNOTG Seq: 11 10:03:27 02 Nov 2000 HG

Hg .035 ppb .000 .035

*** Sample ID: DNOTK Seq: 12 10:05:32 02 Nov 2000 HG

Hg .222 ppb .000 .222

*** Sample ID: DN2WQB Seq: 13 10:07:17 02 Nov 2000 HG

Hg -.039 ppb .000 -.039

*** Sample ID: DN2WQC Seq: 14 10:09:12 02 Nov 2000 HG

Hg 5.09 ppb .000 5.09

*** Sample ID: DNRCJ Seq: 15 10:10:59 02 Nov 2000 HG

Hg .083 ppb .000 .083

*** Sample ID: DNRCJS Seq: 16 10:12:57 02 Nov 2000 HG

Hg .994 ppb .000 .994

*** Sample ID: DNRCJD Seq: 17 10:14:53 02 Nov 2000 HG

Hg 1.02 ppb .000 1.02

*** Sample ID: DNRCN Seq: 18 10:16:42 02 Nov 2000 HG

Hg -.001 ppb .000 -.001

*** Sample ID: DNRCQ Seq: 19 10:18:29 02 Nov 2000 HG

Hg -.017 ppb .000 -.017

*** Sample ID: DNRCR Seq: 20 10:20:16 02 Nov 2000 HG

Hg .145 ppb .000 .145



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: CCV3 Seq: 21 10:22:04 02 Nov 2000 HG

Hg 5.08 ppb .000 5.08

*** Sample ID: CCB3 Seq: 22 10:23:51 02 Nov 2000 HG

Hg -.069 ppb .000 -.069

*** Sample ID: DNRCW Seq: 23 10:25:47 02 Nov 2000 HG

Hg .066 ppb .000 .066

*** Sample ID: DNRCX Seq: 24 10:27:43 02 Nov 2000 HG

Hg .113 ppb .000 .113

*** Sample ID: DNRCO Seq: 25 10:29:30 02 Nov 2000 HG

Hg .112 ppb .000 .112

*** Sample ID: DNRC1 Seq: 26 10:31:16 02 Nov 2000 HG

Hg -.056 ppb .000 -.056

*** Sample ID: DNRC3 Seq: 27 10:33:12 02 Nov 2000 HG

Hg .088 ppb .000 .088

*** Sample ID: DNRC8 Seq: 28 10:34:59 02 Nov 2000 HG

Hg .186 ppb .000 .186

*** Sample ID: DNRDC Seq: 29 10:37:05 02 Nov 2000 HG

Hg .075 ppb .000 .075

*** Sample ID: DNRDE Seq: 30 10:38:51 02 Nov 2000 HG

Hg .116 ppb .000 .116

*** Sample ID: DNRDG Seq: 31 10:40:38 02 Nov 2000 HG

Hg .184 ppb .000 .184

*** Sample ID: CCV4 Seq: 32 10:42:25 02 Nov 2000 HG

Hg 5.03 ppb .000 5.03



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: CCB4 Seq: 33 10:44:14 02 Nov 2000 HG

Hg -.162 ppb .000 -.162

| | | | |
|---|---|---|---|
| 17 | CCV | 1.0000 | 1.0000 |
| 18 | CCB | 1.0000 | 1.0000 |
| 19 | | 1.0000 | 1.0000 |
| 20 | | 1.0000 | 1.0000 |
| 21 | DNJXM | 1.0000 | 1.0000 |
| 22 | DNJXMS | 1.0000 | 1.0000 |
| 23 | DNJXMD | 1.0000 | 1.0000 |
| 24 | DNJXN | 1.0000 | 1.0000 |
| 25 | CCV6 | 1.0000 | 1.0000 |
| 26 | CCB6 | 1.0000 | 1.0000 |
| 27 | DNJXV | 1.0000 | 1.0000 |
| 28 | DNJXW | 1.0000 | 1.0000 |
| 29 | DNJXO | 1.0000 | 1.0000 |
| 30 | DNJX1 | 1.0000 | 1.0000 |

PgDn

Cup 16 ID: DN01J  Cell down mode Ins to switch

Folder: HG01102A  Page 101

11:13:14 02 Nov 2000  Protocol: HG-A

| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: DN5AHB . Seq: 34 11:13:14 02 Nov 2000 HG

Hg -.054 ppb .000 -.054

*** Sample ID: DN5AHC Seq: 35 11:15:08 02 Nov 2000 HG

090496

Hg 4.95 ppb .000 4.95

*** Sample ID: DNWAP Seq: 36 11:17:16 02 Nov 2000 HG

Hg .199 ppb .000 .199

*** Sample ID: DNWAPS Seq: 37 11:19:00 02 Nov 2000 HG

Hg 1.29 ppb .000 1.29

*** Sample ID: DNWAPD Seq: 38 11:20:45 02 Nov 2000 HG

Hg 1.35 ppb .000 1.35

*** Sample ID: DNWAQ Seq: 39 11:22:31 02 Nov 2000 HG

Hg .125 ppb .000 .125

*** Sample ID: DNWAT Seq: 40 11:24:19 02 Nov 2000 HG

Hg .173 ppb .000 .173

*** Sample ID: DNWAW Seq: 41 11:26:25 02 Nov 2000 HG

Hg .056 ppb .000 .056

*** Sample ID: DNWAX Seq: 42 11:28:40 02 Nov 2000 HG

Hg .109 ppb .000 .109

*** Sample ID: CCV1 Seq: 43 11:30:34 02 Nov 2000 HG

Hg 5.05 ppb .000 5.05

*** Sample ID: CCB1 Seq: 44 11:32:29 02 Nov 2000 HG

Hg -.134 ppb .000 -.134

*** Sample ID: DNWAO Seq: 45 11:34:24 02 Nov 2000 HG

Hg .136 ppb .000 .136



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: DNWA1 . Seq: 46 11:36:09 02 Nov 2000 HG

Hg .082 ppb .000 .082

*** Sample ID: DNWA2 Seq: 47 11:37:52 02 Nov 2000 HG

Hg .211 ppb .000 .211

*** Sample ID: DNWA3 Seq: 48 11:40:00 02 Nov 2000 HG

Hg .109 ppb .000 .109

*** Sample ID: DNWA4 Seq: 49 11:41:43 02 Nov 2000 HG

Hg .161 ppb .000 .161

*** Sample ID: DNWA5 Seq: 50 11:43:40 02 Nov 2000 HG

Hg .107 ppb .000 .107

*** Sample ID: DNWA6 Seq: 51 11:45:26 02 Nov 2000 HG

Hg .251 ppb .000 .251

*** Sample ID: DNWA8 Seq: 52 11:47:13 02 Nov 2000 HG

Hg .066 ppb .000 .066

*** Sample ID: DNWA9 Seq: 53 11:49:00 02 Nov 2000 HG

Hg .038 ppb .000 .038

*** Sample ID: CCV2 Seq: 54 11:50:46 02 Nov 2000 HG

Hg 5.08 ppb .000 5.08

*** Sample ID: CCB2 Seq: 55 11:52:33 02 Nov 2000 HG

Hg -.055 ppb .000 -.055

*** Samole ID: DNWCJ Seq: 56 11:54:16 02 Nov 2000 HG

Hg -.042 ppb .000 -.042

*** Sample ID: DNWCK Seq: 57 11:56:11 02 Nov 2000 HG

Hg .017 ppb .000 .017



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: DNWCP Seq: 58 11:57:57 02 Nov 2000 HG

Hg .102 ppb .000 .102

*** Sample ID: DNWCX Seq: 59 11:59:44 02 Nov 2000 HG

Hg -.007 ppb .000 -.007

*** Sample ID: DNWC2 Seq: 60 12:01:28 02 Nov 2000 HG

Hg .138 ppb .000 .138

*** Sample ID: DNWC6 Seq: 61 12:03:16 02 Nov 2000 HG

Hg -.112 ppb .000 -.112

*** Sample ID: DN6E7B Seq: 62 12:05:02 02 Nov 2000 HG

Hg .058 ppb .000 .058

*** Sample ID: DN6E7C Seq: 63 12:06:49 02 Nov 2000 HG

Hg 4.96 ppb .000 4.96

*** Sample ID: DLGD3 Seq: 64 12:08:44 02 Nov 2000 HG

Hg -.011 ppb .000 -.011

*** Sample ID: DNWDE Seq: 65 12:10:34 02 Nov 2000 HG

Hg .359 ppb .000 .359

*** Sample ID: CCV3 Seq: 66 12:12:18 02 Nov 2000 HG

Hg 5.08 ppb .000 5.08

*** Sample ID: CCB3 Seq: 67 12:14:29 02 Nov 2000 HG

Hg -.124 ppb .000 -.124

*** Sample ID: DNWDES Seq: 68 12:16:19 02 Nov 2000 HG

Hg 1.36 ppb .000 1.36

*** Sample ID: DNWDED Seq: 69 12:18:05 02 Nov 2000 HG

Hg 1.38 ppb .000 1.38



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: DNWDG . Seq: 70 12:19:54 02 Nov 2000 HG

Hg .039 ppb .000 .039

*** Sample ID: DNWDL Seq: 71 12:21:50 02 Nov 2000 HG

Hg .087 ppb .000 .087

*** Sample ID: DNWDN Seq: 72 12:23:40 02 Nov 2000 HG

Hg .310 ppb .000 .310

*** Sample ID: DN00W Seq: 73 12:25:36 02 Nov 2000 HG

Hg .183 ppb .000 .183

*** Sample ID: DN001 Seq: 74 12:27:34 02 Nov 2000 HG

Hg .133 ppb .000 .133

*** Sample ID: DN002 Seq: 75 12:29:22 02 Nov 2000 HG

Hg .072 ppb .000 .072

*** Sample ID: DN003 Seq: 76 13:01:04 02 Nov 2000 HG

Hg .263 ppb .000 .263

*** Sample ID: CCV4 Seq: 77 13:03:11 02 Nov 2000 HG

Hg 4.87 ppb .000 4.87

*** Sample ID: CCB4 Seq: 78 13:05:08 02 Nov 2000 HG

Hg -.076 ppb .000 -.076

*** Sample ID: DN004 Seq: 79 13:07:20 02 Nov 2000 HG

Hg .243 ppb .000 .243

*** Sample ID: DN005 Seq: 80 13:09:17 02 Nov 2000 HG

Hg .187 ppb .000 .187

*** Sample ID: DN006 Seq: 81 13:11:04 02 Nov 2000 HG

Hg .977 ppb .000 .977



| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|

*** Sample ID: DN008 . Seq: 82 13:12:54 02 Nov 2000 HG

Hg .439 ppb .000 .439

*** Sample ID: DN009 Seq: 83 13:14:52 02 Nov 2000 HG

Hg .013 ppb .000 .013

*** Sample ID: DN01A Seq: 84 13:16:40 02 Nov 2000 HG

Hg .486 ppb .000 .486

*** Sample ID: DN01C Seq: 85 13:18:39 02 Nov 2000 HG

Hg .184 ppb .000 .184

*** Sample ID: DN01D Seq: 86 13:20:28 02 Nov 2000 HG

Hg .398 ppb .000 .398

*** Sample ID: DN01F Seq: 87 13:22:18 02 Nov 2000 HG

Hg .217 ppb .000 .217

*** Sample ID: DN01G Seq: 88 13:24:29 02 Nov 2000 HG

Hg .131 ppb .000 .131

*** Sample ID: CCV5 Seq: 89 13:26:17 02 Nov 2000 HG

Hg 5.13 ppb .000 5.13

*** Sample ID: CCB5 Seq: 90 13:28:17 02 Nov 2000 HG

Hg -.072 ppb .000 -.072

*** Sample ID: DN01J Seq: 91 13:30:10 02 Nov 2000 HG

Hg .334 ppb .000 .334

*** Sample ID: CCV Seq: 92 13:32:00 02 Nov 2000 HG

Hg 4.93 ppb .000 4.93

*** Sample ID: CCB Seq: 93 13:33:51 02 Nov 2000 HG

Hg .019 ppb .000 .019

| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|
| *** Sample ID: CCV | | | | | Seq: 94 | 15:07:49 02 Nov 2000 HG | | |
| Hg | 4.94 | ppb | .000 | 4.94 | | | | |
| *** Sample ID: CCB | | | | | Seq: 95 | 15:09:39 02 Nov 2000 HG | | |
| Hg | -.088 | ppb | .000 | -.088 | | | | |
| *** Sample ID: DNRC2 | | | | | Seq: 96 | 15:11:31 02 Nov 2000 HG | | |
| Hg | .249 | ppb | .000 | .249 | | | | |
| *** Sample ID: CCV | | | | | Seq: 97 | 15:13:22 02 Nov 2000 HG | | |
| Hg | 4.90 | ppb | .000 | 4.90 | | | | |
| *** Sample ID: CCB | | | | | Seq: 98 | 15:15:25 02 Nov 2000 HG | | |
| Hg | -.097 | ppb | .000 | -.097 | | | | |

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 11/01/00
Time: 11:37:39

BATCH NUMBER: 0306301

PREP DATE: 11/01/00
DUE DATE 10/09/00

INITIALS: JB

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|---|
| E0J030233 | DLGD3 | 01 | _____g | X | 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 10/09/00 | | | | |
| E0J260321 | DNWDE | 01 | _____g | X | 0.61 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/01/00 | | | | |
| | DNWDES | | _____g | | 0.61 g | _____g | _____g |
| | DNWDED | | _____g | | 0.61 g | _____g | _____g |
| E0J260321 | DNWDG | 01 | _____g | X | 0.59 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/01/00 | | | | |
| E0J260321 | DNWDL | 01 | _____g | X | 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/01/00 | | | | |
| E0J260321 | DNWDN | 01 | _____g | X | 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/01/00 | | | | |
| E0J270318 | DN00W | 01 | _____g | X | 0.61 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | | |
| E0J270318 | DN001 | 01 | _____g | X | 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | | |
| E0J270318 | DN002 | 01 | _____g | X | 0.59 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | | |
| E0J270318 | DN003 | 01 | _____g | X | 0.61 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | | |
| E0J270318 | DN004 | 01 | _____g | X | 0.59 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | | |
| E0J270318 | DN005 | 01 | _____g | X | 0.61 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | | |
| E0J270318 | DN006 | 01 | _____g | X | 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | | |
| E0J270318 | DN008 | 01 | _____g | X | 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | | |
| E0J270318 | DN009 | 01 | _____g | X | 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | | |

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 11/01/00
Time: 11:37:39

BATCH NUMBER: **0306301**

PREP DATE: 11/01/00
DUE DATE 10/09/00

INITIALS: JL

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|
| E0J270318 | DN01A | 01 | _____g | X 0.61 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |
| E0J270318 | DN01C | 01 | _____g | X 0.59 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |
| E0J270318 | DN01D | 01 | _____g | X 0.60 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |
| E0J270318 | DN01F | 01 | _____g | X 0.61 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |
| E0J270318 | DN01G | 01 | _____g | X 0.59 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |
| E0J270318 | DN01J | 01 | _____g | X 0.61 g | _____g | _____g |
| SOLID | TO DUE DATE: | | 11/02/00 | | | |
| E0K010000 | DN6E7B | 01 | _____g | X 0.00 g | _____g | _____g |
| SOLID | DUE DATE: | | 0/00/00 | | | |
| | DN6E7C | | _____g | 0.62 g | _____g | _____g |

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

# *Précis*

## Metals Preparation

Batch: 0306501

The following information applies to all samples associated with the above batch number.

Prepared By: _____ Date/Time Initiated: 11/01/00 / 1500

Reviewed By: _____ Date/Time Completed: _____ / 1530

Water Bath # 6 Temp* 95 °C Thermometer # ~~M-H-01~~ FP-1181

*Thermometer correction applied. (CF + ~~2~~ 0.0°C) 11/02/00

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

| | *Volume | Lot # | Exp. Date |
|---|---|---|---|
| 1. Hg Cal (MS) | 1 mL | Hg-060800 | 05/2002 |
| 2. Hg Cal (LCS) | 5 mL | Hg-060800 | 05/2002 |
| 3. Hg ICV | 0.5 mL | Hg-061300 | 07/2001 |

| Preparation Reagents | Volume | Lot # | Analysis Reagents | Volume | Lot# |
|---|---|---|---|---|---|
| *$HNO_3$ | 1.25 mL | 6623 T09A05 | $NH_2OH$-HCl+ | 6.0 mL | 995700+ |
| *HCl | 3.75 mL | 5587 N41A07 | NaCl | | 995717 |
| $KMnO_4$ | 15 mL | 995929 | $SnCl_2$ + | Controlled by | 005668+ |
| $K_2S_2O_8$ | 8.0 mL | 997008 | HCl | instrument | 5587 N41A07 |

* 3 HCl : 1$HNO_3$ as Aqua Regia

**SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96**

**Method 7471A/245.5**

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
**Samples**-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of $NH_2OH$-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
**Samples**- Add 55 mL of DI water and mix.

**Standards to be prepared with each batch**

To each standard add DI water for a total vol. of 10 mL

| Standard | Concentration (mg/L) |
|---|---|
| Std. 0/ICB/CCB | 0 |
| Std. 1 | 0.0002 |
| Std. 2 | 0.0005 |
| Std. 3 | 0.001 |
| Std. 4/CCV | 0.005 |
| Std. 5 | 0.010 |
| ICV | 0.0025 |

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: _____ Date: 11/01/00 Received By: _____ Date: 11/02/00

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10/20/00



BOE-C6-0163926

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 17:05:42

BATCH NUMBER: 0305448

PREP DATE: 11/01/00
DUE DATE 11/01/00

INITIALS: JP

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|
| E0J260321 SOLID | DNWAP TO DUE DATE: 11/01/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| | DNWAPS | | _____g | 0.60 g | _____g | _____g |
| | DNWAPD | | _____g | 0.60 g | _____g | _____g |
| E0J260321 SOLID | DNWAQ TO DUE DATE: 11/01/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J260321 SOLID | DNWAT TO DUE DATE: 11/01/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J260321 SOLID | DNWAW TO DUE DATE: 11/01/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J260321 SOLID | DNWAX TO DUE DATE: 11/01/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J260321 SOLID | DNWA0 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J260321 SOLID | DNWA1 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J260321 SOLID | DNWA2 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J260321 SOLID | DNWA3 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J260321 SOLID | DNWA4 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J260321 SOLID | DNWA5 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.59 g | _____g | _____g |
| E0J260321 SOLID | DNWA6 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.60 g | _____g | _____g |
| E0J260321 SOLID | DNWA8 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.61 g | _____g | _____g |
| E0J260321 SOLID | DNWA9 TO DUE DATE: 11/01/00 | 01 | _____g | X 0.59 g | _____g | _____g |

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 17:05:42

BATCH NUMBER: **0305448**

PREP DATE: 11/01/00
DUE DATE 11/01/00

INITIALS: JP

| LOT NUMBER | WORK ORDER | QC | ICP/WEIGHT | HG/WEIGHT | GFA/WEIGHT | FLA/WEIGH |
|---|---|---|---|---|---|---|
| E0J260321 SOLID | DNWCJ TO DUE DATE: | 01 | _____g 11/01/00 | X 0.59 g | _____g | _____g |
| E0J260321 SOLID | DNWCK TO DUE DATE: | 01 | _____g 11/01/00 | X 0.61 g | _____g | _____g |
| E0J260321 SOLID | DNWCP TO DUE DATE: | 01 | _____g 11/01/00 | X 0.59 g | _____g | _____g |
| E0J260321 SOLID | DNWCX TO DUE DATE: | 01 | _____g 11/01/00 | X 0.61 g | _____g | _____g |
| E0J260321 SOLID | DNWC2 TO DUE DATE: | 01 | _____g 11/01/00 | X 0.61 g | _____g | _____g |
| E0J260321 SOLID | DNWC6 TO DUE DATE: | 01 | _____g 11/01/00 | X 0.60 g | _____g | _____g |
| E0J310000 SOLID | DN5AHB DUE DATE: | 01 | _____g 0/00/00 | X 0.60 g | _____g | _____g |
| | DN5AHC | | _____g | 0.62 g | _____g | _____g |

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

# *Précis*

## Metals Preparation

Batch: 0305448

The following information applies to all samples associated with the above batch number.

Prepared By: [signature] Date/Time Initiated: 11/1/00 / 1400

Reviewed By: [signature] Date/Time Completed: 11/1/00 / 1430

Water Bath # 6 Temp* 95 °C Thermometer ~~# M-H-01~~ FP-1181

*Thermometer correction applied. (CF +~~2~~0.0°C) 11/02/00 [signature]

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

| | *Volume | Lot # | Exp. Date |
|---|---|---|---|
| 1. Hg Cal (MS) | 1 mL | Hg-060800 | 05/2002 |
| 2. Hg Cal (LCS) | 5 mL | Hg-060800 | 05/2002 |
| 3. Hg ICV | 0.5 mL | Hg-061300 | 07/2001 |

**Preparation**

| Reagents | Volume | Lot # |
|---|---|---|
| *$HNO_3$ | 1.25 mL | 6623 T09A05 |
| *HCl | 3.75 mL | 5587 N41A07 |
| $KMnO_4$ | 15 mL | 995929 |
| $K_2S_2O_8$ | 8.0 mL | 997008 |

* 3 HCl : 1$HNO_3$ as Aqua Regia

**Analysis**

| Reagents | Volume | Lot# |
|---|---|---|
| $NH_2OH$-HCl+ NaCl | 6.0 mL | 995700+ 995717 |
| $SnCl_2$ + HCl | Controlled by instrument | 005668+ 5587 N41A07 |

**SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96**

**Method 7471A/245.5**

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
**Samples**-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of $NH_2OH$-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
**Samples**- Add 55 mL of DI water and mix.

**Standards to be prepared with each batch**

To each standard add DI water for a total vol. of 10 mL

| Standard | Concentration (mg/L) |
|---|---|
| Std. 0/ICB/CCB | 0 |
| Std. 1 | 0.0002 |
| Std. 2 | 0.0005 |
| Std. 3 | 0.001 |
| Std. 4/CCV | 0.005 |
| Std. 5 | 0.010 |
| ICV | 0.0025 |

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 11/02/00 Received By: [signature] Date: 11/02/00

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10/20/00