

MCB CAMP LEJEUNE

SAMPLING DATA
FOR SITE INSPECTIONS AT SITES
3, 7, 43, 44, 54, 63, 65, 80, and 82

Submitted 13 November 1991

Enclosure (1)

01.06 - 11/13/91 - 00193

BACKGROUND SOIL
CHEMICAL ANALYTICAL RESULTS

SITE 3
OLD CREOSOTE PLANT
CHEMICAL ANALYTICAL RESULTS

SITE 3
SOIL DATA

SITE 80
SOIL DATA

BLANKS

CHEMICAL ANALYTICAL DATA

HERBICIDE ANALYSIS (ug/L)
SITE: CAMP LEJEUNE - RINSATE BLANKS
CASE: 5075/5005

SAMPLE LOCATION: 82SW06-R
SAMPLE NUMBER:
QC DESIGNATION: CRQL

| | | |
|---------|-----|----|
| 2,4-D | 0.2 | NA |
| SILVEX | 0.2 | NA |
| 2,4,5-T | 0.2 | NA |
| DINOSEB | 0.2 | NA |

DILUTION FACTOR:
DATE SAMPLED:
DATE EXTRACTED:
DATE ANALYZED:
ASSOCIATED BLANKS:

Agar S : Metals in Soil (cont.)

| BAYER SAM ^e SAMPLE # CONCENTR. VALIDATED | 43MW0100 | 43MW0100 | 43MW0200 | 43MW0202 |
|--|--------------------|--------------------|--------------------|--------------------|
| | Soil ug/KG I | Soil ug/KG I | Soil ug/KG I | Soil ug/KG I |
| Aluminum | 3810 | 3720 | 2880 | 4550 |
| Antimony | 7.5 U | 7.6 U | 7.3 U | 8 U |
| Arsenic | 1.1 U | 1.1 U | 1.1 U | 1.2 U |
| Barium | 11.8 U | 10.2 U | 5.7 U | 9.0 U |
| Beryllium | 0.23 U | 0.23 U | 0.22 U | 0.24 U |
| Cadmium | 0.91 U | 0.92 U | 0.89 U | 0.97 U |
| Calcium | 6720 | 5460 | 93.3 | 68.6 U |
| Chromium | 8.3 | 6.6 | 3.6 | 6.7 |
| Cobalt | 1.4 U | 1.4 U | 1.3 U | 1.5 U |
| Copper | 3.4 | 1.6 | 2.5 | 0.97 U |
| Iron | 2190 | 1800 | 1530 | 1340 |
| Lead | 9.8 | 12.0 | 3.7 | 6.1 |
| Magnesium | 270 | 224 | 95.0 | 176 |
| Manganese | 31.2 | 17.7 | 7.9 | 8.2 |
| Mercury | 0.1 U | 0.1 U | 0.1 U | 0.12 U |

Jones St: Metals in Surface Water

E 3-2 SUMMARY OF TAL INORGANIC DATA ABOVE IDLS

| BAKER SAMPLE NO. | 44SW01 | 44SW02 |
|---------------------|--------|--------|
| SAMPLE MEDIUM | Water | Water |
| CONCENTRATION UNITS | ug/L | ug/L |
| VALIDATED??? | | |
| Aluminum | 6930 | 2860 |
| Antimony | ND | ND |
| Arsenic | 9.3 | ND |
| Barium | 75.5 | 41.7 |
| Beryllium | ND | ND |
| Cadmium | ND | ND |
| Calcium | 60100 | 44500 |
| Chromium | 13.3 | ND |
| Cobalt | ND | ND |
| Copper | 24.0 | 11.1 |
| Iron | 24500 | 8780 |
| Lead | 44.1 | 17.7 |
| Magnesium | 11000 | 7870 |
| Manganese | 104 | 84.6 |
| Mercury | ND | ND |
| Nickel | 9.6 | ND |
| Potassium | 3350 | 2690 |
| Selenium | ND UJ | ND UJ |
| Silver | ND | ND |
| Sodium | 85600 | 60100 |
| Thallium | ND UJ | ND UJ |
| Vanadium | 34.1 | 10.1 |
| Zinc | 153 | 83.0 |
| Cyanide | ND R | ND R |

Jones St. : Pesticides in Soil

| WATER SAMPLE NO. | 445B0500 | 445B0507 | 445B0600 | 445B0608 |
|------------------------|----------|----------|----------|----------|
| CENAPU CHEM SAMPLE NO. | 434352 | 434353 | 434335 | 434351 |
| SAMPLE MEDIUM | Soil | Soil | Soil | Soil |
| CONCENTRATION UNITS | ug/KG | ug/KG | ug/KG | ug/KG |
| VALIDATED??? | | | | |
| 4,4'-DDE | 18 U | 19 U | 18 U | 20 U |
| 4,4'-DDD | 18 U | 19 U | 18 U | 20 U |

Jones St. : Pesticides in Surface Water (SW) and Sediment (SD)

| WATER SAMPLE NO. | 445W01 | 445W02 | 445S01 | 445S02 | 445S02 |
|------------------------|--------|--------|--------|--------|--------|
| CENAPU CHEM SAMPLE NO. | 436825 | 436826 | 436854 | 436428 | 436862 |
| SAMPLE MEDIUM | Water | Water | Soil | Soil | Soil |
| CONCENTRATION UNITS | ug/L | ug/L | ug/KG | ug/KG | ug/KG |
| VALIDATED??? | X | X | X | X | X |
| 4,4'-DDE | 0.1 U | 0.11 U | 1000 J | 140 | 660 J |
| 4,4'-DDD | 0.1 U | 0.11 U | 1000 J | 180 | 250 J |

Jones St: Semi-Volatiles in Groundwater

| BAKER SAMPLE NO. | 446W011 | 446W021 | 446W031 | 446W031D |
|----------------------------|---------|---------|---------|----------|
| COMPU CHEM SAMPLE NO. | 439991 | 439994 | 439989 | 439992 |
| SAMPLE MEDIUM | Water | Water | Water | Water |
| CONCENTRATION UNITS | ug/L | ug/L | ug/L | ug/L |
| VALIDATED?? | | | | |
| 2-Methyphenol | 10 U | 10 U | 10 U | 10 U |
| 4-Methyphenol | 10 U | 10 U | 10 U | 10 U |
| Benzoic Acid | NA** | 50 U | 50 U | NA** |
| 2-Methylnaphthalene | 10 U | 10 U | 10 U | 14 |
| Acenaphthylene | 10 U | 10 U | 10 U | 10 U |
| Acenaphthene | 10 U | 10 U | 10 U | 16 |
| Dibenzofuran | 10 U | 10 U | 10 U | 8 J |
| Fluorene | 10 U | 10 U | 10 U | 10 |
| Phenanthrene | 10 U | 10 U | 10 U | 24 |
| Anthracene | 10 U | 10 U | 10 U | 3 J |
| Di-n-butylphthalate | 10 U | 10 U | 10 U | 10 U |
| Fluoranthene | 10 U | 10 U | 10 U | 14 |
| Pyrene | 10 U | 10 U | 10 U | 9 J |
| Butyl Benzyl Phthalate | 10 U | 10 U | 10 U | 10 U |
| Benzo(a)anthracene | 10 U | 10 U | 10 U | 3 J |
| bis(2-Ethylhexyl)phthalate | 10 U | 10 U | 10 U | 3 R |

