

Environmental
Restoration
Contractor

ERC Team

Interoffice Memorandum

Job No. 22192
Written Response Required? NO
Closes CCN: N/A
OU: 200-UP-1
TSD: N/A
ERA: N/A
Subject Code: 8630

TO: M. A. Buckmaster, H0-19
M. J. Galgoul, H9-03

DATE: July 15, 1997

COPIES: See Below

FROM: R. T. Coffman
Sampling & Analytical Services
X7-02/531-0661

SUBJECT: **200-UP-1 IRM IMPLEMENTATION SAMPLING, MONTHLY GROUNDWATER RESULTS, APRIL 1997, REV 0**

REFERENCES:

1. BHI, 1996, *On-Site Measurements Quality Assurance Plan*, BHI-QA-03, Plan 5.2, REV. 1, Bechtel Hanford, Inc., Richland, Washington.
2. BHI, 1995, *Field Screening Procedures*, BHI-EE-05, Bechtel Hanford, Inc., Richland, Washington.
3. BHI, 1996, *200-UP-1 Field Screening Support Logbook*, EL-1334, Bechtel Hanford, Inc., Richland, Washington.

This data package contains field screening results for groundwater samples analyzed to support the 200-UP-1 IRM Implementation Sampling program. The Quality Assurance level for this work corresponds to QC-1 as specified in the reference 1 (BHI 1997). Samples collected and analyzed during April 1997 were managed under SAF C97-013.

Attachment 1 contains Volatile Organic Compound (VOC), total uranium, and technetium-99 results for groundwater samples collected to support the referenced project. The VOC results were generated using a Hewlett Packard 5890 gas chromatograph with a headspace autosampler operated in accordance with Field Screening Procedure (FSP) 1.29, *Aqueous Headspace Analysis of Volatile Organic Compounds in Water Using Hewlett Packard 5890 Gas Chromatograph* (BHI 1997). Information concerning operation and calibration of the gas chromatograph is contained in the instrument logbook EL-1329.

The total uranium results were generated using a ChemChek KPA-11a Kinetic Phosphorescence Analyzer operated in accordance with FSP 1.22, *Kinetic Phosphorescence Analysis of Total Uranium in Water* (BHI 1996). Information concerning operation and calibration of the ChemChek KPA-11a is contained in the instrument logbook EL-1335.



M. A. Buckmaster, H0-19
Page 2

The technetium-99 analyses were conducted at the off-site laboratory of Quanterra Environmental Services Richland Laboratory (QTESRL). The results are included in this data package for information only. Questions concerning the analyses and results should be directed to the laboratory.

Please contact me if you have any questions on this information.



R. T. Coffman, Analyst

RTC:rtc

Attachments:

- Attachment 1. 200-UP-1 IRM Implementation Sampling, Monthly Groundwater Results, April 1997
- Attachment 2. Sample Chain of Custody Sheets

Copies:

- D. E. Ayres, B1-35, w/attachment 1 and 2**
- J. V. Borghese, H9-03, w/attachment 1 only
- R. T. Coffman, X7-02, **w/attachment 1 and 2**
- C. W. Denslow, H9-03, w/attachment 1 only
- B. H. Ford, H0-02, w/attachment 1 only
- I. D. Jacques, L6-06, w/attachment 1 only
- R. B. Kerkow, H9-10, w/attachment 1 only
- S. A. Strobe, T7-12, w/attachment 1 only
- D. A. St John, N1-28, w/attachment 1 only
- L. C. Swanson, H9-02, w/attachment 1 only
- BHI Document Control, H4-79, w/original attachments

200-UP-1 IRM Implementation Sampling
Monthly Groundwater Results, April 1997
SAF C97-013

| Sample Location | HEIS Number | Sample Date | Analysis Date (VOA) | Chloroform (µg/L) | Carbon Tetrachloride (µg/L) | TCE (µg/L) | Uranium (µg/L) | Technetium-99 (pCi/L) |
|-----------------|-------------|-------------|---------------------|-------------------|-----------------------------|------------|----------------|-----------------------|
| 299-W19-20 | BOJYN3 | 4/21/97 | NA | NA | NA | NA | NA | 4320 |
| 299-W19-20 | BOJYN2 | 4/21/97 | 4/24/97 | 5.1 | 260 | 7.2 | 1750 | NA |
| 299-W19-24 | BOKBN2 | 4/21/97 | NA | NA | NA | NA | NA | 7140 |
| 299-W19-24 | BOJYN4 | 4/21/97 | 4/24/97 | <2.0 | 70 | <2.0 | 2670 | NA |
| 299-W19-26 | BOKBN4 | 4/21/97 | NA | NA | NA | NA | NA | 7920 |
| 299-W19-26 | BOKBN3 | 4/21/97 | 4/24/97 | 5.6 | 240 | 2.0 | 730 | NA |
| 299-W19-28 | BOKBN6 | 4/23/97 | NA | NA | NA | NA | NA | 10200 |
| 299-W19-28 | BOKBN5 | 4/23/97 | 4/24/97 | <2.0 | 8.9 | <2.0 | 340 | NA |
| 299-W19-29 | BOKBN8 | 4/18/97 | NA | NA | NA | NA | NA | 121 |
| 299-W19-29 | BOKBN7 | 4/18/97 | 4/24/97 | <2.0 | 8.4 | <2.0 | 54 | NA |
| 299-W19-30 | BOKBP0 | 4/18/97 | NA | NA | NA | NA | NA | 4300 |
| 299-W19-30 | BOKBN9 | 4/18/97 | 4/24/97 | <2.0 | <2.0 | <2.0 | 510 | NA |
| 299-W19-34A | BOKBP2 | 4/18/97 | NA | NA | NA | NA | NA | 195 |
| 299-W19-34A | BOKBP1 | 4/18/97 | 4/24/97 | 7.1 | 60 | 3.0 | 1.6 | NA |
| 299-W19-35 | BOKBP4 | 4/23/97 | NA | NA | NA | NA | NA | 506 |
| 299-W19-35 | BOKBP3 | 4/23/97 | 4/24/97 | 2.2 | 190 | 16 | 50 | NA |
| 299-W19-37 | BOKBP6 | 4/23/97 | NA | NA | NA | NA | NA | 1400 |
| 299-W19-37 | BOKBP5 | 4/23/97 | 4/24/97 | <2.0 | 15 | <2.0 | 930 | NA |
| 299-W19-38 | BOKBP8 | 4/21/97 | NA | NA | NA | NA | NA | 2520 |
| 299-W19-38 | BOKBP7 | 4/21/97 | 4/24/97 | 4.4 | 130 | <2.0 | 200 | NA |
| 299-W19-40 | BOKBR0 | 4/21/97 | NA | NA | NA | NA | NA | 412 |
| 299-W19-40 | BOKBP9 | 4/21/97 | 4/24/97 | 5.4 | 40 | <2.0 | 130 | NA |
| Trip Blank | BOKBR1 | 4/17/97 | 4/24/97 | <2.0 | <2.0 | <2.0 | NA | NA |
| Trip Blank | BOKBR2 | 4/21/97 | 4/24/97 | <2.0 | <2.0 | <2.0 | NA | NA |
| Trip Blank | BOJYN0 | 4/23/97 | 4/24/97 | <2.0 | <2.0 | <2.0 | NA | NA |

NA - Not Analyzed

j - Value less than practical quantitation limit

Analyst:

R.T. Coffman 7-15-97
R. T. Coffman

VOA Instrument: Hewlett Packard 5890 GC, Serial # 3235A47685
Method: Dual DB-VRX columns, ECD/FID, 1mL headspace injection
Logbook: 200-UP-1 Field Logbook, EL-1334, pgs. 48 to 49

Uranium Instrument: ChemChek KPA-11a, Serial # 9445050065
Method: Kinetic Phosphorescence
Logbook: 200-UP-1 Field Logbook, EL-1334, pgs. 50 to 51

| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | C97-013-66 | | Page 1 of 1 | | | | | | | | | | | |
|---|----------|--|------------------------------------|--------------------------|-----------------------------------|---|------------------------------------|--|--------------------------|-------------|--|----------|--|--|--|--|--|--|--|--|--|
| Collector RT SICKLE (RFS) | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround Field | | | | | | | | | | | | |
| Project Designation 200-UP-1 IRM Groundwater Sampling FY1997 | | | Sampling Location 200-W | | SAF No. C97-013 | | | | | | | | | | | | | | | | |
| Ice Chest No. SML-200 | | | Field Logbook No. WTC-N-205 #63 | | Method of Shipment COV. VEH. | | | | | | | | | | | | | | | | |
| Shipped To Mobile Laboratory | | | Offsite Property No. NA | | Bill of Lading/Air Bill No. NA | | | | | | | | | | | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | Preservation | | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | | | | | | | | | |
| | | | Type of Container | | G/P | Gs* | | | | | | | | | | | | | | | |
| | | | No. of Container(s) | | 1 | 1 | | | | | | | | | | | | | | | |
| Special Handling and/or Storage | | | Volume | | 20ml | 40ml | | | | | | | | | | | | | | | |
| SAMPLE ANALYSIS | | | | | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | | | | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | | | | | | | | | |
| BOJYN2 | Water | 4/21/97 | 1046 | ✓ | ✓ | | | | | | | | | | | | | | | | |
| CHAIN OF POSSESSION | | Sign/Print Names | | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | | | Matrix * | | | | | | | | | |
| Relinquished By: RT SICKLE (RFS) | | Date/Time: 4/23/97 | | Received By: [Signature] | | Date/Time: 4/23/97 | | FAX Copies of log in to DL Stewart (372-1704 and JM Duncanson (372-9652) for 4-17-97 | | | | | | S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other | | | | | | | |
| Relinquished By: | | Date/Time: | | Received By: | | Date/Time: | | | | | | | | | | | | | | | |
| Relinquished By: | | Date/Time: | | Received By: | | Date/Time: | | | | | | | | | | | | | | | |
| Relinquished By: | | Date/Time: | | Received By: | | Date/Time: | | | | | | | | | | | | | | | |
| LABORATORY SECTION | | Received By | | | | Title | | | | Date/Time | | | | | | | | | | | |
| FINAL SAMPLE DISPOSITION | | Disposal Method | | | | Disposed By | | | | Date/Time | | | | | | | | | | | |

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector **AG RIZZO (RFS)** Company Contact **J.H. KESSNER** Telephone No. **(509)372-9538** Project Coordinator **Stewart, DL** Data Turnaround **Field**

Project Designation **200-UP-1 IRM Groundwater Sampling FY1997** Sampling Location **200-W** SAF No. **C97-013**

Ice Chest No. **BONHEAD** Field Logbook No. **WHL-1-205 G.Y. PAGE 27** Method of Shipment **Gov. Vehicle**

Shipped To **Mobile Laboratory** Offsite Property No. **N/A** Bill of Lading/Air Bill No. **N/A**

| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | | |
|---------------------------------|--------------|---------------------|---------------------------|---|--|--|--|--|--|--|--|
| | N/A | G/P | Gs* | | | | | | | | |
| | | No. of Container(s) | 1 | 1 | | | | | | | |

Special Handling and/or Storage **cool 4°C** Volume **20ml** **40ml**

| SAMPLE ANALYSIS | URANIUM TOTAL | VOA BY FIELD GC -- Chloronated Hydrocarbon | | | | | | | | | |
|-----------------|---------------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
|------------|----------|--------------------|-------------|----------|----------|--|--|--|--|--|--|
| BOJYN4 | Water | APR 21 1997 | 0913 | ✓ | ✓ | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT <i>FAX Copies of log-in to DL Stewart (372-1704 and JM Duncan (372-9052) Feb 4-17-97</i> | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| | Relinquished By <i>AG RIZZO</i> | Date/Time <i>4-22-97 1210</i> | Received By <i>RSCOFFMAN / RSCoffman</i> | Date/Time <i>4/22/97 1210</i> | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | |

LABORATORY SECTION Received By _____ Title _____ Date/Time _____

FINAL SAMPLE DISPOSITION Disposal Method _____ Disposed By _____ Date/Time _____

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

| | | | | |
|---|------------------------------------|------------------------------------|------------------------------------|--------------------------|
| Collector RT SICKLE (RFS) | Company Contact J.H. KESSNER | Telephone No. (509)372-9538 | Project Coordinator Stewart, DL | Data Turnaround Field |
| Project Designation 200-UP-1 IRM Groundwater Sampling FY1997 | Sampling Location 200-W | SAF No. C97-013 | | |
| Ice Chest No. SML-200 | Field Logbook No. WHC-N-205 #63 | Method of Shipment GOV. KEH. | | |
| Shipped To Mobile Laboratory | Offsite Property No. N/A | Bill of Lading/Air Bill No. N/A | | |

| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | | | | |
|---------------------------------|---------------------|---------------|--|--|--|--|--|--|--|--|--|--|--|
| | Type of Container | G/P | Gs* | | | | | | | | | | |
| | No. of Container(s) | 1 | 1 | | | | | | | | | | |
| Special Handling and/or Storage | Volume | 20ml | 40ml | | | | | | | | | | |
| SAMPLE ANALYSIS | | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | |
|------------|----------|-------------|-------------|---|---|--|--|--|--|--|--|--|--|
| BOKBN3 | Water | 4/21/97 | 1148 | ✓ | ✓ | | | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other | |
| | Relinquished By RT SICKLE (RFS) | Date/Time 12:10 | Received By RT COFFMAN / RT Coffman | Date/Time 4/22/97 | FAX Copies of log in to DL Stewart (372-1764 and JM Duncan (372-9057) dated 4-17-97 | | | | | | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | |

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| LABORATORY SECTION | Received By | Title | Date/Time |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

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|-------------------------------------|---------------------------------|--------------------------------|------------------------------------|--------------------------|
| Collector RT SICKLE (RFS) | Company Contact J.H. KESSNER | Telephone No. (509)372-9538 | Project Coordinator Stewart, DL | Data Turnaround Field |
|-------------------------------------|---------------------------------|--------------------------------|------------------------------------|--------------------------|

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|---|----------------------------|--------------------|
| Project Designation 200-UP-1 IRM Groundwater Sampling FY1997 | Sampling Location 200-W | SAF No. C97-013 |
|---|----------------------------|--------------------|

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|----------------------------|---------------------------------------|--------------------------------------|
| Ice Chest No. <i>NA</i> | Field Logbook No. <i>WTC-N-205</i> | Method of Shipment <i>60L VEH</i> |
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|---------------------------------|-----------------------------------|--|
| Shipped To Mobile Laboratory | Offsite Property No. <i>NA</i> | Bill of Lading/Air Bill No. <i>NA</i> |
|---------------------------------|-----------------------------------|--|

| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | |
|---------------------------------|---------------------|---------------|---------------------------|--|--|--|--|--|--|--|
| | Type of Container | G/P | Gs* | | | | | | | |
| | No. of Container(s) | 1 | 1 | | | | | | | |

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|---------------------------------|--------|------|------|--|--|--|--|--|--|
| Special Handling and/or Storage | Volume | 20ml | 40ml | | | | | | |
|---------------------------------|--------|------|------|--|--|--|--|--|--|

| SAMPLE ANALYSIS | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | |
|-----------------|---------------|--|--|--|--|--|--|--|--|
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| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
|------------|----------|-------------|-------------|---|---|--|--|--|--|--|--|
| BOKBN5 | Water | 4-23-97 | 1206 | ✓ | ✓ | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | | Date/Time |
|---|--------------------|---|------------------------------|
| Relinquished By <i>RT SICKLE (RFS)</i> | <i>[Signature]</i> | Received By <i>RT COFFMAN/RT [Signature]</i> | Date/Time 1402 4/23/97 |
| Relinquished By | | Received By | Date/Time |
| Relinquished By | | Received By | Date/Time |
| Relinquished By | | Received By | Date/Time |

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| SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT FAX Copies of log-in to DL Stewart (372-1704 and Jim Duncan (372-9652) <i>SL 4-17-97</i> | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
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| LABORATORY SECTION | Received By | Title | Date/Time |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

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|--|--|---|---|---------------------------------|
| Collector RT SICKLE (RFS) | Company Contact J.H. KESSNER | Telephone No. (509)372-9538 | Project Coordinator Stewart, DL | Data Turnaround Field |
| Project Designation 200-UP-1 IRM Groundwater Sampling FY1997 | Sampling Location 200-W | SAF No. C97-013 | | |
| Ice Chest No. SML-200 | Field Logbook No. WHC-N-205 # 63 | Method of Shipment Hand Delivered | | |
| Shipped To Mobile Laboratory | Offsite Property No. NA | Bill of Lading/Air Bill No. NA | | |

| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | |
|---------------------------------|---------------------------------|---------------|---------------------------|---------------|--|--|--|--|--|--|
| | Type of Container | G/P | Gs* | | | | | | | |
| | No. of Container(s) | 1 | 1 | | | | | | | |
| | Special Handling and/or Storage | Volume | 20ml | 40ml | | | | | | |
| SAMPLE ANALYSIS | | | | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | |
|------------|----------|-------------|-------------|---|---|--|--|--|--|--|
| BOKBN7 | Water | APR 18 1997 | 0840 | X | X | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other |
| | Relinquished By RT SICKLE (RFS) | Date/Time 4-22-97 1210 | Received By R. Coffman / RT Coffman | Date/Time 4/22/97 | Fax Copies of log-in to DL Stewart (372-1704 and J.A. Duncan (372-9052) 4-17-97 | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | |

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| LABORATORY SECTION | Received By | Title | Date/Time |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |

Collector: RT SICKLE (RFS) Company Contact: J.H. KESSNER Telephone No.: (509)372-9538 Project Coordinator: Stewart, DL Data Turnaround: Field

Project Designation: 200-UP-1 IRM Groundwater Sampling FY1997 Sampling Location: 200-W SAF No.: C97-013

Ice Chest No.: *SIML-200* Field Logbook No.: *WAC-N-205 #63* Method of Shipment: *Hand Delivered*

Shipped To: Mobile Laboratory Offsite Property No.: *IVA* Bill of Lading/Air Bill No.: *NA*

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|---------------------------------|---------------------|---------------|---------------------------|--|--|--|--|--|--|
| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | |
| | Type of Container | G/P | Gs* | | | | | | |
| | No. of Container(s) | 1 | 1 | | | | | | |

Special Handling and/or Storage: Volume: 20ml / 40ml

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|-----------------|---------------|--|--|--|--|--|--|--|--|
| SAMPLE ANALYSIS | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | |
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| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
|------------|----------|-------------|-------------|---|---|--|--|--|--|--|--|
| BOKBN9 | Water | APR 18 1997 | 1051 | X | X | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other |
| | Relinquished By: <i>RT SICKLE (RFS)</i> | Date/Time: <i>4-22-97 1210</i> | Received By: <i>RT Coffman</i> | Date/Time: <i>1210</i> | FAX Copies of log in to DL Stewart (372-1704 and RM Duncen (372-9052) <i>4-17-97</i> | | |
| | Relinquished By: <i>[Signature]</i> | Date/Time: <i>4-17-97</i> | Received By: <i>[Signature]</i> | Date/Time: <i>4/22/97</i> | | | |
| | Relinquished By: | Date/Time: | Received By: | Date/Time: | | | |
| | Relinquished By: | Date/Time: | Received By: | Date/Time: | | | |

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|--------------------------|------------------|--------------|------------|
| LABORATORY SECTION | Received By: | Title: | Date/Time: |
| FINAL SAMPLE DISPOSITION | Disposal Method: | Disposed By: | Date/Time: |

Collector: **RT SICKLE (RFS)** Company Contact: **J.H. KESSNER** Telephone No.: **(509)372-9538** Project Coordinator: **Stewart, DL** Data Turnaround: **Field**

Project Designation: **200-UP-1 IRM Groundwater Sampling FY1997** Sampling Location: **200-W** SAF No.: **C97-013**

Ice Chest No.: **SMY-200** Field Logbook No.: **WHL-N-205 # 63** Method of Shipment: **Hand delivered**

Shipped To: **Mobile Laboratory** Offsite Property No.: **NA** Bill of Lading/Air Bill No.: **NA**

| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | |
|---------------------------------|---------------------|---------------|---------------------------|--|--|--|--|--|--|
| | Type of Container | G/P | Gs* | | | | | | |
| | No. of Container(s) | 1 | 1 | | | | | | |

Special Handling and/or Storage: **Volume** 20ml 40ml

| SAMPLE ANALYSIS | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | |
|-----------------|---------------|--|--|--|--|--|--|--|--|
| | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | |
|------------|----------|-------------|-------------|---|---|--|--|--|--|--|--|--|
| BOKBP1 | Water | APR 18 1997 | 1000 | X | X | | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | |
|---|--------------------------------|--|
| Relinquished By: RT SICKLE (RFS) | Date/Time: 4-22-97 1210 | Received By: RT COFFMAN / RT Coffman Date/Time: 4/22/97 1210 |
| Relinquished By: | Date/Time: | Received By: Date/Time: |
| Relinquished By: | Date/Time: | Received By: Date/Time: |
| Relinquished By: | Date/Time: | Received By: Date/Time: |

SPECIAL INSTRUCTIONS
TOTAL ACTIVITY EXEMPT
FAX Copies of log-in to DL Stewart (372-1704) and Jim Duncan (372-9052) **4-17-97**

- Matrix ***
- S - Soil
 - SE - Sediment
 - SO - Solid
 - SL - Sludge
 - W - Water
 - O - Oil
 - A - Air
 - DS - Drum Solids
 - DL - Drum Liquids
 - T - Tissue
 - WI - Wipe
 - L - Liquid
 - V - Vegetation
 - X - Other

| | |
|---------------------------------|--|
| LABORATORY SECTION | Received By: _____ Title: _____ Date/Time: _____ |
| FINAL SAMPLE DISPOSITION | Disposal Method: _____ Disposed By: _____ Date/Time: _____ |

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

| | | | | |
|-------------------------------------|---------------------------------|--------------------------------|------------------------------------|--------------------------|
| Collector RT SICKLE (RFS) | Company Contact J.H. KESSNER | Telephone No. (509)372-9538 | Project Coordinator Stewart, DL | Data Turnaround Field |
|-------------------------------------|---------------------------------|--------------------------------|------------------------------------|--------------------------|

| | | |
|---|----------------------------|--------------------|
| Project Designation 200-UP-1 IRM Groundwater Sampling FY1997 | Sampling Location 200-W | SAF No. C97-013 |
|---|----------------------------|--------------------|

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| Ice Chest No. <i>NA</i> | Field Logbook No. <i>WHC-N-205 #63</i> | Method of Shipment <i>GOV. VEH.</i> |
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| Shipped To Mobile Laboratory | Offsite Property No. <i>NK</i> | Bill of Lading/Air Bill No. <i>NA</i> |
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|---------------------------------|---------------------|---------------|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | | | | | | | | | |
| | Type of Container | G/P | Gs* | | | | | | | | | | | | | | | |
| | No. of Container(s) | 1 | 1 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|---------------------------------|--------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Special Handling and/or Storage | Volume | 20ml | 40ml | | | | | | | | | | | | | | | |
|---------------------------------|--------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

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| SAMPLE ANALYSIS | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | | | | | | | | | |
|-----------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | | | | | | |
|------------|----------|-------------|-------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BOKBP3 | Water | 4/23/97 | 1304 | ✓ | ✓ | | | | | | | | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | | | | | | | Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue WI = Wipe L = Liquid V = Vegetation X = Other | | |
| | Relinquished By <i>RT SICKLE (RFS)</i> | Date/Time 4-23-97 | Received By <i>RCoffman / RT Coffman</i> | Date/Time 4/23/97 | MAX Copies of log-in to DL Stewart (372-1704) and JM Duncan (372-9052) <i>4-17-97</i> | | | | | | | | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | | | | | | | | | |

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| LABORATORY SECTION | Received By | Title | Date/Time |
|--------------------|-------------|-------|-----------|

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| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |
|--------------------------|-----------------|-------------|-----------|

Collector **RT SICKLE (RFS)** Company Contact **J.H. KESSNER** Telephone No. **(509)372-9538** Project Coordinator **Stewart, DL** Data Turnaround **Field**

Project Designation **200-UP-1 IRM Groundwater Sampling FY1997** Sampling Location **200-W** SAF No. **C97-013**

Ice Chest No. **NA** Field Logbook No. **WHC-N-205 #63** Method of Shipment **BOV. VEH.**

Shipped To **Mobile Laboratory** Offsite Property No. **NA** Bill of Lading/Air Bill No. **NA**

| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | | | | |
|---------------------------------|---------------------|---------------|---------------------------|--|--|--|--|--|--|--|--|--|--|
| | Type of Container | G/P | Gs* | | | | | | | | | | |
| | No. of Container(s) | 1 | 1 | | | | | | | | | | |

Special Handling and/or Storage **Volume** 20ml 40ml

| SAMPLE ANALYSIS | | | | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | |
|-----------------|--|--|--|---------------|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | |
|------------|----------|-------------|-------------|---|---|--|--|--|--|--|--|--|--|
| BOKBP5 | Water | 4-23-97 | 1121 | ✓ | ✓ | | | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT <i>* FAX Copies of log-in to DL Stewart (372-1704 and JM Duncen (372-9052) 4-17-97</i> | Matrix * |
| Relinquished By RT SICKLE (RFS) Date/Time 4-23-97 1402 | Received By RT Coffman/RT Coffman Date/Time 4/23/97 | | S = Soil |
| Relinquished By _____ Date/Time _____ | Received By _____ Date/Time _____ | | SE = Sediment |
| Relinquished By _____ Date/Time _____ | Received By _____ Date/Time _____ | | SO = Solid |
| Relinquished By _____ Date/Time _____ | Received By _____ Date/Time _____ | | SL = Sludge |
| | | | W = Water |
| | | | O = Oil |
| | | | A = Air |
| | | | DS = Drum Solids |
| | | | DL = Drum Liquids |
| | | | T = Tissue |
| | | | WI = Wipe |
| | | | L = Liquid |
| | | | V = Vegetation |
| | | | X = Other |

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|---------------------------------|-------------------------------|-----------------------------------|
| LABORATORY SECTION | Received By _____ Title _____ | Date/Time _____ |
| FINAL SAMPLE DISPOSITION | Disposal Method _____ | Disposed By _____ Date/Time _____ |

| Pacific Northwest National Laboratory | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | C97-013-84 | | Page 1 of 1 | |
|---|----------|--|------------------------------------|--------------------------------------|--------------------------------|------------------------------------|--|--|--------------------------|-------------|--|
| Collector HT SICKLE (HFS) | | | Company Contact J.H. KESSNER | | Telephone No. (509)372-9538 | | Project Coordinator Stewart, DL | | Data Turnaround Field | | |
| Project Designation 200-UP-1 IRM Groundwater Sampling FY1997 | | | Sampling Location 200-W | | | SAF No. C97-013 | | | | | |
| Ice Chest No. N/A | | | Field Logbook No. WTR-2-205 H/C | | | Method of Shipment Gov. Veh. | | | | | |
| Shipped To Mobile Laboratory | | | Offsite Property No. N/A | | | Bill of Lading/Air Bill No. N/A | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS | | | | Preservation | | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | |
| | | | | Type of Container | | G/P | Gs* | | | | |
| | | | | No. of Container(s) | | 1 | 1 | | | | |
| Special Handling and/or Storage | | | | Volume | | 20ml | 40ml | | | | |
| SAMPLE ANALYSIS | | | | | | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | |
| BOKBP7 | Water | 4-21-97 | 0923 | ✓ | ✓ | | | | | | |
| CHAIN OF POSSESSION | | | | SPECIAL INSTRUCTIONS | | | | Matrix * | | | |
| Sign/Print Names | | | | TOTAL ACTIVITY EXEMPT | | | | S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other | | | |
| Relinquished By HT SICKLE (HFS) | | Date/Time 4-22-97 12:10 | | Received By RT COFFMAN/RT Coffman | | Date/Time 4/22/97 12:10 | | * 2 Copies of log in to DL Stewart (372-1704) and JM Duncan (372-9852) 4-17-97 | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| Relinquished By | | Date/Time | | Received By | | Date/Time | | | | | |
| LABORATORY SECTION | | Received By | | Title | | Date/Time | | | | | |
| FINAL SAMPLE DISPOSITION | | Disposal Method | | Disposed By | | Date/Time | | | | | |

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|--|---|--|---|---------------------------------|
| Collector RT SICKLE (RFS) | Company Contact J.H. KESSNER | Telephone No. (509)372-9538 | Project Coordinator Stewart, DL | Data Turnaround Field |
| Project Designation 200-UP-1 IRM Groundwater Sampling FY1997 | Sampling Location 200-W | SAF No. C97-013 | | |
| Ice Chest No. SML-200 | Field Logbook No. WHC-N-205 #63 | Method of Shipment GOV. VEH. | | |
| Shipped To DR13 4/21/97 Mobile Laboratory STANTENNA MIL | Offsite Property No. NA | Bill of Lading/Air Bill No. NA | | |

| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HNO3 to pH <2 | HCl to pH <2 Cooled to 4C | | | | | | | | | | |
|---------------------------------|---------------------|---------------|--|--|--|--|--|--|--|--|--|--|--|
| | Type of Container | G/P | Gs* | | | | | | | | | | |
| | No. of Container(s) | 1 | 1 | | | | | | | | | | |
| Special Handling and/or Storage | Volume | 20ml | 40ml | | | | | | | | | | |
| SAMPLE ANALYSIS | | URANIUM TOTAL | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | |
|------------|----------|-------------|-------------|---|---|--|--|--|--|--|--|--|--|
| BOKBP9 | Water | 4-21-97 | 1005 | ✓ | ✓ | | | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | | Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other |
| | Relinquished By RT SICKLE (RFS) | Date/Time 4-22-97 12:00 | Received By RT COFFMAN/RT Coffman | Date/Time 4/22/97 | Fax Copies of log in to DL Stewart (372-1704 and J.M. Duncan (372-9052) del 4-17-97 | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | | |
| | Relinquished By | Date/Time | Received By | Date/Time | | | | |

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| LABORATORY SECTION | Received By | Title | Date/Time |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |

Pacific Northwest National Laboratory

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C97-013-88

Page 1 of 1

Collector: *R.T. SICKLE RFS* Company Contact: J.H. KESSNER Telephone No.: (509)372-9538 Project Coordinator: Stewart, DL Data Turnaround: Field

Project Designation: 200-UP-1 IRM Groundwater Sampling FY1997 Sampling Location: 200-W SAF No.: C97-013

Ice Chest No.: Field Logbook No.: *WHC-N 205 # 63* Method of Shipment: *Gov. Veb.*

Shipped To: Mobile Laboratory Offsite Property No.: *N 174* Bill of Lading/Air Bill No.: *N 174*

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|---------------------------------|---------------------|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HCl to pH <2 Cooled to 4C | | | | | | | | | | | | | | | | | | |
| | Type of Container | Gs* | | | | | | | | | | | | | | | | | | |
| | No. of Container(s) | 1 | | | | | | | | | | | | | | | | | | |

Special Handling and/or Storage: Volume: 40ml

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|-----------------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| SAMPLE ANALYSIS | | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | | | | | | | | | | | |
|-----------------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | | | | | | | | | |
|------------|----------|-------------|-------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BOKBR1 | Water | 4-17-97 | 0800 | ✓ | | | | | | | | | | | | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | | | | | | | | | | Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue W1 - Wipe L - Liquid V - Vegetation X - Other |
| | Relinquished By: <i>R.T. SICKLE RFS</i> Date/Time: 1500 4-17-97 | Received By: <i>JG HOGAN</i> Date/Time: 1500 4-17-97 | * FAX Copies of log-in to DL Stewart (372-4704 and JM Duneen (372-9052) <i>4-17-97</i> | | | | | | | | | | |
| | Relinquished By: <i>JG HOGAN</i> Date/Time: 1210 4-22-97 | Received By: <i>RT COFFMAN</i> Date/Time: 1210 4/22/97 | | | | | | | | | | | |
| | Relinquished By: _____ Date/Time: _____ | Received By: _____ Date/Time: _____ | | | | | | | | | | | |

LABORATORY SECTION: Received By: _____ Title: _____ Date/Time: _____

FINAL SAMPLE DISPOSITION: Disposal Method: _____ Disposed By: _____ Date/Time: _____

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| Collector <i>R.T. SICKLE RFS</i> | Company Contact J.H. KESSNER | Telephone No. (509)372-9538 | Project Coordinator Stewart, DL | Data Turnaround Field |
| Project Designation 200-UP-1 IRM Groundwater Sampling FY1997 | Sampling Location 200-W | SAF No. C97-013 | | |
| Ice Chest No. <i>N/A</i> | Field Logbook No. <i>W/C - N. 200 # 63</i> | Method of Shipment <i>Gov. Veh.</i> | | |
| Shipped To Mobile Laboratory | Offsite Property No. <i>N/A</i> | Bill of Lading/Air Bill No. <i>N/A</i> | | |

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|---------------------------------|---------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HCl to pH <2 Cooled to 4C | | | | | | | | | | | | | | | | | | |
| | Type of Container | Gs* | | | | | | | | | | | | | | | | | | |
| | No. of Container(s) | 1 | | | | | | | | | | | | | | | | | | |
| Special Handling and/or Storage | Volume | 40ml | | | | | | | | | | | | | | | | | | |
| SAMPLE ANALYSIS | | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | | | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | | | | | | | | | |
|------------|----------|-------------|-------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BOKBR2 | Water | 4-21-97 | 0800 | ✓ | | | | | | | | | | | | | | | | | |
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| CHAIN OF POSSESSION | Sign/Print Names | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | Matrix * |
| Relinquished By <i>R.T. SICKLE</i> | Date/Time 1500 4-21-97 | Received By <i>JG HOGAN</i> | Date/Time 1500 4-21-97 |
| Relinquished By <i>JG HOGAN</i> | Date/Time 1210 4-22-97 | Received By <i>RT COFFMAN</i> | Date/Time 1210 4/22/97 |
| Relinquished By | Date/Time | Received By | Date/Time |
| Relinquished By | Date/Time | Received By | Date/Time |

FAX Copies of log in to DL Stewart (372-1704 and JM Duncan (372-9032) *4-17-97*

- S - Soil
- SE - Sediment
- SO - Solid
- SL - Sludge
- W - Water
- O - Oil
- A - Air
- DS - Drum Solids
- DL - Drum Liquids
- T - Tissue
- WI - Wipe
- L - Liquid
- V - Vegetation
- X - Other

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| LABORATORY SECTION | Received By | Title | Date/Time |
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |

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| Collector <i>R.T. SICKLE RFS</i> | Company Contact J.H. KESSNER | Telephone No. (509)372-9538 | Project Coordinator Stewart, DL | Data Turnaround Field |
| Project Designation 200-UP-1 Interim Remedial Monitoring Groundwater Sampling- FY1997 | Sampling Location 200-W | | SAF No. C97-013 | |
| Ice Chest No. <i>N/A</i> | Field Logbook No. <i>WHC - N-205 #63</i> | Method of Shipment <i>Cool. Veh.</i> | | |
| Shipped To Mobile Laboratory | Offsite Property No. <i>N/A</i> | Bill of Lading/Air Bill No. <i>N/A</i> | | |

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|---------------------------------|---------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| POSSIBLE SAMPLE HAZARDS/REMARKS | Preservation | HCl to pH <2 Cooled to 4C | | | | | | | | | | | | | | | | | | |
| | Type of Container | Gs* | | | | | | | | | | | | | | | | | | |
| | No. of Container(s) | 1 | | | | | | | | | | | | | | | | | | |
| Special Handling and/or Storage | Volume | 40ml | | | | | | | | | | | | | | | | | | |
| SAMPLE ANALYSIS | | VOA BY FIELD GC -- Chlorinated Hydrocarbon | | | | | | | | | | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | | | | | | | | | |
|------------|----------|-------------|-------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BOJYNO | Water | 4-23-97 | 0800 | ✓ | | | | | | | | | | | | | | | | |
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| CHAIN OF POSSESSION <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; padding: 5px;">Relinquished By <i>R.T. SICKLE</i> Date/Time <i>4-24-97 1345</i></td> <td style="width:50%; padding: 5px;">Received By <i>RT COFFMAN / RT Coffman</i> Date/Time <i>4/24/97</i></td> </tr> <tr> <td style="padding: 5px;">Relinquished By Date/Time</td> <td style="padding: 5px;">Received By Date/Time</td> </tr> <tr> <td style="padding: 5px;">Relinquished By Date/Time</td> <td style="padding: 5px;">Received By Date/Time</td> </tr> <tr> <td style="padding: 5px;">Relinquished By Date/Time</td> <td style="padding: 5px;">Received By Date/Time</td> </tr> </table> | Relinquished By <i>R.T. SICKLE</i> Date/Time <i>4-24-97 1345</i> | Received By <i>RT COFFMAN / RT Coffman</i> Date/Time <i>4/24/97</i> | Relinquished By Date/Time | Received By Date/Time | Relinquished By Date/Time | Received By Date/Time | Relinquished By Date/Time | Received By Date/Time | SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT | Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other |
| Relinquished By <i>R.T. SICKLE</i> Date/Time <i>4-24-97 1345</i> | Received By <i>RT COFFMAN / RT Coffman</i> Date/Time <i>4/24/97</i> | | | | | | | | | |
| Relinquished By Date/Time | Received By Date/Time | | | | | | | | | |
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| LABORATORY SECTION | Received By _____ Title _____ | Date/Time _____ |
| FINAL SAMPLE DISPOSITION | Disposal Method _____ Disposed By _____ | Date/Time _____ |