START 9613407.2286

9307L322-WES-1206 0043390

ROY F. WESTON, INC.
LIONVILLE ANALYTICAL LABORATORY
ANALYTICAL CASE NARRATIVE

**Client:** WESTINGHOUSE HANFORD
**RFW #:** 9307L322

**W.O. #:** 06168-002-001-9999-00
**Date Received:** 07-24-93

## GC/MS VOLATILE

The set of samples consisted of two (2) leachate samples generated on 07-28-93 from solid samples collected on 07-22-93.

The samples were analyzed according to criteria set forth in SW 846 Method 8240 for TCL Volatile target compounds on 07-28,29-93.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. Leachate samples were analyzed at ten-fold dilutions due to the leachate matrix; however, all TCLP regulatory limits were achieved.

2. All surrogate recoveries were within EPA QC limits.

3. All matrix spike recoveries were within EPA QC limits.

4. All internal standard area and retention time criteria were met.

FEB 9 RECEIVED EDMS

J. Peter Hershey, Ph.D.
Laboratory Manager
Lionville Analytical Laboratory

08.06.93
Date

sma/voa/07-322v.cn

0011

Pink - Lab
Green - Data Yellow - Client

WESTON Analytics Use Only
93071L.3a2

# Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 1

Client: Westinghouse - Hanford
Est. Final Proj. Sampling Date:
Work Order #: 061168-002-001-9999 00
Project Contact/Phone #:
AD Project Manager: 7/27/93 Josie Edwards
QC: CLP SW846 Del: CLP special TAT: 10 DAY
Date Rec'd: 7/24/93 Date Due: 8/3/93
Account #: US HANFORD

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerator # | | | | | | | | 6 | 4 | 4 | | | | | | | | | |
| #/Type Container | Liquid | | | | | | | | | | | | | | | | | | |
| | Solid | | | | | | | 1/6L | 500ml | 1/6L | | | | | | | | | |
| Volume | Liquid | | | | | | | | | | | | | | | | | | |
| | Solid | | | | | | | 1Bml | 50ml | 1Bml | | | | | | | | | |
| Preservatives | | | | | | | | | | | | | | | | | | | |
| ANALYSES REQUESTED | | ORGANIC | | | | | | TPH 8015m | TCLP | TCLV | INORG | | | | | | | | |
| | | VOA | BNA | Pest/PCB | Herb | | | | | | Metal | CN | | | | | | | |

| MATRIX CODES: | Lab ID | Client ID/Description | Matrix QC Chosen (✓) MS | MSD | Matrix | Date Collected | Time Collected | WESTON Analytics Use Only: 06034T | 06035T | 06038T | 07168T | 06CSG | 1TCLP | 1TCLV | RCRAFCL | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S - Soil | 001 | BOBNPØ | | | SO | 7/22/93 | 1050 | | | | | X | X | X | | | | | | | |
| SE - Sediment | 002 | BOBNP1 | | | SO | 7/22/93 | 1345 | | | | | X | X | X | | | | | | | |
| SO - Solid | 003 | BOBNPØ TCLV of 001 | | | L | 7/28/93 | | X | | | | | | | | | | | | | |
| SL - Sludge | 004 | BOBNP1 TCLV of 002 | | | L | 7/28/93 | | X | | | | | | | | | | | | | |
| W - Water | 005 | BOBNPØ TCLP of 001 | | | L | 7/28/93 | | | X | X | X | | | | X | | | | | | |
| O - Oil | 006 | BOBNP1 TCLP of 002 | | | L | 7/28/93 | | | X | X | X | | | | X | | | | | | |
| A - Air | | | | | | | | | | | | | | | | | | | | | |
| DS - Drum Solids | | | | | | | | | | | | | | | | | | | | | |
| DL - Drum Liquids | | | | | | | | | | | | | | | | | | | | | |
| L - EP/TCLP Leachate | | | | | | | | | | | | | | | | | | | | | |
| WI - Wipe | | | | | | | | | | | | | | | | | | | | | |
| X - Other | | | | | | | | | | | | | | | | | | | | | |
| F - Fish | | | | | | | | | | | | | | | | | | | | | |
| | | Priority Turnaround | | | | | | | | | | | | | | | | | | | |

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
Temp = 8.8°C
SAF93-181
RCRA Protocol

DATE/REVISIONS/
7/27/93 1. Change QC to SW846
2. Del to special per SAF93-181
7/29/93 3. Record leachate date for 003 + 004
7/30/93 4. Record leachate date for 005 + 006
5.
6.

WESTON Analytics Use Only

Samples were: 1) Shipped X or Hand Delivered Airbill # 9708472405
2) Ambient or (Chilled)
3) Received in Good Condition (Y) or N
4) Labels Indicate Properly Preserved (Y) or N
5) Received Within Holding Times (Y) or N

COC Tape was: 1) Present on Outer Package (Y) or N
2) Unbroken on Outer Package (Y) or N
3) Present on Sample (Y) or N
4) Unbroken on Sample (Y) or N
COC Record Present Upon Sample Rec't (Y) or N

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| Burlington | B Shuff | 7/24/93 | 11:30 pm |
| | BBS 7/24/93 | | |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| | BBS 7/24/93 | | |

Discrepancies Between Samples Labels and COC Record? Y or (N)
NOTES:

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# ____ Cooler# ____ 381-596a

9614407.2287

Westinghouse Hanford Company

# CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Page 1 of 1

004494

9307L322

0003

Collector M.L.MYERS/L.GUERRA | Company Contact C.E.HEIDEN | Telephone 376-2640

SAF No. 93-181 | Project Designation Operable Unit - 100-IU-1 | Sampling Location RIVERLAND

Ice Chest No. | Bill of Lading/Airbill No. | Offsite Property No.

Method of Shipment AIR OVERNIGHT | Field Logbook No. WHC-N-205

Shipped to ROY F. WESTON LABORATORIES,

Possible Sample Hazards/Remarks UNKNOWN, SUBJECT TO ANALYSIS/PRIORITY TURNAROUND REQUESTED/CERCLA PROTOCOL

Special Handling and/or Storage Shipped on WET ICE. KEEP AT 4 DEGREES C

| | Sample Number | * | Date Collected | Time | Number and Type of Containers | Analysis Required | Preservative |
|---|---|---|---|---|---|---|---|
| 001 | B08NP0 | SO | 7/22/93 | 1000 | 2, AG 500ML | TOTAL TCLP/METHOD 1311-SEMI-VOA,PCB/PEST,HERBICIDES,METALS,HG | N/A |
| | | | | | 1, Gs 125ML | TCLP-VOA, METHOD 1311 | N/A |
| | | | | | 1, Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | N/A |
| 002 | B08NP1 | SO | 7/22/93 | 1345 | 2, AG 500 ML | TOTAL TCLP/METHOD 1311-SEMI-VOA,PCB/PEST,HERBICIDES,METALS,HG | |
| | | | | | 1,Gs 125ML | TCLP-VOA, METHOD 1311 | |
| | | | | | 1,Gs 125ML | TPH-DIESEL RANGE, METHOD 8015M | |
| | | | | | | | |
| | | | | | | 7-23-93 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Chain of Possession (Sign and Print Names)

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| [illegible] | 1/23/93 | | |
| Burlington | 7/24/93 11:00 am | Brian E Shaff | 7/24/93 11:00 am |
| Relinquished By | Date/Time | Received By | Date/Time |

PRIORITY TURNAROUND.
CONCRETE HAS BEEN CRUSHED AS MUCH AS POSSIBLE,THERE MAY BE HEADSPACE IN VOA DUE TO MATRIX,PLEASE ANALIZE ANYWAY
Temp = 8.8°C

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

LABORATORY SECTION | Received By Brian E. Shaff | Title UNIT leader | Date/Time 7/24/93 11:00 am

Final Sample Disposition | Disposal Method: | Disposed by: | Date/Time:

9227 0014 7

(SATURDAY) 9613407.2289
AIR OVERNIGHT

| Contractor | OFF-SITE PROPERTY CONTROL | CONTROL NUMBER (To be obtained from PROPERTY MANAGEMENT) |
|---|---|---|
| WHC WESTINGHOUSE HANFORD | | W93-0-0551-49 |

**PART I – TO BE COMPLETED BY ORIGINATOR**

| Department | Section | Unit |
|---|---|---|
| PROCESSING & analytical LAB | ANALYTICAL CHEMISTRY | SAMPLING & MOBILE LABORATORIES |

The following items are to be shipped from ☒ Contractor ☐ Vendor

Routing ☒ Contractor ☐ Vendor

| Shipped to | Off-site Custodian |
|---|---|
| ROY F. WESTON INC.<br>256 WELSH ROAD<br>L LIONVILLE PA, 19341-1313 | JOSIE KING<br>Full Title<br>NA |

| Quantity | Description (Include Serial and any Government Tag Numbers) | Original Cost |
|---|---|---|
| 1 | POLYCOOLER # SWL-149. SAMPLES ARE DOUBLE BAGGED AND PACKED ON WET ICE. | |
| GROSS WT. 15 # | SAMPLE #'S - B08NP0 AND B08NP1 | |

☐ Classified ☒ Unclassified ☐ Shipped Under DOE Contract ☐ Shipped Under Contractor's Use Permit Contract

Necessity for the Off-Site Use of this Property

SAMPLES REQUIRE ANALYSIS WHICH ARE NOT CURRENTLY AVAILABLE AT THIS SITE

SAF# 93-101, 100-IU OPERABLE UNIT/RIVERLAND
COC#- 004494

BEST AVAILABLE COPY

BILL OF LADING # 970892 403

*CERTIFICATION OF THE RADIATION MONITORING RELEASE MUST BE SECURED THE SAME DAY THAT MATERIAL IS DELIVERED TO SHIPPING.*

| RM Clearance for Public Release | RM Survey No | Date |
|---|---|---|
| EXEMPT FACILITY | | |

| Location of Property (Area & Bldg.) | Contact | Phone |
|---|---|---|
| 2025 annex/300 west | M.L.MYERS | 3[illegible]2640 |

| Date Ready for Shipment | Cost Code to be Charged | Approximate Date This Property will be Returned |
|---|---|---|
| 7/23/93 | PB62F org code 12911 | na |

| Originated By | Date | Authorized By | Date |
|---|---|---|---|
| M.L.MYERS | 7/23/93 | J.F.HYATT | 7/23/93 |

| Signature and Name of Property Control | Custodian Date | Property Management Approval | Date |
|---|---|---|---|
| | | [illegible] | 7/23/93 |

**PART II – TO BE COMPLETED BY SHIPPING**

| Signature of Recipient | Return Order No. | Date Issued | Purchase Order No. | Date Issued |
|---|---|---|---|---|
| [illegible] 7-23-93 | | | | |
| Date | | | | |

**DISTRIBUTION**

0005

| By Originator | Shipping Operation – Sign all Copies and Forward to: |
|---|---|
| White, Green, Yellow, Pink – Property Management<br>Goldenrod – Retain | White – Property Management<br>Yellow – Retain<br>Green – Property Control Custodian (Issuing Office)<br>Pink – Originator |

54-2000-479 (09-89)

001 001

**BURLINGTON AIR EXPRESS**

CORPORATE SUPPORT GROUP
18200 VON KARMAN AVE
IRVINE, CA 92715

970 892 403
AIRBILL NUMBER

| DATE | ORIGIN | DEST. SORT CODE |
|---|---|---|
| 07-13-93 | | |

**1 SHIPPER'S REFERENCE NO**: WESTINGHOUSE PUGET W93-0551 Rev
SHIPPER'S ACCOUNT NO:
COMPANY: BL MYERS 539
DEPT./FLOOR:
FROM (YOUR NAME): WESTINGHOUSE SHIPPING DEPT. (509) 375-501
PHONE NO:
STREET ADDRESS:
CITY:
STATE:
ZIP (REQUIRED):

**2 CONSIGNEE'S REFERENCE NO**:
CONSIGNEE'S ACCOUNT NO:
COMPANY: WF WESTON INC
DEPT./FLOOR:
TO (CONSIGNEE NAME): WF WESTON INC
PHONE NO:
ACCURATE STREET ADDRESS (BURLINGTON CANNOT DELIVER TO A P.O. BOX): 255 WELSH POOL ROAD
CITY: LANSDALE
STATE: PA
ZIP (REQUIRED): 19446

C.O.D.
$

CONSIGNEE'S CHECK OK
MARK IF APPLICABLE ☐
BURLINGTON AIR EXPRESS WILL COLLECT CONSIGNEE'S CHECK WHEN PAYABLE ONLY TO THE SHIPPER FOR THE VALUE OF THE GOODS IN THE AIRBILL SHOWN ABOVE

DECLARED VALUE
$

LIMIT OF LIABILITY
LIABILITY IS AGREED AND UNDERSTOOD TO BE $50.00 OR $.50 PER POUND WHICHEVER IS GREATER UNLESS A HIGHER VALUE IS DECLARED AND APPLICABLE CHARGES PAID. SEE REVERSE SIDE OF AIRBILL PARAGRAPH 8 FOR DECLARED VALUE LIMITATIONS.

**1-800-CALL-BAX**
FOR INFORMATION OR THE BAX OFFICE NEAREST YOU

BEST AVAILABLE COPY

0006

**4 BILLING INFORMATION**

- [X] PREPAID (SHIPPER) $ _____ CASH RECEIVED (PAID IN ADVANCE)
- [ ] COLLECT (CONSIGNEE)
- [ ] 3RD PARTY (ACCT. NO. OR BILLING ADDRESS REQ'D.)

ACCOUNT NO.:
COMPANY/NAME:
STREET ADDRESS:
CITY:
STATE:
ZIP:

970 892 403
AIRBILL NUMBER

**5 SERVICE REQUESTED**

- [ ] OVERNIGHT (NEXT BUSINESS DAY)
- [ ] SECOND DAY
- [ ] NEXT FLIGHT OUT
- [ ] _____

CHECK BELOW IF PACKAGE IS
- [ ] LETTER
- [ ] G.O.H. (GARMENT ON HANGER)

**6 HANDLING INFORMATION** (* SPECIAL RATE MAY APPLY)

- [ ] HOLD AT BAX
- [ ] *DANGEROUS GOODS
- [X] *SATURDAY DELIVERY
- [ ] *SPECIAL DELIVERY
- [ ] *CONVENTION
- [ ] *GOVERNMENT SHIPMENT

SPECIAL INSTRUCTIONS / ADDITIONAL REFERENCE INFORMATION:

| NO. OF PCS | WEIGHT | LENGTH | WIDTH | HEIGHT | DESCRIPTION |
|---|---|---|---|---|---|
| 1 | 45 | | | | [illegible] |

| TOTAL PCS | TOTAL WT |
|---|---|
| 1 | 45 LBS |

_____ SKID(S) SAID TO CONTAIN _____ NO. OF PIECES

RATE QUOTE NUMBER:

RECEIVED BY BAX AT: [ ] SHIPPER'S DOOR [ ] BAX TERMINAL

TIME/DATE OF PICK UP:
DRIVER NO.:

OUTSIDE CARRIER:
CHARGES ADVANCED: $
PRO NUMBER:
CARRIER NAME:

**7 SIGNATURE OF SHIPPER**: X

RELEASE SIGNATURE (SENDER AUTHORIZES BAX TO DELIVER SHIPMENT WITHOUT A DELIVERY SIGNATURE AS PER CONDITIONS ON REVERSE OF THIS PAGE.): X

SIGNED FOR BAX: X

OP 100 (11-92)

CONSIGNEE COPY

Roy F. Weston, Inc. - Lionville Laboratory
Volatiles by GC/MS, TCLP Leachate

Report Date: 08/03/93 10:01

RFW Batch Number: 9307L322 Client: WESTINGHOUSE HANFORD Work Order: 06168002001 Page: 1a

| | Cust ID: | B08NP0 | | B08NP1 | | B08NP1 | | B08NP1 | | VBLK | | VBLK | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Information | RFW#: | 003 | | 004 | | 004 MS | | 004 MSD | | 93LVB203-MB1 | | 93LVB204-MB1 | |
| | Matrix: | WATER | | WATER | | WATER | | WATER | | WATER | | WATER | |
| | D.F.: | 10.0 | | 10.0 | | 10.0 | | 10.0 | | 1.00 | | 1.00 | |
| | Units: | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Surrogate Recovery | Toluene-d8 | 92 | % | 97 | % | 92 | % | 98 | % | 95 | % | 95 | % |
| | Bromofluorobenzene | 87 | % | 90 | % | 86 | % | 92 | % | 89 | % | 92 | % |
| | 1,2-Dichloroethane-d4 | 99 | % | 107 | % | 99 | % | 106 | % | 98 | % | 105 | % |
| Vinyl Chloride | | 100 | U | 100 | U | 106 | % | 125 | % | 10 | U | 10 | U |
| 1,1-Dichloroethene | | 50 | U | 50 | U | 99 | % | 117 | % | 5 | U | 5 | U |
| Chloroform | | 50 | U | 50 | U | 87 | % | 102 | % | 5 | U | 5 | U |
| 1,2-Dichloroethane | | 50 | U | 50 | U | 95 | % | 110 | % | 5 | U | 5 | U |
| 2-Butanone | | 100 | U | 100 | U | 73 | % | 92 | % | 10 | U | 10 | U |
| Carbon Tetrachloride | | 50 | U | 50 | U | 89 | % | 102 | % | 5 | U | 5 | U |
| Trichloroethene | | 50 | U | 50 | U | 89 | % | 106 | % | 5 | U | 5 | U |
| Benzene | | 50 | U | 50 | U | 95 | % | 106 | % | 5 | U | 5 | U |
| Tetrachloroethene | | 50 | U | 50 | U | 88 | % | 105 | % | 5 | U | 5 | U |
| Chlorobenzene | | 50 | U | 50 | U | 90 | % | 104 | % | 5 | U | 5 | U |

*= Outside of EPA CLP QC limits.

9615407.2292

1A

# VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B08NP0

Lab Name: Roy F. Weston, Inc. Work Order: 06168002001

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9307L322-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: B072811

Level: (low/med) LOW

Date Received: 07/24/93

% Moisture: not dec. _____

Date Analyzed: 07/28/93

Column: (pack/cap) CAP

Dilution Factor: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 75-01-4 | Vinyl Chloride | 100 | U |
| 75-35-4 | 1,1-Dichloroethene | 50 | U |
| 67-66-3 | Chloroform | 50 | U |
| 107-06-2 | 1,2-Dichloroethane | 50 | U |
| 78-93-3 | 2-Butanone | 100 | U |
| 56-23-5 | Carbon Tetrachloride | 50 | U |
| 79-01-6 | Trichloroethene | 50 | U |
| 71-43-2 | Benzene | 50 | U |
| 127-18-4 | Tetrachloroethene | 50 | U |
| 108-90-7 | Chlorobenzene | 50 | U |

FORM 1 V-1 12/88 Rev.

9613407.2293

1A

# VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B08NP1

Lab Name: Roy F. Weston, Inc. Work Order: 06168002001

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9307L322-004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: B072906

Level: (low/med) LOW

Date Received: 07/24/93

% Moisture: not dec. _____

Date Analyzed: 07/29/93

Column: (pack/cap) CAP

Dilution Factor: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 75-01-4 | Vinyl Chloride | 100 | U |
| 75-35-4 | 1,1-Dichloroethene | 50 | U |
| 67-66-3 | Chloroform | 50 | U |
| 107-06-2 | 1,2-Dichloroethane | 50 | U |
| 78-93-3 | 2-Butanone | 100 | U |
| 56-23-5 | Carbon Tetrachloride | 50 | U |
| 79-01-6 | Trichloroethene | 50 | U |
| 71-43-2 | Benzene | 50 | U |
| 127-18-4 | Tetrachloroethene | 50 | U |
| 108-90-7 | Chlorobenzene | 50 | U |

FORM 1 V-1 12/88 Rev.

**ROY F. WESTON, INC.**
**LIONVILLE ANALYTICAL LABORATORY**
**ANALYTICAL CASE NARRATIVE**

**Client:** WESTINGHOUSE HANFORD
**RFW #:** 9307L322

**W.O. #:** 06168-002-001-9999-00
**Date Received:** 07-24-93

**GC SCAN**

The set of samples consisted of two (2) solid samples collected on 07-22-93.

The samples were extracted on 07-27-93 and analyzed by a modified Method 8100 for Diesel Range Petroleum Hydrocarbons on 08-03-93.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. All surrogate recoveries for laboratory control samples were within laboratory control limits.

2. The blank spike recovery for the laboratory control sample was within laboratory control limits.

3. The multi-level Diesel Fuel standards provided calibration data with a correlation coefficient of at least 0.996.

4. Seven (7) to ten (10) hydrocarbon peaks were used to quantitate Diesel Fuel in standards and spikes. The Diesel Fuel result for sample B08NP0 was recalculated using 6 hydrocarbon peaks, which yielded a result of 710 mg/Kg, a value which was slightly different than the result of 720 mg/Kg which was originally reported for this sample.

5. Continuing calibration criteria (15%) were met for all continuing standards analyzed before the sample extracts.

6. The chromatograms associated with both of the sample extracts exhibited large, late eluting responses which appeared in the retention time region characteristic of motor oil. Estimated concentrations of the contamination measured as motor oil were as follows:

| RFW # | Client ID | Motor Oil(mg/Kg) |
|---|---|---|
| 9307L322-001 | B08NP0 | 3,300 |
| 9307L322-002 | B08NP1 | 5,000 |

WESTON
MANAGERS DESIGNERS/CONSULTANTS

7. Sample B08NP0 and B08NP1 required dilution due to high levels of target compounds.

8. Matrix spike analyses were extracted but were not reported as high levels of target compounds obscured the Diesel Fuel recoveries.

J. Peter Hershey, Ph.D.
Laboratory Manager
Lionville Analytical Laboratory

08.17.93
Date

jl/sma/jkd/misc/07-322.gc

Roy F. Weston, Inc. - Lionville Laboratory
GC SCAN

Report Date: 08/12/93 16:01

RFW Batch Number: 9307L322 Client: WESTINGHOUSE HANFORD Work Order: 06168002001 Page: 1

| | | | | | |
|---|---|---|---|---|---|
| | Cust ID: | B08NP0 | B08NP1 | BLK | BLK BS |
| Sample Information | RFW#: | 001 | 002 | 93LLC181-MB1 | 93LLC181-MB1 |
| | Matrix: | SOLID | SOLID | SOIL | SOIL |
| | D.F.: | 5.00 | 25.0 | 1.00 | 1.00 |
| | Units: | mg/kg | mg/kg | mg/kg | mg/kg |
| | p-Terphenyl | I % | D % | 125 % | 125 % |
| Diesel | | 710 | 100 U | 4.0 U | 91 % |

0007 mg.1242
0007

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

9613407.2296

9613407.2297

WESTON

# ROY F. WESTON, INC.
# LIONVILLE ANALYTICAL LABORATORY
# ANALYTICAL CASE NARRATIVE

**Client:** WESTINGHOUSE HANFORD
**RFW #:** 9307L322

**W.O. #:** 06168-002-001-9999-00
**Date Received:** 07-24-93

## SEMIVOLATILE

The set of samples consisted of leachate samples generated on 07-28-93 from solid samples collected on 07-22-93.

The samples were extracted on 07-29-93 and analyzed according to criteria set forth in SW 846 Method 8270 for TCL Semivolatile target compounds on 08-02-93.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. Leachate samples were extracted at ten-fold dilutions due to the leachate matrix; however, all TCLP regulatory limits were achieved.

2. All surrogate recoveries were within EPA QC limits.

3. All matrix spike recoveries were within EPA QC limits.

4. All blank spike recoveries were within EPA QC limits.

5. All internal standard area and retention time criteria were met.

Steven Ott Brownthorn

J. Peter Hershey, Ph.D.
Laboratory Manager
Lionville Analytical Laboratory

08.05.93
Date

sma/bna/07-322b.cn

0011

Roy F. Weston, Inc. - Lionville Laboratory
Semivolatiles by GC/MS, TCLP Leachate

Report Date: 08/03/93 09:25

RFW Batch Number: 9307L322 Client: WESTINGHOUSE HANFORD Work Order: 06168002001 Page: 1a

| | Cust ID: | B08NP0 | B08NP1 | B08NP1 | B08NP1 | SBLK | SBLK BS |
|---|---|---|---|---|---|---|---|
| Sample Information | RFW#: | 005 | 006 | 006 MS | 006 MSD | 93LE1300-MB1 | 93LE1300-MB1 |
| | Matrix: | WATER | WATER | WATER | WATER | WATER | WATER |
| | D.F.: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | Units: | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| Surrogate Recovery | Nitrobenzene-d5 | 78 % | 71 % | 81 % | 90 % | 90 % | 90 % |
| | 2-Fluorobiphenyl | 44 % | 45 % | 60 % | 72 % | 70 % | 72 % |
| | p-Terphenyl-d14 | 72 % | 76 % | 86 % | 93 % | 94 % | 89 % |
| | Phenol-d5 | 35 % | 38 % | 40 % | 41 % | 41 % | 41 % |
| | 2-Fluorophenol | 48 % | 53 % | 54 % | 56 % | 50 % | 55 % |
| | 2,4,6-Tribromophenol | 91 % | 102 % | 112 % | 108 % | 95 % | 108 % |
| | | fl | fl | fl | fl | fl | fl |
| Pyridine | | 100 U | 100 U | 40 % | 42 % | 10 U | 44 % |
| 1,4-Dichlorobenzene | | 100 U | 100 U | 44 % | 49 % | 10 U | 50 % |
| 2-Methylphenol | | 100 U | 100 U | 79 % | 81 % | 10 U | 80 % |
| 3- and/or 4-Methylphenol | | 100 U | 100 U | 71 % | 72 % | 10 U | 71 % |
| Hexachloroethane | | 100 U | 100 U | 45 % | 52 % | 10 U | 48 % |
| Nitrobenzene | | 100 U | 100 U | 72 % | 80 % | 10 U | 81 % |
| Hexachlorobutadiene | | 100 U | 100 U | 60 % | 68 % | 10 U | 67 % |
| 2,4,6-Trichlorophenol | | 100 U | 100 U | 72 % | 73 % | 10 U | 72 % |
| 2,4,5-Trichlorophenol | | 500 U | 500 U | 74 % | 68 % | 50 U | 69 % |
| 2,4-Dinitrotoluene | | 100 U | 100 U | 67 % | 71 % | 10 U | 63 % |
| Hexachlorobenzene | | 100 U | 100 U | 122 % | 128 % | 10 U | 123 % |
| Pentachlorophenol | | 500 U | 500 U | 86 % | 97 % | 50 U | 56 % |

*= Outside of EPA CLP QC limits.

9613407.2298

9613407.2299

1B

# SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B08NP0

Lab Name: Roy F. Weston, Inc. Work Order: 06168002001

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9307L322-005

Sample wt/vol: 100 (g/mL) ML

Lab File ID: A080207

Level: (low/med) LOW

Date Received: 07/24/93

% Moisture: not dec. _____ dec.

Date Extracted: 07/29/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/02/93

GPC Cleanup: (Y/N) N pH: 10

Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 110-86-1 | Pyridine | 100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 100 | U |
| 95-48-7 | 2-Methylphenol | 100 | U |
| 106-44-5 | 3- and/or 4-Methylphenol | 100 | U |
| 67-72-1 | Hexachloroethane | 100 | U |
| 98-95-3 | Nitrobenzene | 100 | U |
| 87-68-3 | Hexachlorobutadiene | 100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 100 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 500 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 100 | U |
| 118-74-1 | Hexachlorobenzene | 100 | U |
| 87-86-5 | Pentachlorophenol | 500 | U |

FORM 1 SV-1 12/88 Rev.

9613407.2300

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B08NP1

Lab Name: Roy F. Weston, Inc. Work Order: 06168002001

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9307L322-006

Sample wt/vol: 100 (g/mL) ML Lab File ID: A080208

Level: (low/med) LOW Date Received: 07/24/93

% Moisture: not dec. _____ dec. Date Extracted: 07/29/93

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/02/93

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 110-86-1 | Pyridine | 100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 100 | U |
| 95-48-7 | 2-Methylphenol | 100 | U |
| 106-44-5 | 3- and/or 4-Methylphenol | 100 | U |
| 67-72-1 | Hexachloroethane | 100 | U |
| 98-95-3 | Nitrobenzene | 100 | U |
| 87-68-3 | Hexachlorobutadiene | 100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 100 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 500 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 100 | U |
| 118-74-1 | Hexachlorobenzene | 100 | U |
| 87-86-5 | Pentachlorophenol | 500 | U |

FORM 1 SV-1 12/88 Rev.

**ROY F. WESTON, INC.**
**LIONVILLE ANALYTICAL LABORATORY**
**ANALYTICAL CASE NARRATIVE**

**Client:** WESTINGHOUSE HANFORD
**RFW #:** 9307L322

**W.O. #:** 06168-002-001-9999-00
**Date Received:** 07-24-93

**PESTICIDE**

1. The set of samples consisted of two (2) leachate samples generated on 07-28-93 from solid samples collected on 07-22-93.

2. These samples were analyzed based on SW-846, 3rd Edition, procedures. The extraction procedure used was based on Method 3520 and the extracts were analyzed based on Method 8080.

3. The method blank was below the reporting limits for all target compounds.

4. All blank spike recoveries were within acceptance criteria.

5. All surrogate recoveries were within acceptance criteria with the following exceptions:

| Sample ID | TCX % Recovery | Control Limit |
|---|---|---|
| B08NP1 | 17% | 22% |
| B08NP1 MS | 11% | 22% |

All DCB recoveries were within acceptance criteria.

6. All matrix spike recoveries were within acceptance criteria.

7. All initial and continuing standard calibrations associated with this data set were within acceptance criteria on both the primary and confirmation columns.

J. Peter Hershey, Ph.D.
Laboratory Manager
Lionville Analytical Laboratory

08.10.93
Date

sma/pcb/07-322p.cn

Roy F. Weston, Inc. - Lionville Laboratory
Pesticide by GC, TCLP Leachate

Report Date: 08/03/93 14:04

RFW Batch Number: 9307L322 Client: WESTINGHOUSE HANFORD Work Order: 06168002001 Page: 1

| | Cust ID: | B08NP0 | B08NP1 | B08NP1 | PBLK | PBLK BS | LCHBLK |
|---|---|---|---|---|---|---|---|
| Sample Information | RFW#: | 005 | 006 | 006 MS | 93LE1304-MB1 | 93LE1304-MB1 | 93LTO070-LB1 |
| | Matrix: | WATER | WATER | WATER | WATER | WATER | WATER |
| | D.F.: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | Units: | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| Surrogate: | Decachlorobiphenyl | 85 % | 17 * % | 11 * % | 55 % | 55 % | 83 % |
| | Tetrachloro-m-xylene | 70 % | 72 % | 85 % | 62 % | 70 % | 62 % |
| | | fl | fl | fl | fl | fl | fl |
| Heptachlor | | 0.14 U | 0.13 U | 85 % | 0.10 U | 85 % | 0.12 U |
| alpha-Chlordane | | 1.4 U | 1.3 U | 80 % | 1.0 U | 90 % | 1.2 U |
| gamma-Chlordane | | 1.4 U | 1.3 U | 90 % | 1.0 U | 100 % | 1.2 U |
| gamma-BHC (Lindane) | | 0.14 U | 0.13 U | 90 % | 0.10 U | 90 % | 0.12 U |
| Endrin | | 0.27 U | 0.26 U | 125 % | 0.20 U | 110 % | 0.25 U |
| Methoxychlor | | 1.4 U | 1.3 U | 124 % | 1.0 U | 141 % | 1.2 U |
| Toxaphene | | 2.7 U | 2.6 U | 2.9 U | 2.0 U | 2.0 U | 2.5 U |
| Heptachlor Epoxide | | 0.14 U | 0.13 U | 105 % | 0.10 U | 110 % | 0.12 U |

0008 DEA 7-22-94

DR 8/6/93

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

9413407.2305

# PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B08NP0

Lab Name: Roy F. Weston, Inc. Work Order: 06168002001

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9307L322-005

Sample wt/vol: 370 (g/mL) ML Lab File ID: 08029310.19

Level: (low/med) LOW Date Received: 07/24/93

% Moisture: not dec. _____ dec. Date Extracted: 07/29/93

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/93

GPC Cleanup: (Y/N) N pH: 10 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 76-44-8 | Heptachlor | 0.14 | U |
| 5103-71-9 | alpha-Chlordane | 1.4 | U |
| 5103-74-2 | gamma-Chlordane | 1.4 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.14 | U |
| 72-20-8 | Endrin | 0.27 | U |
| 72-43-5 | Methoxychlor | 1.4 | U |
| 8001-35-2 | Toxaphene | 2.7 | U |
| 1024-57-3 | Heptachlor Epoxide | 0.14 | U |

B.M 8/3/93

FORM 1 PEST 12/88 Rev.

9646407.2304

# PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B08NP1

Lab Name: Roy F. Weston, Inc. Work Order: 06168002001

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9307L322-006

Sample wt/vol: 390 (g/mL) ML Lab File ID: 07309310.29

Level: (low/med) LOW Date Received: 07/24/93

% Moisture: not dec. _____ dec. Date Extracted: 07/29/93

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/31/93

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 76-44-8 | Heptachlor | 0.13 | U |
| 5103-71-9 | alpha-Chlordane | 1.3 | U |
| 5103-74-2 | gamma-Chlordane | 1.3 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.13 | U |
| 72-20-8 | Endrin | 0.26 | U |
| 72-43-5 | Methoxychlor | 1.3 | U |
| 8001-35-2 | Toxaphene | 2.6 | U |
| 1024-57-3 | Heptachlor Epoxide | 0.13 | U |

FORM 1 PEST 12/88 Rev.

**ROY F. WESTON, INC.**
**LIONVILLE ANALYTICAL LABORATORY**
**ANALYTICAL CASE NARRATIVE**

**Client:** WESTINGHOUSE HANDFORD
**RFW #:** 9307L322

**W.O. #:** 06168-002-001-9999-00
**Date Received:** 07-24-93

**HERBICIDE**

1. The set of samples consisted of two (2) leachate samples generated on 07-28-93 from two (2) solid samples collected on 07-22-93.

2. These samples were analyzed based on SW-846, 3rd Edition, procedures. The extraction procedure used was based on Method 3500.1 and the extracts were analyzed based on Method 8150.

3. All required holding times for extraction and analysis were met.

4. The method blank was below the reporting limits for all target compounds.

5. All blank spike recoveries were within acceptance criteria.

6. All surrogate recoveries were within acceptance criteria.

7. All matrix spike recoveries were within acceptance criteria.

8. All initial and continuing standard calibrations associated with this data set were within acceptance criteria on both the primary and confirmation columns.

08.05.93
Date

J. Peter Hershey, Ph.D.
Laboratory Manager
Lionville Analytical Laboratory

sma/jkd/her/07-322ch.cn

Roy F. Weston, Inc. - Lionville Laboratory
HERBICIDES BY GC, TCLP LEACHATE
Report Date: 08/02/93 08:35

RFW Batch Number: 9307L322 Client: WESTINGHOUSE HANFORD Work Order: 06168002001 Page: 1

0007 DEA 7-22-94

| | Cust ID: | B08NP0 | | B08NP1 | | B08NP1 | | PBLK | | PBLK BS | | LCHBLK | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Information | RFW#: | 005 | | 006 | | 006 MS | | 93LE1302-MB1 | | 93LE1302-MB1 | | 93LTO070-LB1 | |
| | Matrix: | WATER | | WATER | | WATER | | WATER | | WATER | | WATER | |
| | D.F.: | 1.00 | | 1.00 | | 1.00 | | 1.00 | | 1.00 | | 1.00 | |
| | Units: | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Surrogate: | DCAA | 109 | % | 95 | % | 105 | % | 102 | % | 102 | % | 109 | % |
| | | | fl | | fl | | fl | | fl | | fl | | fl |
| 2,4-D | | 10 | U | 10 | U | 101 | % | 10 | U | 106 | % | 10 | U |
| 2,4,5-TP (Silvex) | | 5.0 | U | 5.0 | U | 93 | % | 5.0 | U | 101 | % | 5.0 | U |
| 2,4,5-T | | 5.0 | U | 5.0 | U | 97 | % | 5.0 | U | 104 | % | 5.0 | U |

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

DR 8/3/93

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9613407.2307

1D

# PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B08NP0

Lab Name: Roy F. Weston, Inc. Work Order: 06168002001

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9307L322-005

Sample wt/vol: 100 (g/mL) ML Lab File ID: 07239328.85

Level: (low/med) LOW Date Received: 07/24/93

% Moisture: not dec. _____ dec. Date Extracted: 07/29/93

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/30/93

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 94-75-7 | 2,4-D | 10 | U |
| 93-72-1 | 2,4,5-TP (Silvex) | 5.0 | U |
| 93-76-5 | 2,4,5-T | 5.0 | U |

DR 8/3/93

FORM 1 PEST 12/88 Rev.

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ID

# PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B08NP1

Lab Name: Roy F. Weston, Inc. Work Order: 06168002001

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9307L322-006

Sample wt/vol: 100 (g/mL) ML Lab File ID: 07239328.86

Level: (low/med) LOW Date Received: 07/24/93

% Moisture: not dec. _____ dec. Date Extracted: 07/29/93

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/30/93

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 94-75-7 | 2,4-D | 10 | U |
| 93-72-1 | 2,4,5-TP (Silvex) | 5.0 | U |
| 93-76-5 | 2,4,5-T | 5.0 | U |

JR 8/3/93

FORM 1 PEST 12/88 Rev.

9613407.2309

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**ROY F. WESTON, INC.**
**LIONVILLE ANALYTICAL LABORATORY**
**ANALYTICAL CASE NARRATIVE**

**Client :** WESTINGHOUSE HANFORD
**RFW# :** 9307L322

**W.O. #:** 06168-002-001-9999-00
**Date Received:** 07-24-93

**INORGANIC**

The following is a summary of the quality control results and a description of any problems encountered during the analysis of this batch of samples:

1. The replicate result is summarized on the Inorganic Precision Report contained within this document. The result was within the 20% RPDs guidance limit.

2. The analytical methods applied by the laboratory, unless otherwise requested, for the analysis of solid samples are derived from Test Methods for Evaluating Solid Waste (USEPA SW846).

J. Peter Hershey, Ph.D.
Laboratory Manager
Lionville Analytical Laboratory

8.3.93
Date

pas/i07-322

0001

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/30/93

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9307L322

WORK ORDER: 06168-002-001-9999-00

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING LIMIT | DILUTION FACTOR |
|---|---|---|---|---|---|---|
| -001 | B08NP0 | % Solids | 95.7 | % | 0.10 | 1.0 |
| -002 | B08NP1 | % Solids | 93.9 | % | 0.10 | 1.0 |

**ROY F. WESTON, INC.**
**LIONVILLE ANALYTICAL LABORATORY**
**ANALYTICAL CASE NARRATIVE**

**Client:** WESTINGHOUSE HANFORD
**RFW #:** 9307L322

**W.O. #:** 06168-002-001-9999-00
**Date Received:** 07-24-93

## CLP METALS

1. This narrative covers the analyses of two (2) TCLP Leachate samples generated from two (2) solid samples.

2. The samples were prepared and analyzed in accordance with the following protocols: SW-846.

3. ICVs, CCVs, and LCSs stock standards were purchased from Inorganic Ventures Laboratory and High Purity.

4. All analyses were performed within the required holding times.

5. All Initial and Continuing Calibration Verifications (ICV/CCV's) were within control limits.

6. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits.

7. All Preparation/Method Blanks were below Reporting Limits.

8. All ICP Interference Check Samples (ICSA and ICSAB) were within control limits.

9. All Laboratory Control Samples (LCS) were within the 80-120% control limits.

10. The code CV is currently in use by the laboratory for both mercury instruments in operation (HG1 and HG2). HG1 is complete with autosampler and software, but still requires manual digestion; HG2 is operated by the analyst, produces a strip chart and also requires manual digestion.

11. HG1 requires less total volume of digestate due to the autosampler analysis. Sample volumes and reagents for mercury determinations in water and soil have been proportionally scaled down to adapt to this semi-automated technique. The sample volume used for water analysis is 33 ml. For soils, 0.1 gram of sample is taken to a final volume of 50 ml (including all reagents).

WESTON
MANAGERS DESIGNERS/CONSULTANTS

12. The TCLP extract from sample 006 was selected for the matrix spike for this analytical batch.

Raymond A. Siery
Inorganic Section Manager
Lionville Analytical Laboratory

8.9.93
Date

mlj/clp-met.nar

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 08/06/93

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9307L322

WORK ORDER: 06168-002-001-9999-00

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT | DILUTION FACTOR |
|---|---|---|---|---|---|---|---|
| -005 | B08NP0 | Silver, TCLP Leachate | 10.0 | u | UG/L | 10.0 | 1.0 |
| | | Arsenic, TCLP Leachate | 100 | u | UG/L | 100 | 1.0 |
| | | Barium, TCLP Leachate | 301 | | UG/L | 200 | 1.0 |
| | | Cadmium, TCLP Leachate | 5.0 | u | UG/L | 5.0 | 1.0 |
| | | Chromium, TCLP Leachate | 20.7 | | UG/L | 10.0 | 1.0 |
| | | Mercury, TCLP Leachate | 0.20 | u | UG/L | 0.20 | 1.0 |
| | | Lead, TCLP Leachate | 90.0 | u | UG/L | 90.0 | 1.0 |
| | | Selenium, TCLP Leachate | 100 | u | UG/L | 100 | 1.0 |
| -006 | B08NP1 | Silver, TCLP Leachate | 10.0 | u | UG/L | 10.0 | 1.0 |
| | | Arsenic, TCLP Leachate | 100 | u | UG/L | 100 | 1.0 |
| | | Barium, TCLP Leachate | 490 | | UG/L | 200 | 1.0 |
| | | Cadmium, TCLP Leachate | 24.2 | | UG/L | 5.0 | 1.0 |
| | | Chromium, TCLP Leachate | 12.7 | | UG/L | 10.0 | 1.0 |
| | | Mercury, TCLP Leachate | 0.20 | u | UG/L | 0.20 | 1.0 |
| | | Lead, TCLP Leachate | 90.0 | u | UG/L | 90.0 | 1.0 |
| | | Selenium, TCLP Leachate | 100 | u | UG/L | 100 | 1.0 |