To: (Abe) concla patreleve PRojet no. TEC-003 OATE June t/7s.
File No 8-139


MHFEN Laboratories Ltd.



| Amoco Canada |  |  |  |  | - |  |  |  |  |  |  |  |  | $8-139$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $78 \mathrm{C}-003$ |  |  |  |  |  |  |  |  | Ltd. |  |  |  |  | DATE: | June |
| ATTENTION: | W. Melynk |  |  |  | 705 WEST i5th ST., NORTH VANCOUVER, B.C. V7M 1 IT2 |  |  |  |  |  |  |  |  | 1978. |  |
|  Sample. <br>  <br> Number <br> 81 86 | $\begin{aligned} & \hline 10 \\ & \mathrm{Mo} \\ & \mathrm{ppm} \\ & \hline 90 \end{aligned}$ |  | $\begin{array}{\|cc\|} \hline \hline & 20 \\ \mathrm{~Pb} & \\ \mathrm{ppm} & \\ & 100 \end{array}$ | $\begin{array}{\|cc\|} \hline \hline & 25 \\ \mathrm{Zn} & \\ \mathrm{ppm} & \\ & 105 \\ \hline \end{array}$ | $\begin{array}{\|cc\|} \hline & 30 \\ \mathrm{Ni}^{2} & \\ \mathrm{pDm} & \\ & 10 \end{array}$ | $\begin{array}{cc} \hline \mathrm{Co}^{35} \\ \mathrm{ppm} & \\ & 115 \end{array}$ | $$ | $\begin{array}{cc} \hline & 45 \\ \mathrm{Fe} & \\ \mathrm{ppm} & \\ & 125 \\ \hline \end{array}$ | $\begin{array}{ll} \hline & 50 \\ \mathrm{Hg} & \\ \mathrm{ppb} & \\ & 130 \end{array}$ | $\begin{array}{ll} \hline & 55 \\ \text { As } & \\ \text { ppm } & \\ & 135 \end{array}$ | $\begin{array}{cc} \hline{ }^{60} \\ \mathrm{Mn} \\ \mathrm{ppm} \\ 140 \end{array}$ | $\mathrm{Au}^{2}$ 65 <br> ppb  <br>  145 | $\begin{aligned} & W^{70} \\ & \text { pp m }_{150} \end{aligned}$ | 75 155 | 80 160 |
| 800102 | : 4 | 167 | 11 | L.1. | 1 1 1 1 | 1.1 .1 | 11. |  | 1 1 : | $1+1$ | 1. | - . | 1.7 | 1.1 | 11 |
| 103 | $1+15$ | +13 | 1.11 | $1 \times 1$ ! | 11: | 11.11 | , 0.7 | 11.1 | 1111 | 1.1 | 1111 | 11 | 1 1 : 1 | 1 | 1 |
| 80010.4 | 1. 12 | 113 | 1-1 | i_i.i. | 1,1 | $1+$ | 10.9 | , | 1, 1 | 1.1 | 1.1 | 1.1 | 18 |  | -1 |
| 1: 1 1 | 111 | 1111 | 1111 | 111 | 1 1: | 1 1 1 | 1.1 | 1.1 | 1: 1 1 | 1111 | : 1: 1 | 1 1.1 | 111 | 111. | 1111 |
| - $\quad 1$ | 1 | , |  | + |  |  | - |  |  |  |  |  | 1. |  |  |
| 11111 | 111 | 1111 | +1.1 | 1.1 | 1.1.1 | $1+1$ | 1.1 | 1.1 | 1 1 1 | 1.1 | 1...1 | 1.1 | 111 | 1.1.1 | 1.11 |
| 1:1: | 1: 1 | 1 1 : | 1111 | 1111 | 1.11 | i_1. | I | 」-1 | 1 1 1 1 | 1.11 | 1111 | 1.1.1 | 11 | 1 | 1 |
| 1111 | $\pm 11$ | 1111 | 1-1.1 | $1 \times 1$ | 1.111 | $1+11$ | , i | 1 | $1 \quad 1$ | 11 | ! 1 ! | $1+$ | 1: | 111 | $1+1$ |
| -1!111 | 111 | 111 | -1.1 | 1111 | 1111 | $1+1$ | 1.1 | 1.1 | 11 |  | 1.1.1 | 1.1 | 1.1 .1 | +1.1 | 1 |
| 1.1.1. | 1.1 | $\xrightarrow{1}$ | + | +1 | - |  | - |  |  |  |  |  | 1 |  |  |
| 11111 | 1 1 1 | 111 | 1 1.11 | $1+1$ | 1.1.1. | $1+1$ | $1 . i$ | 1.1 | 1111 | 1.11 | 1 1.1. | 1.1 | 11 | 1 1 1 1 | 1.1 |
| 11111 | 111 | 1111 | 1111 | 1.11 | 1 1 1 1 | 1111 | 11. | 1.1 .1 | 1111 | 1 1 1 | $1 \quad 1 \quad 1$ | 1 1 1 | -1 1 1 | i. i 1 1 | 111 |
| 111111 | 111 | 1111 | 1111 | 1111 | 111. | 11.1 | 1, i | $1 \times 1$ | 1111 | 1111 | 1 1 1 1 | 1-1.1 | $1 \mathrm{i}, 1$ | 1 | 111 |
| 111111 | 111 | 1 1 1 1 | 1 1 1 1 | $1 \times 1$ | 1.11 | $1 \ldots 1$ | 1 1 i | 1111 | 1 1 1 1 | 1111. | 1111 | 1111 | 1 1 1 1 | 1.1: | 1.11 |
| 1 | +1.1 | - | 1 | 1 |  |  | - |  | +1. |  | 1 |  | 1 |  |  |
| 11111 | 111 | 1 1 1 1 | 1 1 1 1 | 1.11 | 1111 | 1.1 | 1 i ${ }^{\text {i }}$ | 111 | 1111 | 1.11 | 1111 | $1 \quad 1 \quad 1$ | 1 1 1 1 | 1111 | 11 |
| 1 1 1 1 1 | 111 | +111 | 11.1 | L+11 | L L 1 | +1. | 1 | L + | 1.1. 1 | 1.1 | 1.1 .1 | $\downarrow$ | 1.11 | -1. 1 | 11 |
| 11111 | 111 | $1+1$ | -1_L | 1.1: | $11+1$ | 1.1 | - | 1.1 | 1.1 | 1 | 111. | 1 | 1.1 | L1_1 | 11 |
| 1:1:1 | 111 | +111 | 1,11 | 1111 | +1. | 1 1 1 1 | 11. | 1-1 | 1111 | - + | 1111 | 111 | 111 | 1.1.1 | 1 |
| 1 | 1 | 1 |  | + | 1 | +1 | - |  |  |  | 1 |  | 1 |  |  |
| $\underline{-111111}$ | 111 | 1111 | 1111 | 1 1 1 | 1 1.1. | 1.11 | 1.1i | 1.1 | 1.1 | + + | 1.1 .1 .1. | 1 | 1111 | 1.1. | 111 |
| 1: 1: | 1 1 1 | $\underline{1111}$ | 1 1 1 1 | +11.1 | 11.11 | $1+1$ | $11 . i$ | 111 | 1 1.1. | 1.11 | 11.1 | 111 | 1! 1 | 1 1 1 1 | 11111 |
| 11111 | 111 | 1111 | 1111 | $1+1$ | 1111 | 1.11 | 1, i | 1 L | 1 1 1 1 | 1.11 | 1111 | 111.1 | 1.11 | 1111 | 1111 |
| 1.1111 | 111 | - 1 1 1 | 1111 | - 1 1 | 1111 | 1 | 1.1 | 1 | 111. | 1.1 | 11.1 | 11 | 111 | 11 | 1-1 |
| +1 | 1 | 1 |  | 1 |  |  | - |  |  |  |  |  |  |  |  |
| 111.11 | 1.11 | $\ldots 1+1$ | 1,11 | - L $\llcorner$ | +1.1 | 1.1 | - | 1 | 1.1.1 | 111 | 1 1 1 1 | 11 | - L_ + | 1.1 | 1.1 |
| 1.1111 | 111 | +111 | 1111 | $1+11$ | $1 \ldots 1$ | - L_ | - | 1 | 111 | 1. | -.11. | 1. | 111 | 1 | 1. |
| 111111 | 1 1 1 | 1111 | 1111 | 1111 | 1111 | $1+1$ | $11{ }^{\circ}$ | 1.1. | -11: | - 1 1... | 1:1.1 | 1 1 1 1 | 111 | -1 । | 1111 |
| 11111 | 111 | -1 1 | 1111 | 1.1 .1 | $11+1$ | 1.11 | 1.1 | $1.1+1$ | 1.1.1 | $1 \cdot 1$ | 1-1.1 | 111. | 11 | $1+1$ | 1.1 |
| 1 | 1 | 1 | 1 | 1 | +ـ1 | 1 | $\bullet$ |  | 1 |  |  |  |  | 1 | 1-1 |






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(No. 8-139 DATE: June 8, 1978.

|  | $\begin{aligned} & \hline \hline \mathrm{Mo}^{10} \\ & \mathrm{ppm} \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{array}{ll} \hline \mathrm{Cu}^{15} \\ \mathrm{Cpm} \\ \hline \end{array}$ | $\begin{aligned} & { }^{20} \\ & { }^{\mathrm{Pb}}{ }^{\mathrm{ppm}} \end{aligned}$ |  | $\begin{aligned} & \mathrm{Ni}^{30} \\ & \mathrm{pom} \\ & \end{aligned}$ | $\begin{gathered} \mathrm{co}^{35} \\ \mathrm{ppm} \\ \quad 115 \\ \hline \end{gathered}$ | $\begin{gathered} { }^{\text {Ag }}{ }^{40} \\ \text { ppm } \\ 120 \end{gathered}$ | ${ }_{\substack{\mathrm{Fem} \\ 125}}^{45}$ | $\begin{array}{ll} \hline & 50 \\ \mathrm{Hg} \\ \mathrm{ppb} \\ & \\ \hline \end{array}$ | $\begin{aligned} & { }^{\text {As }}{ }^{55} \\ & \text { ppm } \\ & \hline 135 \\ & \hline \end{aligned}$ | $$ | $\begin{array}{cc} \hline{ }^{\text {Au }} \begin{array}{c}  \\ \mathrm{ppb} \end{array} \\ \hline & 145 \\ \hline \end{array}$ |  | 75 155 | 80 160 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 803036 | -2 | 127 | 1.1 | 1.1! | 11.1 | $1+1$ | 10 |  | U |  | 1.1 | 11. | 111 |  |  |
| $\begin{array}{r}137 \\ \hline \quad 3\end{array}$ | 12 | + 2.4 |  | 1+1 | $1:$ | 1 | 14 |  |  |  | 1.11 |  | 111 |  |  |
| $\begin{array}{r}138 \\ \hline \quad 38\end{array}$ | $\begin{array}{r}1 \\ \hline\end{array}$ | + 1.6 | 1 |  |  |  | $1 \cdot 3$ |  |  |  |  |  |  |  |  |
| $\begin{array}{r}1 \\ \hline 139 \\ \hline\end{array}$ | 1.13 | 1114 | 111 | 11. | 1 | - 1 | 18 |  | 1 |  | ! 1 1 |  | 4 |  |  |
| - 40 | 1 | 17 |  |  |  |  | 10 |  |  |  |  |  |  |  |  |
| 1.41 | 1.2 | +15 |  | 1. |  |  | 0.9 |  |  |  |  |  | $1+5$ |  |  |
| 1-42 | -1 | +16 |  |  | 1 |  | 111 |  |  |  | -1, |  | 1 | . | , |
| 1.:43 | 11 | 1. 12 |  | 1 11 |  | -1 | 0.9 |  |  |  | 1. |  | 1.7 |  |  |
| 144 | 12 | $\begin{array}{r}1 \\ 1 \\ \hline 13\end{array}$ |  | $\square$ |  |  | 15 |  |  |  | 1.1 |  | 1.1. |  |  |
| 14.5 | + 2 | $\begin{array}{r}1 \\ +3.7 \\ \hline\end{array}$ | 1 | 1 |  |  | 14 |  | ! |  |  |  | 16 |  |  |
| 1146 | 1. 4 | $1 \begin{array}{r}1.4 \\ \hline\end{array}$ | 1 | $1+1$ | 11 | 1.11 | 15 |  |  |  |  | い | 1: | - | 1 |
| 1.47 | 113 | 136 | 111 | 111 | L | 1 | 13 | 1 | 111 | , | 1111 | 1111 | $1: 8$ | $\ldots$ | 11 |
| 11148 | 1.13 | 120 | , , 1 | 11. | 1 1 1 | 1 1 1 ! | 11 | 11 | 11.1 | 1 1 1 | 1111 |  | -11 |  |  |
| 1.49 | 112 | 1-1,9 | 11 | 1 | i 1 ! | $1 \sim 1$ | 11. | 11 | 1 1 1 1 | 1 | 111 | 11. | 1.7 | 11:1 | : |
| 1. 50 | 2 | - 3.4 |  |  |  |  | 19 |  |  |  |  |  |  |  |  |
| -1.1.51 | 1.11 | 1 2.3 | 11 | 11 | 11 |  | 10 |  | 11. | 11 | $!1$ | 111 | +1.10 |  | 1 |
| 1.52 | 1.2 | 136 |  | -1 | . 1 | -1 1 | 10 |  |  |  | 11. |  | 111 |  |  |
| 1153 | 1.12 | 1 +1.1 | 1 | L.1. | 111 |  | 1.5 |  |  |  |  |  | 111 |  |  |
| 1 $1 \quad 54$ | 1.2 | +136 |  | 1 |  |  | 10 |  |  |  | 111 |  | 11 |  |  |
| - 5.5 | 1 | - 30 |  |  |  |  | 1.2 |  |  |  |  |  | 4 |  |  |
| $\square 56$ | 11 | -129 |  | $1+1$ |  |  | 1.1 |  |  |  | 1. |  | 1 |  |  |
| 157 | 1, 2 | $\begin{array}{r}1 \\ 1 \\ \hline\end{array}$ |  | 11 | 11 | $1+1$ | $1 \cdot 3$ |  | 1 | $1+1$ | 1. |  | 1,4 |  |  |
| 1 1 | 1.4 | 123 | - | -11 | 111 | 11 | 0,8 |  | - |  | 11 |  | 1. |  |  |
| 1. 59 | 1.4 | - 24 |  | 11 |  |  | 08 |  |  |  | 1 11 |  | 12 |  |  |
| + 6.0 | 5 | 128 |  |  |  |  | 0,9 |  |  |  |  |  |  |  |  |
| 1.61 | 4 | 22 |  |  |  |  | 13 |  |  |  |  |  | 9 |  |  |
| . 62 | 3 | 1.9 |  |  |  |  | 11 |  |  |  |  |  |  |  |  |
| 1.63 | 1, 2 | +1.4 |  | 1 |  |  | 0.5 |  |  |  |  |  | 6 |  |  |
| 6.4 | 2 | +19 |  |  |  | 1 | 0.7 |  |  |  |  |  |  |  |  |
| $8,0,3,0,6,5$ | 1. | -1,8 |  |  |  |  | 0,9 |  |  |  |  |  | 10 |  |  |

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