N00213.AR.000205
NAS KEY WEST
5090.3a

PROJECT COMPLETION REPORT FOR INTERIM REMEDIAL ACTION AT SOLID WASTE MANAGEMENT UNITS 1, 2  3 AND 7 NAS KEY WEST FL
4/25/1997
BECHTEL ENVIRONMENTAL INC

0202

# PROJECT COMPLETION REPORT

## AT THE
## NAVAL AIR STATION
## KEY WEST, FLORIDA

## DELIVERY ORDER 0004
## VOLUME II

Prepared for

**DEPARTMENT OF THE NAVY**
**SOUTHERN DIVISION**
**NAVAL FACILITIES ENGINEERING COMMAND**

Under Contract No. N62467-93-D-0936

Prepared by

**BECHTEL ENVIRONMENTAL, INC.**
**OAK RIDGE, TENNESSEE**

**BECHTEL JOB NO. 22567**

Z10.1 613

013916

# PROJECT COMPLETION REPORT

AT THE
NAVAL AIR STATION
KEY WEST, FLORIDA

DELIVERY ORDER NO. 0004

VOLUME II

WASTE MANIFESTS
and
LABORATORY RESULTS

Prepared for

DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND

Contract No: N62467-93-D-0936

Prepared by

BECHTEL ENVIRONMENTAL, INC.
OAK RIDGE, TENNESSEE

FINAL

Bechtel Job No. 22567

## Volume II

Volume II contains waste manifest information and laboratory results. The information is organized by site.

Waste manifest information contains the following:

- Waste characterization form
- Acceptance form from disposal facility
- Example waste manifest form
- Example certificate of destruction or weight ticket

If a site contained both hazardous and non-hazardous waste, examples are provided for both types of waste.

Examples of manifests and certificates of destruction/weight tickets are provided in lieu of a bulky compilation of documents in the Completion Report. The original documents are stored at NAS Key West as required by regulation.

Laboratory results for all samples collected during and after the Interim Remedial Action are also included in this volume.

# CHAMBERS DEVELOPMENT COMPANY, INC.
# SPECIAL WASTE DISPOSAL APPLICATION

SALES PERSON: George Cuhas

APPLICATION ID #:

DISPOSAL FACILITY: Chambers, FL

APPLICATION DATE: August 16, 1995

## A. GENERAL INFORMATION

Customer Name: Commanding Officer
Address: (SWMU-7) Public Works Center Code 1883
Key West, FL 33040
Phone: 305-293-2583
Contact: Patsy Watson
USEPA ID#: FL6170022952

Waste Type: Soil + Debris
Quantity: 40 yards Per: One Time
Delivery Method: Bulk
Contractor: Associated Environmental Services, Inc.
Contractor's Phone: 615-265-3108
State of Origin: Florida State of Disposal: Florida

## B. WASTE DESCRIPTION

Physical State: Solid (X) Liquid ( ) Gas ( ) Semi-Solid ( )
Single Phased: Yes (X) No ( )
% Solids: 90-95 pH: N/A
% Free Liquids: NONE Color: Light Brown to Gray
% Radioactive Waste: NONE Odor: None
% Asbestos: NONE Flash Point: N/A
Reactive Sulfides (ppm): N/A
Reactive Cyanides (ppm): N/A

PROCESS OF WASTE GENERATION: Spill Clean-up / Remediation Action PCB Spill

CONTENTS OF WASTE BY VOLUME IN %: ~~N/A~~ Soil + Sand 90%, Concrete 10% ~~100%~~

## C. HAZARDOUS CONSTITUENTS

| | Total (ppm) | TCLP (ppm) |
|---|---|---|
| PCB's | <50 | |
| TPH | <50 | |
| BTEX | ND | |
| TOX | ND | |
| **TCLP METALS** | | |
| Arsenic | | ND |
| Barium | | 1.2 |
| Cadmium | | ND |
| Chromium | | 0.18 |
| Lead | | 0.4 |
| Mercury | | ND |
| Selenium | | ND |
| Silver | | ND |
| **TCLP VOLATILES/SEMI-VOLATILES** | | |
| Benzene | | ND |
| Carbon Tetrachloride | | NT |
| Chlorobenzene | | NT |
| Chloroform | | NT |
| m-Cresol | | NT |
| o-Cresol | | NT |
| p-Cresol | | NT |
| 1,4-Dichlorobenzene | | NT |
| 1,2-Dichloroethane | | NT |
| 1,1-Dichloroethene | | NT |
| 2,4-Dinitrotoluene | | NT |
| Hexachlorobenzene | | NT |
| Hexachlorobutadiene | | NT |
| Hexachloroethane | | NT |
| Methyl Ethyl Ketone | | NT |
| Nitrobenzene | | NT |
| Pentachlorophenol | | NT |
| Pyridine | | NT |
| Tetrachloroethene | | NT |
| Trichloroethene | | NT |
| 2,4,5-Trichlorophenol | | NT |
| 2,4,6-Trichlorophenol | | NT |
| Vinyl Chloride | | NT |
| **TCLP HERBICIDES/PESTICIDES** | | |
| Chlordane | | NT |
| Endrin | | NT |
| Heptachlor | | NT |
| Lindane (Gamma-BHC) | | NT |
| Methoxychlor | | NT |
| Silvex (2,4,5-TP) | | NT |
| Toxaphene | | NT |
| 2,4-D | | NT |

## D. CERTIFICATIONS

I certify that the laboratory results identified below are attached as support to the data certified on this application form.

lab name(s): Pace Environmental Laboratories

report date(s): August 15, 1995

sample ID#(s): SWMU-7 90 0664150

Items noted as "NT" Not tested are not suspected chemicals of contamination based upon generators knowledge

By signing this form I certify that:

1. I am the legal generator of the waste described on this form.
2. The waste described on this form is not a regulated Hazardous Waste as defined by the USEPA, the State of Origin or the State of Disposal listed above.
3. This form and its attachments contain true and accurate descriptions of the waste.
4. Any laboratory data used to support the information presented on this form has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, or other applicable regulations or guidelines, of EXACTLY THE SAME WASTE that I will deliver to Chambers for either hauling or disposal.

Certified Signature: x Patricia G. Watson

Date: 8/16/95

**CHAMBERS**
WASTE SYSTEMS OF FLORIDA, INC.
*Environmental protection, Service, Value*

OKEECHOBEE BERMAN ROAD LANDFILL

SPECIAL WASTE APPROVAL NOTIFICATION FORM

DATE: 8.21.95

CUSTOMER: Associated Environmental (Contracted thru Soil Tech)

ATTENTION: Randall L. Veal

RE: U.S. Navy, Key West SWMU-7, GENERATOR

THE SPECIAL WASTE DISPOSAL APPLICATION YOU SUBMITTED FOR THE GENERATOR REFERENCED ABOVE

HAS BEEN APPROVED FOR A PERIOD OF 2 MONTHS BEGINNING 8.21.95

FOR A VOLUME OF 48 cy contaminated concrete & soil

YOUR APPROVAL NUMBER IS OCB9507005. PLEASE ENSURE THIS APPROVAL NUMBER IS ON ALL WASTE MANIFESTS AND CORRESPONDENCE REGARDING THIS WASTE STREAM IN ORDER TO FACILITATE PROPER DISPOSAL AND DOCUMENTATION. YOUR COOPERATION IS APPRECIATED.

SINCERELY,

Susan Williams
SUSAN WILLIAMS
CONTRACT ADMINISTRATOR

C:\123_WORK\SWNOTIFY.WK3

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6 1 7 0 0 2 2 9 5 2
Manifest Document No. 9 5 0 0 1
2. Page 1 of 1

3. Generator's Name and Mailing Address
COMMANDING OFFICER
PUBLIC WORKS CENTER CODE 1883
KEY WEST, FL 33040
Generator's Phone (305) 293-2583

5. Transporter 1 Company Name: SOIL TECH DISTRIBUTOR, INC.
6. US EPA ID Number

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
CHAMBER OKEECHOBEE LANDFILL
10800 N.E. 128th AVE.
OKEECHOBEE, FL 34972
10. US EPA ID Number

A. Transporter's Phone (305) 828-2362
B. Transporter's Phone
C. Facility's Phone (813) 357-0111

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON HAZARDOUS NON RCRA (SOIL W/ LESS THAN 50PPM OF PCB) | 001 | DT | 00020 | Y |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
SUB CONTRACT # 22567-321-SC-0415 (SWMU-7)
APPROVAL # OCB9507005
#25 - TRUCK

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| Patricia A. Watson | Patricia A. Watson | 08 | 21 | 95 |

7. Transporter 1 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| DOMINGO BLANCO | [illegible] | 08 | 21 | 95 |

8. Transporter 2 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

9. Discrepancy Indication Space

0. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | [illegible] | 8 | 24 | 95 |

115645

TRANSPORTER #1

12-BLS-66 Rev. 9/90

CHAMBERS WASTE SYSTEMS OF FLORIDA
OKEECHOBEE BERMAN ROAD LANDFILL

k Number 115645 Waste ID SOL CONTAMINATED SOIL
8/ 4/1995 Time In 08:37 Out 08:37

ghmaster 08 Signature
icle Number ST 007
ERAL TAX ID NO. Rate ($/Ton) $
ount Number 50045007 Minimum Charge $
SOIL TECH
ck Type 9000 State FL Route
mbers Company : NO

f Lading Tons 0.00 Grid Location
f Lading Date 08/24/1995 B/of Lading Num

| Municipality | % | tons | Price | Cty | Municipality | % | tons | Price |
|---|---|---|---|---|---|---|---|---|
| NO MUNICIPALITY | | 18.01 | | | | | | |

Amount 22.00 MINIMUM

| | | | | |
|---|---|---|---|---|
| ss lbs | 60880 | Inbound Scale 1 | Charge | Total Price $ |
| 245 lbs | 24860 | Outbound Scale 2 | MANUAL TICKET | |
| lbs | 36020 | 18.01 tons | Vehicle Capacity | 0 Cu Yds |

CHAMBERS
DEVELOPMENT
ABOVE COPY

# CHAMBERS DEVELOPMENT COMPANY, INC.
# SPECIAL WASTE DISPOSAL APPLICATION

SALES PERSON: George Cubas

APPLICATION ID #:

DISPOSAL FACILITY: Chambers FL

APPLICATION DATE: August 16, 1995

## A. GENERAL INFORMATION

Customer Name: Commanding Officer
Address: (SWMU-3) Public Work Dept. Code 1883
Key West, FL 33040
Phone: 305-293-2583
Contact: Patsy Watson
USEPA ID#: FL6170022952

Waste Type: Soil + Debris
Quantity: 200 Tons Per: one Time
Delivery Method: Bulk
Contractor: Associated Environmental Services, Inc.
Contractor's Phone: 615-265-3108
State of Origin: Florida State of Disposal: Florida

## B. WASTE DESCRIPTION

Physical State: Solid (X) Liquid ( ) Gas ( ) Semi-Solid ( )
Single Phased: Yes (X) No ( )
% Solids: 90-95% pH: N/A
% Free Liquids: NONE Color: Light Brown to Gray
% Radioactive Waste: NONE Odor: None
% Asbestos: NONE Flash Point: N/A
Reactive Sulfides (ppm): NONE
Reactive Cyanides (ppm): NONE

PROCESS OF WASTE GENERATION: Cleanup of an old Burn Pit Petroleum cleanup

CONTENTS OF WASTE BY VOLUME IN %: ~~N/A~~ Soil + Sand 98%, Metal 2%

## D. CERTIFICATIONS

I certify that the laboratory results identified below are attached as support to the data certified on this application form.

Lab name(s): Pace Environmental Laboratories

Report date(s): August 15, 1995

Sample ID#(s): SWMU-3 90 6664109

## C. HAZARDOUS CONSTITUENTS

| | Total (ppm) | TCLP (ppm) |
|---|---|---|
| PCB's | NT | |
| TPH | 1100 | |
| BTEX | ND | |
| TOX | ND | |
| **TCLP METALS** | | |
| Arsenic | | ND |
| Barium | | 1.4 |
| Cadmium | | 0.50 |
| Chromium | | ND |
| Lead | | 0.3 |
| Mercury | | ND |
| Selenium | | ND |
| Silver | | ND |
| **TCLP VOLATILES/SEMI-VOLATILES** | | |
| Benzene | | ND |
| Carbon Tetrachloride | | NT |
| Chlorobenzene | | NT |
| Chloroform | | NT |
| m-Cresol | | NT |
| o-Cresol | | NT |
| p-Cresol | | NT |
| 1,4-Dichlorobenzene | | NT |
| 1,2-Dichloroethane | | NT |
| 1,1-Dichloroethene | | NT |
| 2,4-Dinitrotoluene | | NT |
| Hexachlorobenzene | | NT |
| Hexachlorobutadiene | | NT |
| Hexachloroethane | | NT |
| Methyl Ethyl Ketone | | NT |
| Nitrobenzene | | NT |
| Pentachlorophenol | | NT |
| Pyridine | | NT |
| Tetrachloroethene | | NT |
| Trichloroethene | | NT |
| 2,4,5-Trichlorophenol | | NT |
| 2,4,6-Trichlorophenol | | NT |
| Vinyl Chloride | | NT |
| **TCLP HERBICIDES/PESTICIDES** | | |
| Chlordane | | NT |
| Endrin | | NT |
| Heptachlor | | NT |
| Lindane (Gamma-BHC) | | NT |
| Methoxychlor | | NT |
| Silvex (2,4,5-TP) | | NT |
| Toxaphene | | NT |
| 2,4-D | | NT |

Items Noted as "NT" Not tested are not suspected Chemical of contamination based upon generators Knowledge

By signing this form I certify that:

- I am the legal generator of the waste described on this form.
- The waste described on this form is not a regulated Hazardous Waste as defined by the USEPA, the State of Origin or the State of Disposal listed above.
- This form and its attachments contain true and accurate descriptions of the waste.
- All laboratory data used to support the information presented on this form has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, or other applicable regulations or guidelines, of EXACTLY THE SAME WASTE that I will deliver to Chambers for either hauling or disposal.

Certified Signature: Patricia A. Watson

Date: 8/16/95

CHAMBERS
WASTE SYSTEMS OF FLORIDA, INC.
*Environmental protection, Service, Value*

OKEECHOBEE BERMAN ROAD LANDFILL

SPECIAL WASTE APPROVAL NOTIFICATION FORM (Revised)

DATE: 10-9-95

CUSTOMER: Associated Environmental

ATTENTION: Randall Veal

RE: US Navy, Key West, GENERATOR

THE SPECIAL WASTE DISPOSAL APPLICATION YOU SUBMITTED FOR THE GENERATOR REFERENCED ABOVE HAS BEEN APPROVED FOR A PERIOD OF 2 MONTHS BEGINNING 8.21.95 FOR A VOLUME OF 920 tons contaminated soil and scrap metal

YOUR APPROVAL NUMBER IS OCB9507006. PLEASE ENSURE THIS APPROVAL NUMBER IS ON ALL WASTE MANIFESTS AND CORRESPONDENCE REGARDING THIS WASTE STREAM IN ORDER TO FACILITATE PROPER DISPOSAL AND DOCUMENTATION. YOUR COOPERATION IS APPRECIATED.

SINCERELY,

Susan Williams
SUSAN WILLIAMS
CONTRACT ADMINISTRATOR

C:\123_WORK\SWNOTIFY.WK3

10800 NE 128th Avenue ⊛ Okeechobee, FL 34972 ⊛ 813/357-0111 ⊛ 813/357-0772 FAX

Manifests 95003 through 95039
were used for the disposal of the
contaminated soils from SWMU-3.
A copy of manifest 95003 is attached as
a sample. If copy of all the manifests is desired,
it is available upon request.

# NON-HAZARDOUS WASTE MANIFEST

ease print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170022952

Manifest Document No. 95038

2. Page 1 of 1

3. Generator's Name and Mailing Address
Commanding Officer, Attn: code 1883 PW
Public Works Department, P.O. Box 9007
Key West, FL 33040-9001

4. Generator's Phone (305) 293-2583

5. Transporter 1 Company Name: Robbie D. Wood Trucking

6. US EPA ID Number: ALD067138891

A. State Transporter's ID

B. Transporter 1 Phone (205) 744-8440

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Chamber Okeechobee Landfill
10800 N.E. 126th Ave.
Okeechobee, FL 34972

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone (813) 357-0111

| 11. WASTE DESCRIPTION | Containers No. | Containers Type | 13. Total Quantity | 14. Unit Wt./Vol. |
|---|---|---|---|---|
| a. NON HAZARDOUS NON RCRA ( Soil c/w Petroleum Products ) | 001 | DT | 00020 | Y |
| b. | | | | |
| c. | | | | |
| d. | | | | |

E. Additional Descriptions for Materials Listed Above

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Sub Contract # 22567-321-SC-0415 ( SWMU - 3 )
Approval # OCB9507006
Truck # 009 Trailer # 009T Released 11:30

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Scott H. Rogowski
Signature
Date: Month 9 Day 6 Year 95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MATT Ellis
Signature: Matt Ellis
Date: Month 09 Day 6 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space
117254

ility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name
Signature
Date: Month 9 Day 7 Year 95

CHAMBERS WASTE SYSTEMS OF FLORIDA
EECHOBEE BERMAN ROAD LANDFILL 01
ck Number 117254 Waste ID SOL CONTAMINATED SOIL
09/07/1995 Time In 07:23 Out 07:23

ighmaster 08 Signature Matt Elm
hicle Number AEI 008
DERAL TAX ID NO. Rate ($/Ton) $
count Number 50045008 Minimum Charge $
ASSOCIATED ENVIRONME
ck Type 9000 State FL Route
ambers Company : NO

CHAMBERS Development Co. Inc.

of Lading Tons 0.00 Grid Location
of Lading Date 09/07/1995 B/of Lading Num

Municipality % tons Price City Municipality % tons Price
NO MUNICIPALITY 24.33

ss lbs 75880 Inbound Scale 1 CUSTOMER COPY Charge Total Price $
e 745 lbs 27220 Outbound Scale 2 MANUAL TICKET
lbs 48660 24.33 tons Vehicle Capacity 0 Cu Yds

NONHAZARDOUS

CITY ENVIRONMENTAL INC.

INBOUND WASTE FINGERPRINT ANALYSIS

APPROVAL #_____ WASTE CODE(S) U060, U061

Generator: Commanding officer

EPA ID #: FL4 170 023 788

Customer: Universal Waste Transit Inc

APPROVED Jim K 8/17/95

Waste Common Name: Soil w/ Pesticides IR

Process Description per WPS: Spill Clean up from an abandon DDT mixing site IR3

Physical Form: ✓ Solid ___ By-Layered ___ Free Liquid
___ Liquid ___ Multi-Layered ___ Other
___ Sludge ___ Powder/Dust

Color: Brown

Specific Gravity: 1.3 g/ml

Chemical Criteria:
pH: 6.0 Flash Point: >200 F

Cyanide Spot Test: NEG if Positive, Distillation is necessary

Sulfide Spot Test: NEG if Positive, Distillation is necessary

Compatibility: ok Water NO Acid
ok Air ok Alkali

Proposed Treatment: ___ WWT OT TL ✓ Fixation/Solidification
___ Oil Rec. ___ Carbon
___ Chem Prec.
___ Carbon Ads.

Comments:

If rejected, Reasons:

Signed: Gerald McCloud Date: 8/14/95

NOTIFICATION REQUIRED
Form A

APPROVAL/TREATABILITY RECORD

DATE: 8/14/95 TRACKING #: 95611010 PREPARED BY: GM

GENERATOR NAME: Commanding officer

COMMON NAME OF WASTE: Soil c/w Pesticides IR

FREDERICK

Biological Oxygen Demand _____
Chemical Oxygen Demand _____
Color _____
Compatability Screening _____
Consistency _____
Flash Point (1016) _____
Odor _____
pH Value (9040) _____
Specific Gravity Density _____
Total Solids _____

TREATMENT OPTIONS

| | | |
|---|---|---|
| OIL-HI $ | OIL-LO | PEEN |
| RESALE | REUSE | SANDFILTER |
| SCUM | SDI | SLUDGE |
| SPECIAL | BIO | BIO-SP |
| CHEMPRECP | HAMMIL-BIO | HAMMIL-EAR |
| HAMMIL-HAR | HOUSEHOLD | |

HARPER

Color: Brown
Compatability Screening: No Acid Reacted
Consistency: Solid
Flash Point (1016): >200
Treatability With Lime: OK
Odor: none
pH Value: 6.0
Specific Gravity/Density: 1.30
Total Solids: 100%

TREATMENT OPTIONS

| | | |
|---|---|---|
| DRUM | BOX | BUILDING |

Manifests 95040 through 95081
were used for the disposal of the
contaminated soils and debris from IR-3.
A copy of manifest 95040 is attached as
a sample. If copy of all the manifests is desired,
it is available upon request.

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Section 29148, MCL Act 136, P.A. 1969

Please print or type.

Form Approved. OMB No. 2050-0039 Expires

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F L 4 1 7 0 0 2 3 7 8 8 | Manifest Document No. 9 5 0 4 1 0 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Commanding Officer
Bldg. A629 Code 1883
Key West, FL 33040-9001

A. State Manifest Document Number MI 3558203

B. State Generator's ID

4. Generator's Phone ( 305 ) 293-2583

5. Transporter 1 Company Name: Robbie D. Wood Trucking
6. US EPA ID Number: A L D 0 6 7 1 3 8 8 9 1

C. State Transporter's ID

D. Transporter's Phone (205) 744-844

7. Transporter 2 Company Name: Florida East Coast Railway Co.
8. US EPA ID Number: F L D 0 0 6 9 2 3 6 2 7

E. State Transporter's ID

F. Transporter's Phone 800-342-1131

9. Designated Facility Name and Site Address
City Environmental Inc. Harper
1550 Harper Street
Detroit, MI 48211
10. US EPA ID Number: M I D 0 5 4 6 8 3 4 7 0

G. State Facility's ID

H. Facility's Phone (313) 923-0090

| | 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). | HM | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol | I. Waste No. | N/H |
|---|---|---|---|---|---|---|---|---|
| a. | "RQ" Hazardous waste,solid,n.o.s.,9,NA3077,III (Soil c/w DDD,DDE, and DDT)(U060,U061) ERG # 31 | X | 001 | DM | 00020 | Y | U060 U061 | |
| b. | | | | | 3128 | T | | |
| c. | | | | | | | | |
| d. | | | | | | | | |

J. Additional Descriptions for Materials Listed Above
11-a Approval # 14599H
24 Hr Emergency Contact # 1-305-293-3333
190335

K. Handling Codes for Wastes Listed Above
a/
b/
c/
d/

15. Special Handling Instructions and Additional Information
Subcontract # 22567-321-SC-0415 ( IR-3 )
Truck # 121 Trailer # 590 Release Time 10:45

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: MICHAEL J. SKINNER | Signature: Michael J. Skinner | Date Month Day Year: 09 12 95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Gerald T. Swann | Signature: Gerald T. Swann | Date Month Day Year: 09 12 95

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name: Chase Marcantel | Signature: Chase Marcantel | Date Month Day Year: 09 12 95

TRANSPORTER

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Rick Graham | Signature: Rick Graham | Date Month Day Year: 10 16 95

EPA Form 8700-22 (Rev. 9/88)

PR 5110 Rev. 10/92

TSDF COPY

HIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE

SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, R AT 1-800-424-8802 24 HOURS PER DAY.

CITY ENVIRONMENTAL, INC. • 1923 FREDERICK STREET • DETROIT, MICHIGAN 48211 • (313) 923-0080
FAX: (313) 923-0217
SALES FAX: (313) 923-3375

# CERTIFICATE OF DISPOSAL

The certificate is to verify that the waste received from:

| | | |
|---|---|---|
| Generator name: | | COMMANDING OFFICER |
| Manifest # | : | MI 3558203 |
| | : | MI 3558202 |
| Received on | : | 10/16/95 |

has been properly processed and stabilizes in accordance with applicable local, state, and federal regulations at:

City Environmental, Inc. - Harper
1550 Harper St.
Detroit, MI. 48211

Don Roeser
City Environmental, Inc.
Plant Supervisor

CITY

**ENVOTECH®**

*MANAGEMENT SERVICES, INC.*

# GENERATOR WASTE CHARACTERIZATION REPORT

RECEIVED
T# 076578
OCT 13 1995

An **original report form** must be completed for each separate waste stream. **Do not submit copies.**
Is this a ☐ New Waste for Approval?
or ☐ Waste Stream Reapproval? Previous Approval # _____ 22567 - 3 2 1
Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

## SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☐ TREATMENT
**Michigan Disposal, Inc.**
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☐ RECOVERY/FUEL BLENDING
**Michigan Recovery Systems, Inc.**
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
**Wayne Disposal, Inc.**
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

## SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Commanding Officer
Plant Name (IR-1)
Address Building A629 Code 1883
Key West State FL Zip 33040
Contact Patsy Watson
Alternate _____

S.I.C. Codes* 4953
US EPA ID #* FL 4170023788

Telephone (305) 293-2583 Fax ( ) _____
Telephone ( ) _____ Fax ( ) _____

## SECTION III - INVOICING INFORMATION

Customer Associated Environmental Services, Inc.
Address 411 West 25th Street
Chattanooga State TN Zip 37408
Contact Randall L. Veal

Has an account been opened? Yes ☐ No ☒
If Yes, Account # _____
Telephone (615) 265-3108 Fax (423) 266-1107

## SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by _____

Date sample collected _____

Date sample and form sent _____

Waste Common Name: _____

Generator Site Name: _____

Sample Collected By: _____

Date Collected: _____ T#: 076578

* See full instructions on separate sheet. Printed on Recycled Paper Form 911 (11-91

## SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste:
   a. Reactive? Yes ☐ No ☒
   b. Shock Sensitive? Yes ☐ No ☒
   c. Explosive? Yes ☐ No ☒
   d. Pyrophoric? Yes ☐ No ☒
   e. Oxidizer? Yes ☐ No ☒
   f. Radioactive? Yes ☐ No ☒

   If yes, contact an Envotech Management Services Representative at (313) 697-7830 **before completing this form.**
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☒ Drums ☐ Other ☐
3. Shipping Volume per Week _____ per Month _____
4. Annual Total Volume _____ One Time Only Volume 400 Tons
5. DOT Shipping Name* RQ Hazardous waste, solid, n.o.s.
   Hazard Class* 9 UN/NA#* 3077

## SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   - Powdery Solid ☐
   - Other Solid* ☐
   - Soils ☒
   - Debris (describe) Wood, steel, wire
   - Sludge (non pumpable) ☐
   - Liquid (pumpable) ☐
   - Liquid (multi phase) ☐
2. Does the waste have a characteristic odor?* Yes ☐ No ☒ Describe _____
3. Color Description*: Brown

USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes ☐ No ☒ . . . . . Method 9095
5. Density: 2200 lb/cy lbs/gallon or lbs/cubic yards or _____ specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☐ 5-9.9 ☒ 10-12.4 ☐ >12.5 ☐ (attach lab results) . . . . .Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☐ >200°F ☒ N/A (attach lab results) . . Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☒

## SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Soil c/w Lead
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**
   Interim Removal of an abanden disposal Area
3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

| | Minimum | | Maximum | |
|---|---|---|---|---|
| Soil | 90 | to | 95 | % |
| Wood | 0 | to | 5 | % |
| Concrete | 0 | to | 5 | % |
| Steel | 0 | to | 5 | % |
| TOTAL: | | | 100 | % |

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

| | YES | NO | CODES |
|---|---|---|---|
| a. Does this waste meet any F listing description? | ☐ | ☒ | |
| b. Does this waste meet any K listing description? | ☐ | ☒ | |
| c. Does this waste meet any P listing description? | ☐ | ☒ | |
| d. Does this waste meet any U listing description? | ☐ | ☒ | |
| e. Does this waste exhibit Ignitability? (attach lab results) | ☐ | ☒ | |
| f. Does this waste exhibit Corrosivity? (attach lab results) | ☐ | ☒ | |
| g. Does this waste exhibit Reactivity? (attach lab results) | ☐ | ☒ | |
| h. Does this waste exhibit Toxicity? (attach lab results) | ☒ | ☐ | D008 |
| i. Does this waste leach Copper > 100ppm? (attach lab results) | ☐ | ☒ | |
| j. Does this waste leach Zinc > 500ppm? (attach lab results) | ☐ | ☒ | |
| 5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results) | ☒ | ☐ | D008 |
| 6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?* | ☐ | ☒ | |

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

## SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____

Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%) _____

## SECTION IX - CERTIFICATIONS

| | | Yes | No |
|---|---|---|---|
| 1. | Does the waste contain cyanide amenable to chlorination above 250 ppm?* | ☐ | ☒ |
| 2. | Does the waste contain reactive sulfide above 500 ppm?* | ☐ | ☒ |
| 3. | Does this waste contain PCBs greater than 49 ppm?* | ☐ | ☒ |
| 4. | Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028? | ☐ | ☒ |
| 5. | Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L? | ☐ | ☒ |
| 6. | Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)? | ☐ | ☒ |

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)
For those constituents not tested, mark "No" **and** sign the certification provided.
Either "Yes" or "No" **MUST** be checked for each and every constituent.

| TCLP REGULATORY ACTION LEVELS | | | CONSTITUENT TESTING CONDUCTED OR CERTIFICATION | |
|---|---|---|---|---|
| ZHE ORGANICS* | mg./L | YES | NO | CERTIFICATION |
| D018 Benzene | 0.5 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D019 Carbon Tetrachloride | 0.5 | ☐ | ☒ | |
| D021 Chlorobenzene | 100.0 | ☐ | ☒ | |
| D022 Chloroform | 6.0 | ☐ | ☒ | |
| D028 1,2-Dichloroethane | 0.5 | ☐ | ☒ | |
| D029 1,1-Dichloroethylene | 0.7 | ☐ | ☒ | |
| D035 Methyl Ethyl Ketone | 200.0 | ☐ | ☒ | |
| D039 Tetrachloroethylene | 0.7 | ☐ | ☒ | |
| D040 Trichloroethylene | 0.5 | ☐ | ☒ | |
| D043 Vinyl Chloride | 0.2 | ☐ | ☒ | |
| METALS* | | | | CERTIFICATION |
| D004 Arsenic | 5.0 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D005 Barium | 100.0 | ☐ | ☒ | |
| D006 Cadmium | 1.0 | ☐ | ☒ | |
| D007 Chromium | 5.0 | ☐ | ☒ | |
| D008 Lead | 5.0 | ☒ | ☐ | |
| D009 Mercury | 0.2 | ☐ | ☒ | |
| D010 Selenium | 1.0 | ☐ | ☒ | |
| D011 Silver | 5.0 | ☐ | ☒ | |
| 001D Copper | 100.0 | ☐ | ☒ | |
| 003D Zinc | 500.0 | ☐ | ☒ | |
| ACID EXTRACTABLES* | | | | CERTIFICATION |
| D023 o-Cresol** | 200.0 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D024 m-Cresol** | 200.0 | ☐ | ☒ | |
| D025 p-Cresol** | 200.0 | ☐ | ☒ | |
| D026 Cresol | 200.0 | ☐ | ☒ | |
| D037 Pentachlorophenol | 100.0 | ☐ | ☒ | |
| D041 2,4,5-Trichlorophenol | 400.0 | ☐ | ☒ | |
| D042 2,4,6-Trichlorophenol | 2.0 | ☐ | ☒ | |

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

## SECTION IX - CERTIFICATIONS (Continued)

| TCLP REGULATORY ACTION LEVELS | | | CONSTITUENT TESTING CONDUCTED OR CERTIFICATION | |
|---|---|---|---|---|
| BASE NEUTRAL EXTRACTABLES* | mg./L | YES | NO | CERTIFICATION |
| D027 1,4-Dichlorobenzene | 7.5 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." |
| D030 2,4-Dinitrotoluene | 0.13 | ☐ | ☒ | |
| D032 Hexachlorobenzene | 0.13 | ☐ | ☒ | |
| D033 Hexachlorobutadiene | 0.5 | ☐ | ☒ | |
| D034 Hexachloroethane | 3.0 | ☐ | ☒ | |
| D036 Nitrobenzene | 2.0 | ☐ | ☒ | Signed Patricia A. Watson |
| D038 Pyridine | 5.0 | ☐ | ☒ | |
| PESTICIDES* | | | | CERTIFICATION |
| D020 Chlordane | 0.03 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." |
| D012 Endrin | 0.02 | ☐ | ☒ | |
| D031 Heptachlor (& its Hydroxide) | 0.008 | ☐ | ☒ | |
| D013 Lindane | 0.4 | ☐ | ☒ | |
| D014 Methoxychlor | 10.0 | ☐ | ☒ | |
| D015 Toxaphene | 0.5 | ☐ | ☒ | Signed Patricia A. Watson |
| HERBICIDES* | | | | |
| D016 2,4-D | 10.0 | ☐ | ☒ | |
| D017 2,4,5-TP (Silvex) | 1.0 | ☐ | ☒ | |

### REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I an contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment fo purposes of verification and confirmation."

Signed Patricia A. Watson Title Environmental Engineer Tech

"I certify that all information (including attached information) is complete and factual and is an accurate representation o the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature Patricia A. Watson Printed Name Patricia A. Watson Date 10/13/95

Company Naval Air Station Key West, Fl Title Env. Eng. Tech.

* See full instructions on separate sheet. Printed on Recycled Paper Form 911 (11-9

ENVOTECH®
MANAGEMENT SERVICES, INCORPORATED

Environmental Protection Facility
48350 North I-94 Service Drive
Belleville, Michigan 48111
(313) 697-7830

RECEIVED
BECHTEL

NOV 28 1995

22567-321

Date 11/20/95

Approval Number: 111495 MM

COMMANDING OFFICER - KEYWEST
IR-1
~~BUILDING A629 CODE 1883~~
KEY WEST FL 33040
Attn: PATSY WATSON

Re: Waste disposal at ENVOTECH MANAGEMENT SERVICES,
EPA Identification Number MID000724831

Dear Sir/Madam,

This letter acknowledges the acceptability of the waste described below and that Envotech/Wayne Disposal,Inc. has the appropriate permit(s) and capacity to properly treat and dispose of your waste.

1. General Description:
SOIL WITH LEAD

2. EPA Waste Code: D008
Additional Waste Type:

3. Generator EPA Identification Number: FL4170023788

4. Please refer to our approval number 111495 MM when shipping or making any inquiries about the waste stream

PLEASE NOTE: This approval is based on information supplied to us by your company. As the Generator you are responsible for the accuracy of the characterization information. This approval is valid for a period of one year. You will be notified 90 days prior to the expiration of the recertification requirements to keep this approval active. Contact your transporter or broker to schedule the delivery of your waste. All shipments must be schuduled 72 hours prior to shipping.

If you have any questions, please do not hesitate to call us at 1-800-592-5489.

RECEIVED
BECHTEL
OCT 13 1995

# CHAMBERS DEVELOPMENT COMPANY, INC.
# SPECIAL WASTE DISPOSAL APPLICATION

22567 - 321

SALES PERSON: George Cubas

APPLICATION ID #: OCB9510005

DISPOSAL FACILITY: Chambers FL

APPLICATION DATE: October 11, 1995

## A. GENERAL INFORMATION

Customer Name: Commanding Officer
Address: Building A629 Code 1883
Key West, FL 33040
Phone: (305) 293-2583
Contact: Patsy Watson
USEPA ID#: FL4170023788

Waste Type: Soil & Debris
Quantity: 6500 tons Per: one time
Delivery Method: Bulk
Contractor: Associated Environmental Services Inc
Contractor's Phone: 615-265-3108
State of Origin: FLORIDA State of Disposal: FLORIDA

## B. WASTE DESCRIPTION

Physical State: Solid (X) Liquid ( ) Gas ( ) Semi-Solid ( )
Single Phased: Yes (X) No ( )
% Solids: 90 - 95% pH: N/A
% Free Liquids: None Color: Dark Brown to Gray
% Radioactive Waste: None Odor: None
% Asbestos: None Flash Point: N/A
Reactive Sulfides (ppm): None
Reactive Cyanides (ppm): None

PROCESS OF WASTE GENERATION: Excavation of an abandoned disposal site (IR-1)

CONTENTS OF WASTE BY VOLUME IN %: Soil & Sand 90 to 95% wood & debris 0 to 5% metal 0 to 5% plastic 0 to 5%

## C. HAZARDOUS CONSTITUENTS

| | Total (ppm) | TCLP (ppm) |
|---|---|---|
| PCB's | | |
| TPH | 150 | |
| BTEX | N.D. | |
| TOX | N.D. | |
| **TCLP METALS** | | |
| Arsenic | | N.D. |
| Barium | | 1.4 |
| Cadmium | | 0.04 |
| Chromium | | N.D. |
| Lead | | 1.2 |
| Mercury | | N.D. |
| Selenium | | N.D. |
| Silver | | N.D. |
| **TCLP VOLATILES/SEMI-VOLATILES** | | |
| Benzene | | N.D. |
| Carbon Tetrachloride | | N.D. |
| Chlorobenzene | | N.D. |
| Chloroform | | N.D. |
| m-Cresol | | NT |
| o-Cresol | | NT |
| p-Cresol | | NT |
| 1,4-Dichlorobenzene | | N.D. |
| 1,2-Dichloroethane | | N.D. |
| 1,1-Dichloroethene | | NT |
| 2,4-Dinitrotoluene | | NT |
| Hexachlorobenzene | | NT |
| Hexachlorobutadiene | | NT |
| Hexachloroethane | | NT |
| Methyl Ethyl Ketone | | NT |
| Nitrobenzene | | NT |
| Pentachlorophenol | | NT |
| Pyridine | | NT |
| Tetrachloroethene | | NT |
| Trichloroethene | | NT |
| 2,4,5-Trichlorophenol | | NT |
| 2,4,6-Trichlorophenol | | NT |
| Vinyl Chloride | | NT |
| **TCLP HERBICIDES/PESTICIDES** | | |
| Chlordane | | NT |
| Endrin | | NT |
| Heptachlor | | NT |
| Lindane (Gamma-BHC) | | NT |
| Methoxychlor | | NT |
| Silvex (2,4,5-TP) | | NT |
| Toxaphene | | NT |
| 2,4-D | | NT |

## D. CERTIFICATIONS

I certify that the laboratory results identified below are attached as support to the data certified on this application form.

lab name(s): Pace Environmental Laboratories

report date(s): October 11, & 12 1995

sample ID#(s): 90 0668783

Items Noted as "NT" Not tested are not suspected chemical of contamination based upon generators knowledge

By signing this form I certify that:

1. I am the legal generator of the waste described on this form.
2. The waste described on this form is not a regulated Hazardous Waste as defined by the USEPA, the State of Origin or the State of Disposal listed above.
3. This form and its attachments contain true and accurate descriptions of the waste.
4. Any laboratory data used to support the information presented on this form has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, or other applicable regulations or guidelines, of EXACTLY THE SAME WASTE that I will deliver to Chambers for either hauling or disposal.

Certified Signature: x Patricia A. Watson Date: 10/13/95

Patricia A. Watson, Environmental Engineer Technician
Naval Air Station, Key West, FL 33040
Printed/Typed Name, Title & Employer

mad 12-93

INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Associated Environmental Services, Inc.
411 West 25th Street
Chattanooga, TN 37408-2802

October 12, 1995
PACE Project Number: 251006575

Attn: Mr. Randall Veal

Client Reference: NAS KEY WEST IR-1

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0668783 | |
| Date Collected: | | | 10/05/95 | |
| Date Received: | | | 10/06/95 | |
| | | | IRL 00MF | |
| Parameter | Units | PRL | KW02766 | DATE ANALYZED |
| SUBCONTRACT ANALYSIS | | | | |
| INDIVIDUAL PARAMETERS | | | | |
| Total Organic Halides | mg/kg | 20 | ND | 10/12/95 |
| ORGANIC ANALYSIS | | | | |
| 8010/8020 - VOLATILE ORGANIC COMPOUNDS | | | | |
| Surrogate Recovery - 8010 | % | | 100 | 10/12/95 |
| Surrogate Recovery 8020 | % | | 92 | 10/12/95 |
| Chloromethane | ug/kg | 5.0 | ND | 10/12/95 |
| Bromomethane | ug/kg | 5.0 | ND | 10/12/95 |
| Dichlorodifluoromethane | ug/kg | 5.0 | ND | 10/12/95 |
| Vinyl Chloride | ug/kg | 5.0 | ND | 10/12/95 |
| Chloroethane | ug/kg | 5.0 | ND | 10/12/95 |
| Methylene Chloride | ug/kg | 5.0 | 5.3 (1) | 10/12/95 |
| Trichlorofluoromethane | ug/kg | 5.0 | ND | 10/12/95 |
| 1,1-Dichloroethylene | ug/kg | 5.0 | ND | 10/12/95 |
| 1,1-Dichloroethane | ug/kg | 5.0 | ND | 10/12/95 |
| Trans-1,2-Dichloroethylene | ug/kg | 5.0 | ND | 10/12/95 |
| Chloroform | ug/kg | 5.0 | ND | 10/12/95 |
| 1,2-Dichloroethane | ug/kg | 5.0 | ND | 10/12/95 |
| 1,1,1-Trichloroethane | ug/kg | 5.0 | ND | 10/12/95 |
| Carbon Tetrachloride | ug/kg | 5.0 | ND | 10/12/95 |
| Bromodichloromethane | ug/kg | 5.0 | ND | 10/12/95 |
| 1,2-Dichloropropane | ug/kg | 5.0 | ND | 10/12/95 |
| Trans-1,3-Dichloro-1-propene | ug/kg | 5.0 | ND | 10/12/95 |
| 1,1,2-Trichloroethylene | ug/kg | 5.0 | ND | 10/12/95 |
| Dibromochloromethane | ug/kg | 5.0 | ND | 10/12/95 |
| 1,1,2-Trichloroethane | ug/kg | 5.0 | ND | 10/12/95 |
| cis-1,3-Dichloro-1-propene | ug/kg | 5.0 | ND | 10/12/95 |
| Bromoform | ug/kg | 5.0 | ND | 10/12/95 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 5.0 | ND | 10/12/95 |



5460 Beaumont Center Blvd.
Tampa, FL 33634
TEL: 813-884-8268
FAX: 813-888-6382

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Mr. Randall Veal
e 2

October 12, 1995
PACE Project Number: 251006575

Client Reference: NAS KEY WEST IR-1

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0668783 | |
| Date Collected: | | | 10/05/95 | |
| Date Received: | | | 10/06/95 | |
| Client Sample ID: | | | IRI COMP | |
| Parameter | Units | PRL | KW02766 | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8010/8020 - VOLATILE ORGANIC COMPOUNDS | | | | |
| 1,1,2,2-Tetrachloroethylene | ug/kg | 5.0 | ND | 10/12/95 |
| Methyl Tert-Butyl Ether | ug/kg | 5.0 | ND | 10/12/95 |
| Benzene | ug/kg | 5.0 | ND | 10/12/95 |
| Toluene | ug/kg | 5.0 | ND | 10/12/95 |
| Chlorobenzene | ug/kg | 5.0 | ND | 10/12/95 |
| Ethylbenzene | ug/kg | 5.0 | ND | 10/12/95 |
| Xylenes, Total | ug/kg | 5.0 | ND | 10/12/95 |
| 1,3-Dichlorobenzene | ug/kg | 5.0 | ND | 10/12/95 |
| 1,4-Dichlorobenzene | ug/kg | 5.0 | ND | 10/12/95 |
| 1,2-Dichlorobenzene | ug/kg | 5.0 | ND | 10/12/95 |
| Total VOA | ug/kg | 5.0 | ND | 10/12/95 |
| 9073 - TRPH | | | | |
| Date Extracted | | | 10/11/95 | |
| TRPH - 9073 | mg/kg | 5 | 150 | 10/11/95 |



5460 Beaumont Center Blvd.
Tampa, FL 33634
TEL: 813-884-8268
FAX: 813-888-6382

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Mr. Randall Veal
Page 3

October 12, 1995
PACE Project Number: 251006575

Client Reference: NAS KEY WEST IR-1

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0668791 | |
| Date Collected: | | | 10/05/95 | |
| Date Received: | | | 10/06/95 | |
| Client Sample ID: | | | IRI COMP KW02766 | |
| Parameter | Units | PRL | LEACHATE (2) | DATE ANALYZED |
| INORGANIC ANALYSIS | | | | |
| TCLP METALS | | | | |
| Arsenic - TCLP | mg/L | 0.5 | ND | 10/11/95 |
| Barium - TCLP | mg/L | 0.3 | 1.4 | 10/11/95 |
| Cadmium - TCLP | mg/L | 0.01 | 0.04 | 10/11/95 |
| Chromium - TCLP | mg/L | 0.05 | ND | 10/11/95 |
| Lead - TCLP | mg/L | 0.1 | 1.2 | 10/11/95 |
| Mercury - TCLP | ug/L | 20 | ND | 10/11/95 |
| Selenium - TCLP | mg/L | 0.5 | ND | 10/11/95 |
| Silver - TCLP | mg/L | 0.02 | ND | 10/11/95 |
| Date Digested - Mercury | | | 10/10/95 | |

These data have been reviewed and are approved for release.

Michael F. Valder
Manager, Inorganic Chemistry

Michael W. Palmer
Manager, Organic Chemistry

# REPORT OF LABORATORY ANALYSIS

Mr. Randall Veal
Page 4

FOOTNOTES
for pages 1 through 3

October 12, 1995
PACE Project Number: 251006575

Client Reference: NAS KEY WEST IR-1

| | |
|---|---|
| ND | Not detected at or above the PRL. |
| PRL | PACE Reporting Limit |
| (1) | Possible laboratory contamination. |
| (2) | All analysis performed on Toxic Characteristic Leachate. |



5460 Beaumont Center Blvd.
Tampa, FL 33634
TEL: 813-884-8268
FAX: 813-888-6382

An Equal Opportunity Employer

**CHAMBERS**
WASTE SYSTEMS OF FLORIDA, INC.
*Environmental protection. Service. Value*

| Post-it® Fax Note 7671 | Date | # of pages ▶ 1 |
|---|---|---|
| To Rick Akers | From Randall Veal | |
| Co./Dept. | Co. | |
| Phone # | Phone # | |
| Fax # | Fax # | |

RECEIVED
BECHTEL
OCT 16 1995
22567 - 3 2 1
SC-0415-14

OKEECHOBEE BERMAN ROAD LANDFILL

SPECIAL WASTE APPROVAL NOTIFICATION FORM

DATE: 10.16.95

CUSTOMER: Associated Environmental

ATTENTION: Randall Veal

RE: US Navy, Key West (IR-1) GENERATOR

THE SPECIAL WASTE DISPOSAL APPLICATION YOU SUBMITTED FOR THE GENERATOR REFERENCED ABOVE HAS BEEN APPROVED FOR A PERIOD OF 2 MONTHS BEGINNING 10.16.95 FOR A VOLUME OF 7800 tons of soil and debris from IR-1.

YOUR APPROVAL NUMBER IS OCB9510005. PLEASE ENSURE THIS APPROVAL NUMBER IS ON ALL WASTE MANIFESTS AND CORRESPONDENCE REGARDING THIS WASTE STREAM IN ORDER TO FACILITATE PROPER DISPOSAL AND DOCUMENTATION. YOUR COOPERATION IS APPRECIATED.

SINCERELY,

Susan Williams
SUSAN WILLIAMS
CONTRACT ADMINISTRATOR

C:\123_WORK\SWNOTIFY.WK3

Manifests 95338 through 95355
were used for the disposal of the hazardous waste
contaminated soils and debris from IR-1.

Manifests 95082 through 95337 and 95356 through
95368 were used for the disposal of the nonhazardous waste
contaminated soils and debris from IR-1.

Copies of manifests 95338 and 95082 are attached as
samples. If copy of all the manifests is desired,
they are available upon request.

DNR
MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type

Form Approved OMB No. 2050-0039 Expires 9-30-96

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F L 4 1 7 0 0 2 3 7 8 8 — Manifest Document No. 9 5 3 3 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Commanding Officer
Building A629 Code 1883
Key West, Florida 33040-9001

4. Generator's Phone ( 305 ) 293-2583

A. State Manifest Document Number MI 3965007

B. State Generator's ID

5. Transporter 1 Company Name: Robbie D. Wood Trucking

6. US EPA ID Number: A L D 0 6 7 1 3 8 8 9 1

C. State Transporter's ID

D. Transporter's Phone (205) 744-8440

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Michigan Disposal (Treatment Services- Belleville, Inc.)
49350 North I-94 Service Drive
Belleville, Michigan 48111

10. US EPA ID Number: M I D 0 0 0 7 2 4 8 3 1

G. State Facility's ID

H. Facility's Phone (313) 697-2200

| | 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol | I. Waste No. | N/H |
|---|---|---|---|---|---|---|---|
| a. | "RQ" Hazardous waste, solid, n.o.s., 9, NA3077, III, (D008) (Soil c/w Lead) ERG # 31 | 001 | DT | 32 | Y | D008 | H |
| b. | | | | | | | |
| c. | | | | | | | |
| | | | | | | | |

J. Additional Descriptions for Materials Listed Above
11-A. - Approval Number 111495 MI
24 Hour Emergency Number (305) 293-3333

K. Handling Codes for Wastes Listed Above
a/c / s
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
Subcontract Number: 22567-321-SC-0415
Truck Number: 117 Trailer Number: 586 Release Time: 1015

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. 172508

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: J. G. Robertson — Signature: Jesse G. Robertson — Date: Month 12 Day 07 Year 95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joseph W. Fowler — Signature: Joseph W. Fowler — Date: Month 12 Day 07 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

TRANSPORTER

19. Discrepancy Indication Space
MDI Received 49640 LBS AT 25 Tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: James A. Vigness II — Signature: James A. Vigness II — Date: Month 12 Day 11 Year 95

FACILITY

CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/88) PR 5110 Rev. 10/94

ENVOTECH®

MANAGEMENT SERVICES, INCORPORATED

# *CERTIFICATE OF DISPOSAL*

This certificate is to verify the wastes specified on Manifest # 3965007 have been properly disposed of in accordance with all local, state, and federal regulations. "Disposed of" means either: 1) Burial, or 2) Processed as defined in 40 CFR et seq.

| | |
|---|---|
| FACILITY NAME: | ENVOTECH MANAGEMENT SERVICES, INC. |
| ADDRESS: | 49350 North Service Drive<br>Belleville, Michigan 48111 |
| PHONE NUMBER: | 313 697-2200 |
| EPA I.D. NUMBER: | MID 000 724 831 |

Should you have any questions or require additional information, please feel free to contact this office.

*Very truly yours,*

ENVOTECH MANAGEMENT SERVICES, INC.

Signed: James G. Wright II

(Authorized Signature)

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. FL4170023788

Manifest Document No. 95082 62360

2. Page 1 of 1

3. Generator's Name and Mailing Address
Commanding Officer
Bldg. A629 Code 1883
Key West, FL 33040-9001

4. Generator's Phone ( 305 ) 293-2583

5. Transporter 1 Company Name: Soil Tech Distributors, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone (305) 828-2362

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Chamber Okeechobee Landfill
10800 N. E. 126th Ave.
Okeechobee, FL 34972

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone (813) 357-0111

| 11. WASTE DESCRIPTION | Containers No. | Containers Type | 13. Total Quantity | 14. Unit Wt./Vol. |
|---|---|---|---|---|
| a. NON HAZARDOUS NON RCRA ( Soil c/w less than 5 ppm of lead ) | 001 | DT | 15 | Y |
| b. | | | | |
| c. | | | | |
| d. | | | | |

GENERATOR

E. Additional Descriptions for Materials Listed Above
-a Approval # OCB9510005

24 hr Emergency Contact (305) 293-3333

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information Subcontract # 22567-321-SC-0415 ( IR-1 )
Truck # 301
Trailer # 2
Release Time - 09:30

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: R. E. Smith — Signature: [signature] — Date: Month 10 Day 24 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Juan Valladares — Signature: [signature] — Date: Month 10 Day 24 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: E. Phillips ScaleMaster — Signature: E. Phillips — Date: Month 10 Day 24 Year 95

Truck # 301

1

CHAMBERS WASTE SYSTEMS OF FLORIDA
OKEECHOBEE BERMAN ROAD LANDFILL 0

Ticket Number 122609 Waste ID SOL CONTAMINATED SOIL

10/24/1995 Time In 17:46 Out 17:46

Albert

Weighmaster 02 Signature _____

Vehicle Number AE 060

FEDERAL TAX ID NO. Rate ($/Ton) $

Account Number 50045060 Minimum Charge $

ASSOCIATED ENVIRONME

Truck Type 9000 State FL Route

Chambers Company : NO

B/of Lading Tons 0.00 Grid Location

B/of Lading Date 10/24/1995 B/of Lading Num

| Cty | Municipality | % | tons | Price | Cty | Municipality | % | tons | Price |
|---|---|---|---|---|---|---|---|---|---|
| 01 | NO MUNICIPALITY | | 18.25 | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Gross lbs | 62360 | Inbound Scale 1 | CUSTOMER COPY | Charge | Total Price $ |
| Tare lbs | 25860 | Outbound Scale 2 | | MANUAL TICKET | |
| Net lbs | 36500 | 18.25 tons | | Vehicle Capacity | 0 Cu Yds |

# SPECIAL WASTE DISPOSAL APPLICATION

SALES PERSON: George Cubas

APPLICATION ID #:

DISPOSAL FACILITY: Chambers, FL

APPLICATION DATE:

## GENERAL INFORMATION

Customer Name: Commanding Officer
Address: (AOC-13) Public Work Dept.
Code 1883 Key West, FL 33040
Phone: 305-293-2583
Contact: Patsy Watson
USEPA ID#: N/A

Waste Type: Soil & Metal Debris
Quantity: 5000 tons Per: One time
Delivery Method: Bulk
Contractor: Associated Environmental Services Inc
Contractor's Phone: 615-265-3108
State of Origin: FLORIDA State of Disposal: FLORIDA

## B. WASTE DESCRIPTION

Physical State: Solid (X) Liquid ( ) Gas ( ) Semi-Solid ( )
Single Phased: Yes (X) No ( )
% Solids: 90-95 pH: N/A
% Free Liquids: 0-0 Color: Dark Brown to Gray
% Radioactive Waste: None Odor: None
% Asbestos: None Flash Point: N/A
Reactive Sulfides (ppm): None
Reactive Cyanides (ppm): None

PROCESS OF WASTE GENERATION: Clean up of an Abandon metal disposal site for cars

CONTENTS OF WASTE BY VOLUME IN %: Soils 80% Metals <10% Misc. Solid Waste <5% Sand <5%

## D. CERTIFICATIONS

I certify that the laboratory results identified below are attached as support to the data certified on this application form.

lab name(s): Pace Environmental Laboratories

report date(s): August 15, 1995

sample ID#(s): AOC13 90 0664125

## C. HAZARDOUS CONSTITUENTS

| | Total (ppm) | TCLP (ppm) |
|---|---|---|
| PCB's | <50 | |
| TPH | 95 | |
| BTEX | N.D. | |
| TOX | N.T. | |
| **TCLP METALS** | | |
| Arsenic | | N.D. |
| Barium | | 1.3 |
| Cadmium | | 0.02 |
| Chromium | | N.D. |
| Lead | | N.D. |
| Mercury | | N.D. |
| Selenium | | N.D. |
| Silver | | N.D. |
| **TCLP VOLATILES/SEMI-VOLATILES** | | |
| Benzene | | N.D. |
| Carbon Tetrachloride | | N.T. |
| Chlorobenzene | | N.T. |
| Chloroform | | N.T. |
| m-Cresol | | N.T. |
| o-Cresol | | N.T. |
| p-Cresol | | N.T. |
| 1,4-Dichlorobenzene | | N.T. |
| 1,2-Dichloroethane | | N.T. |
| 1,1-Dichloroethene | | N.T. |
| 2,4-Dinitrotoluene | | N.T. |
| Hexachlorobenzene | | N.T. |
| Hexachlorobutadiene | | N.T. |
| Hexachloroethane | | N.T. |
| Methyl Ethyl Ketone | | N.T. |
| Nitrobenzene | | N.T. |
| Pentachlorophenol | | N.T. |
| Pyridine | | N.T. |
| Tetrachloroethene | | N.T. |
| Trichloroethene | | N.T. |
| 2,4,5-Trichlorophenol | | N.T. |
| 2,4,6-Trichlorophenol | | N.T. |
| Vinyl Chloride | | N.T. |
| **TCLP HERBICIDES/PESTICIDES** | | |
| Chlordane | | N.T. |
| Endrin | | N.T. |
| Heptachlor | | N.T. |
| Lindane (Gamma-BHC) | | N.T. |
| Methoxychlor | | N.T. |
| Silvex (2,4,5-TP) | | N.T. |
| Toxaphene | | N.T. |
| 2,4-D | | N.T. |

Items noted as "NT" not tested, Are not suspected Chemicals of contamination based upon generator Knowledge

By signing this form I certify that:

1. I am the legal generator of the waste described on this form.
2. The waste described on this form is not a regulated Hazardous Waste as defined by the USEPA, the State of Origin or the State of Disposal listed above.
3. This form and its attachments contain true and accurate descriptions of the waste.
4. Any laboratory data used to support the information presented on this form has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, or other applicable regulations or guidelines, of EXACTLY THE SAME WASTE that I will deliver to Chambers for either hauling or disposal.

Certified Signature: Patricia A. Watson

Date: 1/9/96

Patricia A. Watson, Environmental Engineer Tech., Naval Air Station, Key West, F

Printed/Typed Name, Title & Employer

mad 12-93

**CHAMBERS**
**WASTE SYSTEMS OF FLORIDA, INC.**
*Environmental protection, Service, Value*

Post-It™ brand fax transmittal memo 7671 | # of pages ▸ 2

| | |
|---|---|
| To Bill Andrews | From Susan Williams |
| Co. Associated Env. | Co. Chambers |
| Dept. | Phone # |
| Fax # 305-872-1019 | Fax # |

OKEECHOBEE BERMAN ROAD LANDFILL

SPECIAL WASTE APPROVAL NOTIFICATION FORM

DATE: 1-15-96

CUSTOMER: Associated Environmental

ATTENTION: Bill Andrews

RE: NAS Key West, GENERATOR

THE SPECIAL WASTE DISPOSAL APPLICATION YOU SUBMITTED FOR THE GENERATOR REFERENCED ABOVE HAS BEEN APPROVED FOR A PERIOD OF 2 MONTHS BEGINNING 1-15-96 FOR A VOLUME OF 6,000 tons contaminated soil and metal debris.

YOUR APPROVAL NUMBER IS OCB9601016. PLEASE ENSURE THIS APPROVAL NUMBER IS ON ALL WASTE MANIFESTS AND CORRESPONDENCE REGARDING THIS WASTE STREAM IN ORDER TO FACILITATE PROPER DISPOSAL AND DOCUMENTATION. YOUR COOPERATION IS APPRECIATED.

SINCERELY,

Susan Williams
SUSAN WILLIAMS
CONTRACT ADMINISTRATOR

C:\123_WORK\SWNOTIFY.WK3

10800 NE 128th Avenue ◆ Okeechobee, FL 34972 ◆ 813/357-0111 ◆ 813/357-0777 FAX

Manifests A9601 through A9653
were used for the disposal of the
contaminated soils from AOC-B.
A copy of manifest A9601 is attached as
a sample. If copy of all the manifests is desired,
it is available upon request.

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.: EPA ID # NOT REQUIRED

Manifest Document No.: A9601

2. Page 1 of

3. Generator's Name and Mailing Address: Commanding Officer, Building A629 Code 1883, Key West, FL 33040

4. Generator's Phone: (305) 293-2583

5. Transporter 1 Company Name: Soil Tech Distributor, Inc

6. US EPA ID Number:

A. State Transporter's ID:

B. Transporter 1 Phone: (305) 628-2362

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address: Chambers Okeechobee Land Fill, 10800 N.E. 126th Ave, Okeechobee, FL 32972

10. US EPA ID Number:

E. State Facility's ID:

F. Facility's Phone: (813) 357-0111

11. WASTE DESCRIPTION

| | Containers No. | Containers Type | 13. Total Quantity | 14. Unit Wt./Vol. |
|---|---|---|---|---|
| a. NON HAZARDOUS / NON RCRA WASTE (Soil with Debris) | 001 | DT | 20 | Y |
| b. | | | | |
| c. | | | | |
| d. | | | | |

F. Additional Descriptions for Materials Listed Above: Approval Number: OCB9601016; 24 hour Emergency Number: (305) 293-3333

G. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information: Subcontract Number: 22567-321-SC-0415; Location: AOC-B; Truck Number:; Trailer Number:; Release Time:

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Daniel Hillis — Signature: [signature] — Date: Month 2 Day 12 Year 96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: LAZARO UALDEZ — Signature: [signature] — Date: Month 2 Day 12 Year 96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: L. Rauberson — Signature: L. Rauberson 135188 — Date: Month 2 Day 12 Year 96

HCRA NON-HAZARDOUS WASTE

CHAMBERS WASTE SYSTEMS OF FLORIDA
OKEECHOBEE BERMAN ROAD LANDFILL 0
ket Number 135188 Waste ID SOL CONTAMINATED SOIL
2/12/1996 Time In 14:47 Out 15:04

ghmaster 11 Signature
icle Number AE 169
ERAL TAX ID NO. Rate ($/Ton) $
ount Number 50045169 Minimum Charge $
ASSOCIATED ENV
ck Type 9000 State FL Route
mbers Company : NO

f Lading Tons 0.00 Grid Location
f Lading Date 02/12/1996 B/of Lading Num

| Municipality | % | tons | Price | Cty | Municipality | % | tons | Price |
|---|---|---|---|---|---|---|---|---|
| NO MUNICIPALITY | 100 | 22.44 | | | | | | |

ss lbs 69420 Inbound Scale 1 Charge Total Price $
lbs 24540 Outbound Scale 2 COMPUTED NET
lbs 44880 22.44 tons Vehicle Capacity 0 Cu Yds

CUSTOMER COPY

29-1745

MANAGEMENT SERVICES, INC.

T# 078655

An **original report form** must be completed for each separate waste stream. Do **not submit copies.**
Is this a ☒ New Waste for Approval?
or ☐ Waste Stream Reapproval? Previous Approval # _____

mplete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT .MPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

## SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☐ TREATMENT
**Michigan Disposal, Inc.**
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☐ RECOVERY/FUEL BLENDING
**Michigan Recovery Systems, Inc.**
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
**Wayne Disposal, Inc.**
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

## SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Commanding Officer
Plant Name SWMU - 1
Address Building A629 Code 1883
KEY WEST State FL Zip 33040
Contact Patsy Watson
Alternate Randall Veal

S.I.C. Codes* _____
US EPA ID #* FL 6170022952

Telephone (305) 293-2583 Fax (305) 293-2542
Telephone (423) 265-3108 Fax (423) 266-1107

## SECTION III - INVOICING INFORMATION

Customer Associated Environmental Services, Inc
Address 411 West 25th Street
Chattanooga State TN Zip 37408
Contact Randall L. Veal

Has an account been opened? Yes ☒ No ☐
If Yes, Account # _____

Telephone (423) 265-3108 Fax (423) 266-1107

## SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by Nick C. Ring

Date sample collected 12-12-95

Date sample and form sent 12-12-95

* See full instructions on separate sheet. Printed on Recycled Paper Form 911 (11-91)

## SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste: a. Reactive? Yes ☐ No ☒ | d. Pyrophoric? Yes ☐ No ☒
   b. Shock Sensitive? Yes ☐ No ☒ | e. Oxidizer? Yes ☐ No ☒
   c. Explosive? Yes ☐ No ☒ | f. Radioactive? Yes ☐ No ☒

   If yes, contact an Envotech Management Services Representative at (313) 697-7830 **before completing this form.**
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☒ Drums ☐ Other ☐
   Shipping Volume per Week _____ per Month _____
   Annual Total Volume _____ One Time Only Volume 1000 TONS
5. DOT Shipping Name* "RQ" HAZARDOUS, WASTE, SOLID, N.O.S. PG III
   Hazard Class* 9 UN/NA #* 3077

## SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   Powdery Solid ☐ Sludge (non pumpable) ☐
   Other Solid* ☐ Liquid (pumpable) ☐
   Soils ☒ Liquid (multi phase) ☐
   Debris (describe) METAL, ROCK, WOOD, BRUSH
2. Does the waste have a characteristic odor?* Yes ☐ No ☒ Describe _____
3. Color Description*: Brown

USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes ☐ No ☒ ..... Method 9095
5. Density: _____ lbs/gallon or lbs/cubic yards or 2100-2500 specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☐ 5-9.9 ☐ 10-12.4 ☐ >12.5 ☐ (attach lab results) ..... Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☐ >200°F ☒ (attach lab results) .. Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☒

## SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Soil c/w lead
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**
3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

| | Minimum | | Maximum | |
|---|---|---|---|---|
| Soil | 85 | to | 89 | % |
| Debris | 0 | to | 15 | % |
| | | to | | % |
| | | to | | % |
| TOTAL: | | | 100 | % |

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

| | YES | NO | CODES |
|---|---|---|---|
| a. Does this waste meet any F listing description? | ☐ | ☒ | |
| b. Does this waste meet any K listing description? | ☐ | ☒ | |
| c. Does this waste meet any P listing description? | ☐ | ☒ | |
| d. Does this waste meet any U listing description? | ☐ | ☒ | |
| e. Does this waste exhibit Ignitability? (attach lab results) | ☐ | ☒ | |
| f. Does this waste exhibit Corrosivity? (attach lab results) | ☐ | ☒ | |
| g. Does this waste exhibit Reactivity? (attach lab results) | ☐ | ☒ | |
| h. Does this waste exhibit Toxicity? (attach lab results) | ☒ | ☐ | D008 |
| i. Does this waste leach Copper > 100ppm? (attach lab results) | ☐ | ☒ | |
| j. Does this waste leach Zinc > 500ppm? (attach lab results) | ☐ | ☒ | |

5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results) ..... ☒ ☐ D008
   Is this a non-hazardous liquid waste regulated by Michigan Act 136?* ..... ☐ ☒
   ach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

## SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____

Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%) _____

## SECTION IX - CERTIFICATIONS

| | | Yes | No |
|---|---|---|---|
| 1. | Does the waste contain cyanide amenable to chlorination above 250 ppm?* | ☐ | ☒ |
| 2. | Does the waste contain reactive sulfide above 500 ppm?* | ☐ | ☒ |
| 3. | Does this waste contain PCBs greater than 49 ppm?* | ☐ | ☒ |
| 4. | Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028? | ☐ | ☒ |
| 5. | Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L? | ☐ | ☒ |
| 6. | Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)? | ☐ | ☒ |

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)
For those constituents not tested, mark "No" **and** sign the certification provided.
Either "Yes" or "No" **MUST** be checked for each and every constituent.

| TCLP REGULATORY ACTION LEVELS | | | CONSTITUENT TESTING CONDUCTED OR CERTIFICATION | |
|---|---|---|---|---|
| ZHE ORGANICS* | mg./L | YES | NO | CERTIFICATION |
| D018 Benzene | 0.5 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D019 Carbon Tetrachloride | 0.5 | ☐ | ☒ | |
| D021 Chlorobenzene | 100.0 | ☐ | ☒ | |
| D022 Chloroform | 6.0 | ☐ | ☒ | |
| D028 1,2-Dichloroethane | 0.5 | ☐ | ☒ | |
| D029 1,1-Dichloroethylene | 0.7 | ☐ | ☒ | |
| D035 Methyl Ethyl Ketone | 200.0 | ☐ | ☒ | |
| D039 Tetrachloroethylene | 0.7 | ☐ | ☒ | |
| D040 Trichloroethylene | 0.5 | ☐ | ☒ | |
| D043 Vinyl Chloride | 0.2 | ☐ | ☒ | |
| METALS* | | | | CERTIFICATION |
| D004 Arsenic | 5.0 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D005 Barium | 100.0 | ☐ | ☒ | |
| D006 Cadmium | 1.0 | ☐ | ☒ | |
| D007 Chromium | 5.0 | ☐ | ☒ | |
| D008 Lead | 5.0 | ☒ | ☐ | |
| D009 Mercury | 0.2 | ☐ | ☒ | |
| D010 Selenium | 1.0 | ☐ | ☒ | |
| D011 Silver | 5.0 | ☐ | ☒ | |
| 001D Copper | 100.0 | ☐ | ☒ | |
| 003D Zinc | 500.0 | ☐ | ☒ | |
| ACID EXTRACTABLES* | | | | CERTIFICATION |
| D023 o-Cresol** | 200.0 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D024 m-Cresol** | 200.0 | ☐ | ☒ | |
| D025 p-Cresol** | 200.0 | ☐ | ☒ | |
| D026 Cresol | 200.0 | ☐ | ☒ | |
| D037 Pentachlorophenol | 100.0 | ☐ | ☒ | |
| D041 2,4,5-Trichlorophenol | 400.0 | ☐ | ☒ | |
| D042 2,4,6-Trichlorophenol | 2.0 | ☐ | ☒ | |

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

| TCLP REGULATORY ACTION LEVELS | | CONSTITUENT TESTING CONDUCTED OR CERTIFICATION | | |
|---|---|---|---|---|
| BASE NEUTRAL EXTRACTABLES* | mg./L | YES | NO | CERTIFICATION |
| D027 1,4-Dichlorobenzene | 7.5 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D030 2,4-Dinitrotoluene | 0.13 | ☐ | ☒ | |
| D032 Hexachlorobenzene | 0.13 | ☐ | ☒ | |
| D033 Hexachlorobutadiene | 0.5 | ☐ | ☒ | |
| D034 Hexachloroethane | 3.0 | ☐ | ☒ | |
| D036 Nitrobenzene | 2.0 | ☐ | ☒ | |
| D038 Pyridine | 5.0 | ☐ | ☒ | |
| PESTICIDES* | | | | CERTIFICATION |
| D020 Chlordane | 0.03 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D012 Endrin | 0.02 | ☐ | ☒ | |
| D031 Heptachlor (& its Hydroxide) | 0.008 | ☐ | ☒ | |
| D013 Lindane | 0.4 | ☐ | ☒ | |
| D014 Methoxychlor | 10.0 | ☐ | ☒ | |
| D015 Toxaphene | 0.5 | ☐ | ☒ | |
| HERBICIDES* | | | | |
| D016 2,4-D | 10.0 | ☐ | ☒ | |
| D017 2,4,5-TP (Silvex) | 1.0 | ☐ | ☒ | |

## REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

### APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed _____ Title _____

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations pertaining to the waste described herein."

Signature Patricia A. Watson Printed Name Patricia A. Watson Date 1/9/96

mpany Naval Air Station, Key West Title Environmental Engineer Tech.

* See full instructions on separate sheet. Printed on Recycled Paper Form 911 (11-91)

ENVOTECH®
MANAGEMENT SERVICES, INCORPORATED

Environmental Protection Facility
49350 North I-94 Service Drive
Belleville, Michigan 48111
(313) 697-7830

RECEIVED
BECHTEL

JAN 30 1996

22567-3 2 1 Date 01/16/96
SC-0415-28 Approval Number: 011596 MO

COMMANDING OFFICER-KEYWEST
~~SWMU-2~~ SWMU-1
BUILDING A629 CODE 1883
KEY WEST FL 33040
Attn: PATSY WATSON

Re: Waste disposal at ENVOTECH MANAGEMENT SERVICES,
EPA Identification Number MID000724831

Dear Sir/Madam,

This letter acknowledges the acceptability of the waste described below and that Envotech/Wayne Disposal,Inc. has the appropriate permit(s) and capacity to properly treat and dispose of your waste.

1. General Description:
SOIL/LEAD

2. EPA Waste Code: D008
Additional Waste Type:

3. Generator EPA Identification Number: FL6170022952

4. Please refer to our approval number 011596 MO when shipping or making any inquiries about the waste stream

PLEASE NOTE: This approval is based on information supplied to us by your company. As the Generator you are responsible for the accuracy of the characterization information. This approval is valid for a period of one year. You will be notified 90 days prior to the expiration of the recertification requirements to keep this approval active. Contact your transporter or broker to schedule the delivery of your waste. All shipments must be scheduled 72 hours prior to shipping.

If you have any questions, please do not hesitate to call us at 1-800-592-5489.

# CHAMBERS DEVELOPMENT COMPANY, INC.
# SPECIAL WASTE DISPOSAL APPLICATION

SALES PERSON: George Cubas

APPLICATION ID #:

DISPOSAL FACILITY: Chambers, FL

APPLICATION DATE:

## GENERAL INFORMATION

Customer Name: Commanding Officer
Address: (SWMU-1) Public Works Dept.
Code 1883 Key West, FL 33040
Phone: 305-293-2583
Contact: Patsy Watson
USEPA ID#: FL6170022952

Waste Type: Soil & Debris
Quantity: 6500 Tons Per: One time
Delivery Method: Bulk
Contractor: Associated Environmental Services Inc.
Contractor's Phone: 615-265-3108
State of Origin: FLORIDA State of Disposal: FLORIDA

## B. WASTE DESCRIPTION

Physical State: Solid (X) Liquid ( ) Gas ( ) Semi-Solid ( )
Single Phased: Yes (X) No ( )
% Solids: 90-95 pH: N/A
% Free Liquids: 0-0 Color: Brown to Gray
% Radioactive Waste: None Odor: None
% Asbestos: None Flash Point: N/A
Reactive Sulfides (ppm): None
Reactive Cyanides (ppm): None

PROCESS OF WASTE GENERATION: Abandoned open disposal area

CONTENTS OF WASTE BY VOLUME IN %: Soil 85% Metals <10% Misc. Solid waste <5% Sand <5%

## D. CERTIFICATIONS

I certify that the laboratory results identified below are attached as support to the data certified on this application form.

lab name(s): General Engineering Laboratories

report date(s): 9-2-95

sample ID#(s): SWMU-1 ID Numbers Attached

## C. HAZARDOUS CONSTITUENTS

| | Total (ppm) | TCLP (ppm) |
|---|---|---|
| PCB's | N.T. | |
| TPH | N.T. | |
| BTEX | N.T. | |
| TOX | N.T. | |
| **TCLP METALS** | | |
| Arsenic | | 42.1 ppb |
| Barium | | 331 ppb |
| Cadmium | | 3.3 ppb |
| Chromium | | 4.2 ppb |
| Lead | | 239 ppb |
| Mercury | | 1.0 ppb |
| Selenium | | 84.1 ppb |
| Silver | | 7.8 ppb |
| **TCLP VOLATILES/SEMI-VOLATILES** | | |
| Benzene | | N.T. |
| Carbon Tetrachloride | | N.T. |
| Chlorobenzene | | N.T. |
| Chloroform | | N.T. |
| m-Cresol | | N.T. |
| o-Cresol | | N.T. |
| p-Cresol | | N.T. |
| 1,4-Dichlorobenzene | | N.T. |
| 1,2-Dichloroethane | | N.T. |
| 1,1-Dichloroethene | | N.T. |
| 2,4-Dinitrotoluene | | N.T. |
| Hexachlorobenzene | | N.T. |
| Hexachlorobutadiene | | N.T. |
| Hexachloroethane | | N.T. |
| Methyl Ethyl Ketone | | N.T. |
| Nitrobenzene | | N.T. |
| Pentachlorophenol | | N.T. |
| Pyridine | | N.T. |
| Tetrachloroethene | | N.T. |
| Trichloroethene | | N.T. |
| 2,4,5-Trichlorophenol | | N.T. |
| 2,4,6-Trichlorophenol | | N.T. |
| Vinyl Chloride | | N.T. |
| **TCLP HERBICIDES/PESTICIDES** | | |
| Chlordane | | N.T. |
| Endrin | | N.T. |
| Heptachlor | | N.T. |
| Lindane (Gamma-BHC) | | N.T. |
| Methoxychlor | | N.T. |
| Silvex (2,4,5-TP) | | N.T. |
| Toxaphene | | N.T. |
| 2,4-D | | N.T. |

By signing this form I certify that:

Items noted as "N.T." not tested are not suspected chemicals of contamination based upon generator knowledge

1. I am the legal generator of the waste described on this form.
2. The waste described on this form is not a regulated Hazardous Waste as defined by the USEPA, the State of Origin or the State of Disposal listed above.
3. This form and its attachments contain true and accurate descriptions of the waste.
4. Any laboratory data used to support the information presented on this form has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, or other applicable regulations or guidelines, of EXACTLY THE SAME WASTE that I will deliver to Chambers for either hauling or disposal.

Certified Signature: Patricia A. Watson Date: 2/7/96

Patricia A. Watson, Environmental Engineering Technician
Naval Air Station, Key West, FL
Printed Typed Name, Title & Employer

mod 12-93

**CHAMBERS**
WASTE SYSTEMS OF FLORIDA, INC.
*Environmental protection. Service. Value*

OKEECHOBEE BERMAN ROAD LANDFILL

SPECIAL WASTE APPROVAL NOTIFICATION FORM

DATE: 2-12-96

CUSTOMER: Associated Environmental

ATTENTION: Randall Veal/Bill Andrews

RE: Commanding Officer, GENERATOR
Public Works Dept., Code 1883, Key West, FL

THE SPECIAL WASTE DISPOSAL APPLICATION YOU SUBMITTED FOR THE GENERATOR REFERENCED ABOVE HAS BEEN APPROVED FOR A PERIOD OF 2 MONTHS BEGINNING 2-9-96 FOR A VOLUME OF 7800 tons of soil and debris (SWMU-1)

YOUR APPROVAL NUMBER IS OCB9602012. PLEASE ENSURE THIS APPROVAL NUMBER IS ON ALL WASTE MANIFESTS AND CORRESPONDENCE REGARDING THIS WASTE STREAM IN ORDER TO FACILITATE PROPER DISPOSAL AND DOCUMENTATION. YOUR COOPERATION IS APPRECIATED.

SINCERELY,

Susan Williams
SUSAN WILLIAMS
CONTRACT ADMINISTRATOR

C:\123_WORK\SWNOTIFY.WK3

Manifests 96034, 96035 and 96083
were used for the disposal of the hazardous waste
contaminated soils and debris from SWMU-1.

Manifests 96036, through 96082 and 96084 through
96083 were used for the disposal of the nonhazardous waste
contaminated soils and debris from SWMU-1.

Copies of manifests 96034 and 96036 are attached as
samples. If copy of all the manifests is desired,
they are available upon request.

**ENVOTECH®**

MANAGEMENT SERVICES, INC.

# GENERATOR WASTE CHARACTERIZATION REPORT

RECEIVED BECHTEL

T# 076575

OCT 13 1995

An **original report form** must be completed for each separate waste stream. **Do not submit copies.**

Is this a ☐ New Waste for Approval?

or ☐ Waste Stream Reapproval? Previous Approval # _____ 22567 - 3 2 1

Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

## SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☒ TREATMENT
**Michigan Disposal, Inc.**
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☐ RECOVERY/FUEL BLENDING
**Michigan Recovery Systems, Inc.**
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
**Wayne Disposal, Inc.**
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

## SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Commanding Officer
Plant Name (SWMU-2)
Address Building A629 Code 1883
Key West State FL Zip 33040
Contact Patsy Watson
Alternate

S.I.C. Codes* 4953
US EPA ID #* ~~FL 417482~~ FL 6170022952

Telephone (305) 293-2583 Fax ( )
Telephone ( ) Fax ( )

## SECTION III - INVOICING INFORMATION

Customer Associated Environmental Services, Inc.
Address 411 West 26th Street
Chattanooga State TN Zip 37408
Contact Randall L. Veal

Has an account been opened? Yes ☐ No ☒
If Yes, Account #

Telephone (615) 265-3108 Fax (615) 266-1107

## SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by _____

Date sample collected _____

Date sample and form sent _____

Waste Common Name:

Generator Site Name:

Sample Collected By:

Date Collected: T#: 076575

* See full instructions on separate sheet. Printed on Recycled Paper Form 911 (11-9

## SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste:
   a. Reactive? Yes ☐ No ☒
   b. Shock Sensitive? Yes ☐ No ☒
   c. Explosive? Yes ☐ No ☒
   d. Pyrophoric? Yes ☐ No ☒
   e. Oxidizer? Yes ☐ No ☒
   f. Radioactive? Yes ☐ No ☒

   If yes, contact an Envotech Management Services Representative at (313) 697-7830 **before completing this form.**
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☒ Drums ☐ Other ☐
3. Shipping Volume per Week _____ per Month _____
4. Annual Total Volume _____ One Time Only Volume 8000 yards est.
5. DOT Shipping Name* "RQ" Hazardous waste, solid, n.o.s.
   Hazard Class* 9 UN/NA #* NA 3077

## SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   Powdery Solid ☐ Sludge (non pumpable) ☐
   Other Solid* ☐ Liquid (pumpable) ☐
   Soils ☒ Liquid (multi phase) ☐
   Debris (describe) plastic, concrete, wood, grass
2. Does the waste have a characteristic odor?* Yes ☐ No ☒ Describe _____
3. Color Description*: Light to Dark Brown

   USEPA SW-846* Method
4. Are Free Liquids associated with this waste? Yes ☐ No ☒ ..... Method 9095
5. Density: 2200 lb/cy lbs/gallon or lbs/cubic yards or _____ specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☐ 5-9.9 ☒ 10-12.4 ☐ >12.5 ☐ (attach lab results) .... Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☐ >200°F ☐ (attach lab results) .. Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☒

## SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Soil w/ DDD, DDE + DDT
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**

   Spill cleanup from an abandon DDD, DDE, DDT mixing area
3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

| | Minimum | | Maximum | |
|---|---|---|---|---|
| Soil | 90 | to | 95 | % |
| Wood, Grass | 0 | to | 5 | % |
| Concrete | 0 | to | 5 | % |
| Misc. Debris (PPE, plastic) | 0 | to | 5 | % |
| TOTAL: | | | 100 | % |

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

| | YES | NO | CODES |
|---|---|---|---|
| a. Does this waste meet any F listing description? | ☐ | ☒ | |
| b. Does this waste meet any K listing description? | ☐ | ☒ | |
| c. Does this waste meet any P listing description? | ☐ | ☒ | |
| d. Does this waste meet any U listing description? | ☒ | ☐ | U060, U061 |
| e. Does this waste exhibit Ignitability? (attach lab results) | ☐ | ☒ | |
| f. Does this waste exhibit Corrosivity? (attach lab results) | ☐ | ☒ | |
| g. Does this waste exhibit Reactivity? (attach lab results) | ☐ | ☒ | |
| h. Does this waste exhibit Toxicity? (attach lab results) | ☒ | ☒ | |
| i. Does this waste leach Copper > 100ppm? (attach lab results) | ☐ | ☒ | |
| j. Does this waste leach Zinc > 500ppm? (attach lab results) | ☐ | ☒ | |
| 5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results) | ☒ | ☐ | |
| 6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?* | ☐ | ☒ | |

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

## SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____

Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%) _____

## SECTION IX - CERTIFICATIONS

| | | Yes | No |
|---|---|---|---|
| 1. | Does the waste contain cyanide amenable to chlorination above 250 ppm?* | ☐ | ☒ |
| 2. | Does the waste contain reactive sulfide above 500 ppm?* | ☐ | ☒ |
| 3. | Does this waste contain PCBs greater than 49 ppm?* | ☐ | ☒ |
| 4. | Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028? | ☐ | ☒ |
| 5. | Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L? | ☐ | ☒ |
| 6. | Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)? | ☐ | ☒ |

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)
For those constituents not tested, mark "No" **and** sign the certification provided.
Either "Yes" or "No" **MUST** be checked for each and every constituent.

| | TCLP REGULATORY ACTION LEVELS | | CONSTITUENT TESTING CONDUCTED OR CERTIFICATION | |
|---|---|---|---|---|
| ZHE ORGANICS* | mg./L | YES | NO | CERTIFICATION |
| D018 Benzene | 0.5 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D019 Carbon Tetrachloride | 0.5 | ☐ | ☒ | |
| D021 Chlorobenzene | 100.0 | ☐ | ☒ | |
| D022 Chloroform | 6.0 | ☐ | ☒ | |
| D028 1,2-Dichloroethane | 0.5 | ☐ | ☒ | |
| D029 1,1-Dichloroethylene | 0.7 | ☐ | ☒ | |
| D035 Methyl Ethyl Ketone | 200.0 | ☐ | ☒ | |
| D039 Tetrachloroethylene | 0.7 | ☐ | ☒ | |
| D040 Trichloroethylene | 0.5 | ☐ | ☒ | |
| D043 Vinyl Chloride | 0.2 | ☐ | ☒ | |
| METALS* | | | | CERTIFICATION |
| D004 Arsenic | 5.0 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D005 Barium | 100.0 | ☐ | ☒ | |
| D006 Cadmium | 1.0 | ☐ | ☒ | |
| D007 Chromium | 5.0 | ☐ | ☒ | |
| D008 Lead | 5.0 | ☐ | ☒ | |
| D009 Mercury | 0.2 | ☐ | ☒ | |
| D010 Selenium | 1.0 | ☐ | ☒ | |
| D011 Silver | 5.0 | ☐ | ☒ | |
| 001D Copper | 100.0 | ☐ | ☒ | |
| 003D Zinc | 500.0 | ☐ | ☒ | |
| ACID EXTRACTABLES* | | | | CERTIFICATION |
| D023 o-Cresol** | 200.0 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D024 m-Cresol** | 200.0 | ☐ | ☒ | |
| D025 p-Cresol** | 200.0 | ☐ | ☒ | |
| D026 Cresol | 200.0 | ☐ | ☒ | |
| D037 Pentachlorophenol | 100.0 | ☐ | ☒ | |
| D041 2,4,5-Trichlorophenol | 400.0 | ☐ | ☒ | |
| D042 2,4,6-Trichlorophenol | 2.0 | ☐ | ☒ | |

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

## SECTION IX - CERTIFICATIONS (Continued)

| TCLP REGULATORY ACTION LEVELS | | | CONSTITUENT TESTING CONDUCTED OR CERTIFICATION | |
|---|---|---|---|---|
| BASE NEUTRAL EXTRACTABLES* | mg./L | YES | NO | CERTIFICATION |
| D027 1,4-Dichlorobenzene | 7.5 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D030 2,4-Dinitrotoluene | 0.13 | ☐ | ☒ | |
| D032 Hexachlorobenzene | 0.13 | ☐ | ☒ | |
| D033 Hexachlorobutadiene | 0.5 | ☐ | ☒ | |
| D034 Hexachloroethane | 3.0 | ☐ | ☒ | |
| D036 Nitrobenzene | 2.0 | ☐ | ☒ | |
| D038 Pyridine | 5.0 | ☐ | ☒ | |
| PESTICIDES* | | | | CERTIFICATION |
| D020 Chlordane | 0.03 | ☐ | ☒ | "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." Signed Patricia A. Watson |
| D012 Endrin | 0.02 | ☐ | ☒ | |
| D031 Heptachlor (& its Hydroxide) | 0.008 | ☐ | ☒ | |
| D013 Lindane | 0.4 | ☐ | ☒ | |
| D014 Methoxychlor | 10.0 | ☐ | ☒ | |
| D015 Toxaphene | 0.5 | ☐ | ☒ | |
| HERBICIDES* | | | | |
| D016 2,4-D | 10.0 | ☐ | ☒ | |
| D017 2,4,5-TP (Silvex) | 1.0 | ☐ | ☒ | |

### REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed Patricia A. Watson Title Env. Eng. Tech.

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations pertaining to the waste described herein."

Signature Patricia A. Watson Printed Name Patricia A. Watson Date 10/13/95

Company Naval Air Station Title Env. Eng. Tech.

* See full instructions on separate sheet. Printed on Recycled Paper

ENVOTECH®
MANAGEMENT SERVICES, INCORPORATED

Environmental Protection Facility
49350 North I-94 Service Drive
Belleville, Michigan 48111
(313) 697-7830

RECEIVED
BECHTEL

NOV 28 1995

22567-321

Date 11/20/95

Approval Number: 111695 MY

COMMANDING OFFICER-KEYWEST
SWMU-2
~~BUILDING A629 CODE 1883~~
KEY WEST FL 33040
Attn: PATSY WATSON

Re: Waste disposal at ENVOTECH MANAGEMENT SERVICES,
EPA Identification Number MID000724831

Dear Sir/Madam,

This letter acknowledges the acceptability of the waste described below and that Envotech/Wayne Disposal,Inc. has the appropriate permit(s) and capacity to properly treat and dispose of your waste.

1. General Description:
SOIL/DDD,DDE,DDT

2. EPA Waste Code: U060
Additional Waste Type:
U061

3. Generator EPA Identification Number: FL6170022952

4. Please refer to our approval number 111695 MY when shipping or making any inquiries about the waste stream

PLEASE NOTE: This approval is based on information supplied to us by your company. As the Generator you are responsible for the accuracy of the characterization information. This approval is valid for a period of one year. You will be notified 90 days prior to the expiration of the recertification requirements to keep this approval active. Contact your transporter or broker to schedule the delivery of your waste. All shipments must be schuduled 72 hours prior to shipping.

If you have any questions, please do not hesitate to call us at 1-800-592-5489.

Manifests 96363 through 96468 were used for the disposal of the hazardous waste contaminated soils and debris from SWMU-2. A copies of manifest 96363 is attached as samples. If copy of all the manifests is desired, they are available upon request.

DNR
MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

1969.
Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-96

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F 1 6 1 7 0 0 2 2 9 5 2 Manifest Document No. 96363

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Commanding Officer
Bldg. A 629 Code 1883
Key West, FL 33040

4. Generator's Phone ( 305 ) 293-2583

A. State Manifest Document Number MI 3965100

B. State Generator's ID

5. Transporter 1 Company Name: Robbie D. Wood Trucking

6. US EPA ID Number: A I D 0 6 7 1 3 8 9 1

C. State Transporter's ID

D. Transporter's Phone (205) 944-8440

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Michigan Disposal (Treatment Services - Belleville, Inc.)
49350 North I-94 Service Drive
Belleville, MI 48111

10. US EPA ID Number: M I D 0 0 0 7 2 4 8 3 1

G. State Facility's ID

H. Facility's Phone (313) 697-2200

| 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). | HM | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol | I. Waste No. | N/H |
|---|---|---|---|---|---|---|---|
| a. "RQ"Hazardous waste, solid,n.o.s.,9,NA3077,PGIII (Soil c/w DDD,DDE and DDT)(U060,U061) ERG# 31 | X | 001 | DT | 0022 | Y | U060 U061 | H |
| b. | | | | | | | |
| c. | | | | | | | |
| d. | | | | | | | |

J. Additional Descriptions for Materials Listed Above
11-a Approval # 111695 MY
24 Hour Emergency Contact # 1-305-293-3333

K. Handling Codes for Wastes Listed Above
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
Subcontract # 22567-321-SC-0415 (SWMU-2)
Truck# 119 Trailer# 568 Release Time- 0845

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: [illegible] Signature: [illegible] Date: Month 04 Day 01 Year 96

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL COX Signature: [illegible] Date: Month 04 Day 01 Year 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Date: Month Day Year

TRANSPORTER

19. Discrepancy Indication Space
MDI RECEIVED 49040 LESS ATTEN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: James M Combs Jr Signature: [illegible] Date: Month 04 Day 03 Year 96

FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/88)

PR 5110 Rev. 10/94

TSDF COPY

THE ENVIRONMENTAL QUALITY COMPANY

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 3965100 have been properly disposed of in accordance with all local, state and federal regulations. "Disposed of" means either: 1) Burial, or 2) Processed as specified in 40 CFR et seq.

**FACILITY NAME:** *(Check One)* ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) ☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

**ADDRESS:** 49350 N. I-94 Service Drive
Belleville, Michigan

**PHONE NUMBER:** 1-800-592-5489

Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

EQ - THE ENVIRONMENTAL QUALITY CO.

Signed: Denise C. Guiaient-Neuman
(Authorized Signature)

**SWMU-7**
**Confirmation Sample ID / Location**
**Cross Reference Index**

| Sample ID | Station ID | Depth | Parameter | Comments |
|---|---|---|---|---|
| 2633 | Conf. 1 | 0-6" | PCBs | |
| 2634 | Conf. 2 | 0-6" | PCBs | |
| 2635 | Conf. 3 | 0-6" | PCBs | Duplicate of 2534 |
| 2636 | Conf. 4 | 0-6" | PCBs | |
| 2637 | Conf. 5 | 0-6" | PCBs | |
| SWMU-7 | Grab | | TRPH, PCBs, 8020 Volatile Aromatics, TCLP Metals | Profile Sampling |

22567-321-0494-0012-001-01

FORM 1

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

263301

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53301

Matrix: (soil/water) SOIL Lab Sample ID: 268750

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 07SE951809-I171

% Moisture: 20 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/28/95

Concentrated Extract Volume: 10 (mL) Date Analyzed: 09/08/95

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | 21 | U |
| 1104-28-2 | Aroclor-1221 | 21 | U |
| 11141-16-5 | Aroclor-1232 | 21 | U |
| 53469-21-9 | Aroclor-1242 | 21 | U |
| 12672-29-6 | Aroclor-1248 | 21 | U |
| 11097-69-1 | Aroclor-1254 | 21 | U |
| 11096-82-5 | Aroclor-1260 | 230 | |

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

263401

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53301

Matrix: (soil/water) SOIL Lab Sample ID: 268751

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 07SE951809-I181

% Moisture: 26 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/28/95

Concentrated Extract Volume: 10(mL) Date Analyzed: 09/08/95

Injection Volume: 1.0(uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | 4600 | U |
| 1104-28-2 | Aroclor-1221 | 4600 | U |
| 11141-16-5 | Aroclor-1232 | 4600 | U |
| 53469-21-9 | Aroclor-1242 | 4600 | U |
| 12672-29-6 | Aroclor-1248 | 4600 | U |
| 11097-69-1 | Aroclor-1254 | 4600 | U |
| 11096-82-5 | Aroclor-1260 | 17000 | |

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

263501

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53301

Matrix: (soil/water) SOIL Lab Sample ID: 268752

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 07SE951809-I191

% Moisture: 27 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/28/95

Concentrated Extract Volume: 10 (mL) Date Analyzed: 09/08/95

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | 4600 | U |
| 1104-28-2 | Aroclor-1221 | 4600 | U |
| 11141-16-5 | Aroclor-1232 | 4600 | U |
| 53469-21-9 | Aroclor-1242 | 4600 | U |
| 12672-29-6 | Aroclor-1248 | 4600 | U |
| 11097-69-1 | Aroclor-1254 | 4600 | U |
| 11096-82-5 | Aroclor-1260 | 16000 | |

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

263601

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53301

Matrix: (soil/water) SOIL Lab Sample ID: 268753

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 07SE951809-I201

% Moisture: 18 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/28/95

Concentrated Extract Volume: 10 (mL) Date Analyzed: 09/08/95

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 9.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | 200 | U |
| 1104-28-2 | Aroclor-1221 | 200 | U |
| 11141-16-5 | Aroclor-1232 | 200 | U |
| 53469-21-9 | Aroclor-1242 | 200 | U |
| 12672-29-6 | Aroclor-1248 | 200 | U |
| 11097-69-1 | Aroclor-1254 | 200 | U |
| 11096-82-5 | Aroclor-1260 | 730 | |

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

263701

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53301

Matrix: (soil/water) SOIL Lab Sample ID: 268754

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 07SE951809-I241

% Moisture: 18 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/28/95

Concentrated Extract Volume: 10(mL) Date Analyzed: 09/08/95

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 9.1 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | 2100 | U |
| 1104-28-2 | Aroclor-1221 | 2100 | U |
| 11141-16-5 | Aroclor-1232 | 2100 | U |
| 53469-21-9 | Aroclor-1242 | 2100 | U |
| 12672-29-6 | Aroclor-1248 | 2100 | U |
| 11097-69-1 | Aroclor-1254 | 2100 | U |
| 11096-82-5 | Aroclor-1260 | 10000 | P |

MW 1/22/95

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

263801

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53301

Matrix: (soil/water) WATER Lab Sample ID: 268755

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 07SE951809-I121

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/29/95

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/08/95

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | 0.050 | U |
| 1104-28-2 | Aroclor-1221 | 0.050 | U |
| 11141-16-5 | Aroclor-1232 | 0.050 | U |
| 53469-21-9 | Aroclor-1242 | 0.050 | U |
| 12672-29-6 | Aroclor-1248 | 0.050 | U |
| 11097-69-1 | Aroclor-1254 | 0.050 | U |
| 11096-82-5 | Aroclor-1260 | 0.050 | U |

pace INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Mr. Randall Veal
Page 3

September 07, 1995
PACE Project Number: 250801513

Client Reference: Key West Naval Air Station

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0664150 | |
| Date Collected: | | | 08/07/95 | |
| Time Collected: | | | 10:17 | |
| Date Received: | | | 08/10/95 | |
| Client Sample ID: | | | SWMU-7 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| INORGANIC ANALYSIS | | | | |
| INDIVIDUAL PARAMETERS | | | | |
| Specific Gravity | | | 2.0189 | 08/23/95 |
| ORGANIC ANALYSIS | | | | |
| 9073 - TRPH | | | | |
| Date Extracted | | | 08/11/95 | |
| TRPH - 9073 | mg/kg | 5 | 33 | 08/14/95 |
| POLYCHLORINATED BIPHENYLS SW-846 | | | | |
| Date Extracted - 3550 | | | 08/11/95 | |
| PCB-1016 | ug/kg | 200 | ND | 08/14/95 |
| PCB-1221 | ug/kg | 200 | ND | 08/14/95 |
| PCB-1232 | ug/kg | 200 | ND | 08/14/95 |
| PCB-1242 | ug/kg | 200 | ND | 08/14/95 |
| PCB-1248 | ug/kg | 200 | ND | 08/14/95 |
| PCB-1254 | ug/kg | 200 | ND | 08/14/95 |
| PCB-1260 | ug/kg | 200 | 3900 | 08/14/95 |
| 2,4,5,6-Tetrachloro-m-xylene - Surrogate | % | | 85 | 08/14/95 |
| Decachlorobiphenyl (Surrogate) | % | | 130 | 08/14/95 |



5460 Beaumont Center Blvd.
Tampa, FL 33634
TEL: 813-884-8268
FAX: 813-888-6382

An Equal Opportunity Employer

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Mr. Randall Veal
Page 4

September 07, 1995
PACE Project Number: 250801513

Client Reference: Key West Naval Air Station

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0664168 | |
| Date Collected: | | | 08/07/95 | |
| Time Collected: | | | 10:15 | |
| Date Received: | | | 08/10/95 | |
| Client Sample ID: | | | SWMU-7 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| BTEX - 8020 VOLATILE AROMATICS | | | | |
| Surrogate Recovery - 8020 | % | | 94 | 08/11/95 |
| Benzene | ug/kg | 5.0 | ND | 08/11/95 |
| Toluene | ug/kg | 5.0 | ND | 08/11/95 |
| Ethylbenzene | ug/kg | 5.0 | ND | 08/11/95 |
| Xylenes, Total | ug/kg | 5.0 | ND | 08/11/95 |
| Total VOA | ug/kg | 5.0 | ND | 08/11/95 |



5460 Beaumont Center Blvd.
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PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Mr. Randall Veal
Page 7

September 07, 1995
PACE Project Number: 250801513

Client Reference: Key West Naval Air Station

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0664176 | |
| Date Collected: | | | 08/07/95 | |
| Time Collected: | | | 10:17 | |
| Date Received: | | | 08/10/95 | |
| Client Sample ID: | | | SWMU-7 | |
| Parameter | Units | PRL | LEACHATE (1) | DATE ANALYZED |
| INORGANIC ANALYSIS | | | | |
| TCLP METALS | | | | |
| Arsenic - TCLP | mg/L | 0.5 | ND | 08/15/95 |
| Barium - TCLP | mg/L | 0.3 | 1.2 | 08/15/95 |
| Cadmium - TCLP | mg/L | 0.01 | ND | 08/15/95 |
| Chromium - TCLP | mg/L | 0.05 | 0.18 | 08/15/95 |
| Lead - TCLP | mg/L | 0.1 | 0.4 | 08/15/95 |
| Mercury - TCLP | ug/L | 20 | ND | 08/15/95 |
| Selenium - TCLP | mg/L | 0.5 | ND | 08/15/95 |
| Silver - TCLP | mg/L | 0.02 | ND | 08/15/95 |
| Date Digested - Mercury | | | 08/15/95 | |

These data have been reviewed and are approved for release.

Michael F. Valder
Manager, Inorganic Chemistry

Michael W. Palmer
Manager, Organic Chemistry


5460 Beaumont Center Blvd.
Tampa, FL 33634
TEL: 813-884-8268
FAX: 813-888-6382

**SWMU-3**
**Confirmation Sample ID / Location**
**Cross Reference Index**

| Sample ID | Station ID | Depth | Parameter | Comments |
|---|---|---|---|---|
| 2639 | Conf. 6 | 0-6" | VOCs, SVOCs and TAL Metals | |
| 2640 | Conf. 7 | 0-6" | VOCs, SVOCs and TAL Metals | |
| 2641 | Conf. 8 | 0-6" | VOCs, SVOCs and TAL Metals | |
| 2642 | Conf. 9 | 0-6" | VOCs, SVOCs and TAL Metals | |
| 2643 | Conf. 10 | 0-6" | VOCs, SVOCs and TAL Metals | Duplicate of 2542 |
| SWMU NO3 | Grab | | TRPH, 8020 Volatile Aromatics, TCLP Metals | Profile Sampling |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

263901

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520 gB 02/21/96

Matrix: (soil/water) SOIL Lab Sample ID: 269903

Sample wt/vol: 5.0 (g/mL) G Lab File ID: K269903V

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 15 Date Analyzed: 09/12/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 12 | U |
| 74-83-9 | Bromomethane | 12 | U |
| 75-01-4 | Vinyl Chloride | 12 | U |
| 75-00-3 | Chloroethane | 12 | U |
| 67-64-1 | Acetone | 12 | U |
| 75-15-0 | Carbon Disulfide | 6 | U |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 6 | U |
| 67-66-3 | Chloroform | 6 | U |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 78-93-3 | 2-Butanone | 12 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 12 | U |
| 591-78-6 | 2-Hexanone | 12 | U |
| 127-18-4 | Tetrachloroethene | 6 | U |
| 108-88-3 | Toluene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 1330-20-7 | Xylene (total) | 6 | U |
| 108-90-7 | Chlorobenzene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 75-09-2 | Methylene Chloride | 6 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U |



Revised 10/10/95
JMM

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

263901

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269903

Sample wt/vol: 5.0 (g/mL) G Lab File ID: K269903V

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 15 Date Analyzed: 09/12/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |



COOC061-B
Revised 10/10/95 JWM

22567-321-0494-0016-001-01

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

263903

Lab Name: ITS_AQUATEC_LABORATORIES_ Contract: 95211_____

Lab Code: AQUAI_ Case No.: KWFLA_ SAS No.: _____ SDG No.: 53520_

Matrix (soil/water): SOIL_ Lab Sample ID: 269905

Level (low/med): LOW__ Date Received: 09/02/95

% Solids: _86.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum_ | 639 | | | P |
| 7440-36-0 | Antimony_ | 0.24 | B | | P |
| 7440-38-2 | Arsenic__ | 0.55 | B | | P |
| 7440-39-3 | Barium___ | 7.1 | B | | P |
| 7440-41-7 | Beryllium | 0.08 | B | | P |
| 7440-43-9 | Cadmium__ | 0.06 | B | N | P |
| 7440-70-2 | Calcium__ | 376000 | | | P |
| 7440-47-3 | Chromium_ | 3.0 | | | P |
| 7440-48-4 | Cobalt___ | 0.17 | B | | P |
| 7440-50-8 | Copper___ | 0.69 | B | | P |
| 7439-89-6 | Iron_____ | 330 | | E | P |
| 7439-92-1 | Lead_____ | 0.16 | U | N | P |
| 7439-95-4 | Magnesium | 1220 | | E | P |
| 7439-96-5 | Manganese | 8.6 | | EN | P |
| 7439-97-6 | Mercury__ | 0.04 | U | | CV |
| 7440-02-0 | Nickel___ | 0.78 | B | N | P |
| 7440-09-7 | Potassium | 87.2 | B | | P |
| 7782-49-2 | Selenium_ | 0.28 | U | | P |
| 7440-22-4 | Silver___ | 0.14 | U | | P |
| 7440-23-5 | Sodium___ | 1000 | | | P |
| 7440-28-0 | Thallium_ | 0.33 | U | N | P |
| 7440-62-2 | Vanadium_ | 2.0 | B | | P |
| 7440-66-6 | Zinc_____ | 1.2 | B | | P |
| | Cyanide__ | 0.55 | U | | AS |

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

263904

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269906

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B269906D2S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/12/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 9.1

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 62-75-9 | N-Nitrosodimethylamine | 760 | U |
| 110-86-1 | Pyridine | 760 | U |
| 62-53-3 | Aniline | 760 | U |
| 108-95-2 | Phenol | 760 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 760 | U |
| 95-57-8 | 2-Chlorophenol | 760 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 760 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 760 | U |
| 100-51-6 | Benzyl Alcohol | 1500 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 760 | U |
| 95-48-7 | 2-Methylphenol | 760 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 760 | U |
| 106-44-5 | 4-Methylphenol | 760 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 760 | U |
| 67-72-1 | Hexachloroethane | 760 | U |
| 98-95-3 | Nitrobenzene | 760 | U |
| 78-59-1 | Isophorone | 760 | U |
| 88-75-5 | 2-Nitrophenol | 760 | U |
| 105-67-9 | 2,4-Dimethylphenol | 760 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 760 | U |
| 65-85-0 | Benzoic Acid | 3700 | U |
| 120-83-2 | 2,4-Dichlorophenol | 760 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 760 | U |
| 91-20-3 | Naphthalene | 760 | U |
| 106-47-8 | 4-Chloroaniline | 1500 | U |
| 87-68-3 | Hexachlorobutadiene | 760 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1500 | U |
| 91-57-6 | 2-Methylnaphthalene | 760 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 760 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 760 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 3700 | U |
| 91-58-7 | 2-Chloronaphthalene | 760 | U |
| 88-74-4 | 2-Nitroaniline | 3700 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

263904

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269906

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B269906D2S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/12/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/95

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 9.1

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 760 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 760 | U |
| 99-09-2 | 3-Nitroaniline | 3700 | U |
| 208-96-8 | Acenaphthylene | 760 | U |
| 83-32-9 | Acenaphthene | 760 | U |
| 51-28-5 | 2,4-Dinitrophenol | 3700 | U |
| 100-02-7 | 4-Nitrophenol | 3700 | U |
| 132-64-9 | Dibenzofuran | 760 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 760 | U |
| 84-66-2 | Diethylphthalate | 760 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 760 | U |
| 86-73-7 | Fluorene | 760 | U |
| 100-01-6 | 4-Nitroaniline | 3700 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 3700 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 760 | U |
| 103-33-3 | Azobenzene | 760 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 760 | U |
| 118-74-1 | Hexachlorobenzene | 760 | U |
| 87-86-5 | Pentachlorophenol | 3700 | U |
| 85-01-8 | Phenanthrene | 760 | U |
| 120-12-7 | Anthracene | 760 | U |
| 86-74-8 | Carbazole | 760 | U |
| 84-74-2 | Di-n-butylphthalate | 760 | U |
| 206-44-0 | Fluoranthene | 760 | U |
| 129-00-0 | Pyrene | 760 | U |
| 85-68-7 | Butylbenzylphthalate | 760 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 760 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1500 | U |
| 56-55-3 | Benzo(a)anthracene | 760 | U |
| 218-01-9 | Chrysene | 760 | U |
| 117-84-0 | Di-n-octylphthalate | 760 | U |
| 205-99-2 | Benzo(b)fluoranthene | 760 | U |
| 207-08-9 | Benzo(k)fluoranthene | 760 | U |

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

263904

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269906

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B269906D2S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/12/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/95

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 9.1

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 50-32-8 | Benzo(a)pyrene | 760 | U |
| 53-70-3 | Dibenz(a,h)anthracene | 760 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 760 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 760 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

263904

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269906

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B269906D2S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/12/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 9.1

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

Number TICs found: 21

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 2-PENTANONE, 4-HYDROXY-4-MET | 4.83 | 20000 | NAJB |
| 2. 112-40-3 | DODECANE | 9.53 | 6000 | NJ |
| 3. | UNKNOWN ALKANE | 9.70 | 3900 | J |
| 4. | UNKNOWN ALIPHATICS | 10.27 | 2000 | ZJ |
| 5. | UNKNOWN ALKANE | 10.37 | 7000 | J |
| 6. 629-50-5 | TRIDECANE | 10.68 | 10000 | NJ |
| 7. | UNKNOWN ALKANE | 10.88 | 1800 | J |
| 8. | UNKNOWN CYCLOALKANE | 11.25 | 2700 | J |
| 9. | UNKNOWN ALKANE | 11.37 | 2100 | J |
| 10. | UNKNOWN ALKANE | 11.52 | 6900 | J |
| 11. 629-59-4 | TETRADECANE | 11.75 | 12000 | NJ |
| 12. | UNKNOWN ALKANE | 12.38 | 6500 | J |
| 13. 629-62-9 | PENTADECANE | 12.75 | 7900 | NJ |
| 14. 544-76-3 | HEXADECANE | 13.70 | 5100 | NJ |
| 15. 629-78-7 | HEPTADECANE | 14.60 | 5100 | NJ |
| 16. 1921-70-6 | PENTADECANE, 2,6,10,14-TETRA | 14.65 | 5800 | NJ |
| 17. 593-45-3 | OCTADECANE | 15.45 | 4400 | NJ |
| 18. 638-36-8 | HEXADECANE, 2,6,10,14-TETRAM | 15.53 | 2500 | NJ |
| 19. 629-92-5 | NONADECANE | 16.25 | 3600 | NJ |
| 20. 112-95-8 | EICOSANE | 17.03 | 2400 | NJ |
| 21. | UNKNOWN ALKANE | 14.13 | 2300 | J |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

264001

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269907

Sample wt/vol: 5.0 (g/mL) G Lab File ID: K269907I2V

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 14 Date Analyzed: 09/11/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 12 | U |
| 74-83-9 | Bromomethane | 12 | U |
| 75-01-4 | Vinyl Chloride | 12 | U |
| 75-00-3 | Chloroethane | 12 | U |
| 67-64-1 | Acetone | 12 | U |
| 75-15-0 | Carbon Disulfide | 6 | U |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 6 | U |
| 67-66-3 | Chloroform | 6 | U |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 78-93-3 | 2-Butanone | 12 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 12 | U |
| 591-78-6 | 2-Hexanone | 12 | U |
| 127-18-4 | Tetrachloroethene | 6 | U |
| 108-88-3 | Toluene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 1330-20-7 | Xylene (total) | 6 | U |
| 108-90-7 | Chlorobenzene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 75-09-2 | Methylene Chloride | 6 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U |



000061-C
Revised 10/10/95
JWW

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

264001

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269907

Sample wt/vol: 5.0 (g/mL) G Lab File ID: K269907I2V

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 14 Date Analyzed: 09/11/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |

FORM I VOA 000061-D 3/90

Revised 10/6/95
JWM

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

264003

Lab Name: ITS_AQUATEC_LABORATORIES_ Contract: 95211_____

Lab Code: AQUAI_ Case No.: KWFLA_ SAS No.: _____ SDG No.: 53520_

Matrix (soil/water): SOIL_ Lab Sample ID: 269909

Level (low/med): LOW__ Date Received: 09/02/95

% Solids: _85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum_ | 346 | | | P |
| 7440-36-0 | Antimony_ | 0.28 | B | | P |
| 7440-38-2 | Arsenic__ | 0.68 | B | | P |
| 7440-39-3 | Barium___ | 7.3 | B | | P |
| 7440-41-7 | Beryllium | 0.08 | B | | P |
| 7440-43-9 | Cadmium__ | 0.31 | B | N | P |
| 7440-70-2 | Calcium__ | 379000 | | | P |
| 7440-47-3 | Chromium_ | 2.7 | | | P |
| 7440-48-4 | Cobalt___ | 0.09 | U | | P |
| 7440-50-8 | Copper___ | 3.5 | | | P |
| 7439-89-6 | Iron_____ | 220 | | E | P |
| 7439-92-1 | Lead_____ | 0.18 | U | N | P |
| 7439-95-4 | Magnesium | 1040 | | E | P |
| 7439-96-5 | Manganese | 5.4 | | EN | P |
| 7439-97-6 | Mercury__ | 0.04 | U | | CV |
| 7440-02-0 | Nickel___ | 0.46 | B | N | P |
| 7440-09-7 | Potassium | 72.3 | B | | P |
| 7782-49-2 | Selenium_ | 0.33 | U | | P |
| 7440-22-4 | Silver___ | 0.16 | U | | P |
| 7440-23-5 | Sodium___ | 1340 | | | P |
| 7440-28-0 | Thallium_ | 0.38 | U | N | P |
| 7440-62-2 | Vanadium_ | 1.5 | B | | P |
| 7440-66-6 | Zinc_____ | 6.6 | | | P |
| | Cyanide__ | 0.50 | U | | AS |

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264004

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B269910S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/13/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 62-75-9 | N-Nitrosodimethylamine | 380 | U |
| 110-86-1 | Pyridine | 380 | U |
| 62-53-3 | Aniline | 380 | U |
| 108-95-2 | Phenol | 380 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 380 | U |
| 95-57-8 | 2-Chlorophenol | 380 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 380 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 380 | U |
| 100-51-6 | Benzyl Alcohol | 760 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 380 | U |
| 95-48-7 | 2-Methylphenol | 380 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 106-44-5 | 4-Methylphenol | 380 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 380 | U |
| 67-72-1 | Hexachloroethane | 380 | U |
| 98-95-3 | Nitrobenzene | 380 | U |
| 78-59-1 | Isophorone | 380 | U |
| 88-75-5 | 2-Nitrophenol | 380 | U |
| 105-67-9 | 2,4-Dimethylphenol | 380 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 380 | U |
| 65-85-0 | Benzoic Acid | 1800 | U |
| 120-83-2 | 2,4-Dichlorophenol | 380 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 380 | U |
| 91-20-3 | Naphthalene | 380 | U |
| 106-47-8 | 4-Chloroaniline | 760 | U |
| 87-68-3 | Hexachlorobutadiene | 380 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 760 | U |
| 91-57-6 | 2-Methylnaphthalene | 380 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 380 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 380 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1800 | U |
| 91-58-7 | 2-Chloronaphthalene | 380 | U |
| 88-74-4 | 2-Nitroaniline | 1800 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264004

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B269910S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/13/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 380 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 380 | U |
| 99-09-2 | 3-Nitroaniline | 1800 | U |
| 208-96-8 | Acenaphthylene | 380 | U |
| 83-32-9 | Acenaphthene | 380 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7 | 4-Nitrophenol | 1800 | U |
| 132-64-9 | Dibenzofuran | 380 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 380 | U |
| 84-66-2 | Diethylphthalate | 380 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 380 | U |
| 86-73-7 | Fluorene | 380 | U |
| 100-01-6 | 4-Nitroaniline | 1800 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1800 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 380 | U |
| 103-33-3 | Azobenzene | 380 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1 | Hexachlorobenzene | 380 | U |
| 87-86-5 | Pentachlorophenol | 1800 | U |
| 85-01-8 | Phenanthrene | 380 | U |
| 120-12-7 | Anthracene | 380 | U |
| 86-74-8 | Carbazole | 380 | U |
| 84-74-2 | Di-n-butylphthalate | 110 | J |
| 206-44-0 | Fluoranthene | 380 | U |
| 129-00-0 | Pyrene | 380 | U |
| 85-68-7 | Butylbenzylphthalate | 380 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 380 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 760 | U |
| 56-55-3 | Benzo(a)anthracene | 380 | U |
| 218-01-9 | Chrysene | 380 | U |
| 117-84-0 | Di-n-octylphthalate | 380 | U |
| 205-99-2 | Benzo(b)fluoranthene | 380 | U |
| 207-08-9 | Benzo(k)fluoranthene | 380 | U |

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264004

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B269910S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 50-32-8 | Benzo(a)pyrene | 380 | U |
| 53-70-3 | Dibenz(a,h)anthracene | 380 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 380 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 380 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

264004

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B269910S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/13/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 2-PENTANONE, 4-HYDROXY-4-MET | 4.93 | 14000 | NAJB |
| 2. | UNKNOWN SESQUITERPENE | 11.75 | 350 | J |
| 3. | UNKNOWN CYCLOALKANE | 11.80 | 160 | J |
| 4. | UNKNOWN SESQUITERPENE | 12.33 | 450 | J |
| 5. | UNKNOWN ALKANE | 12.40 | 170 | J |
| 6. | UNKNOWN SESQUITERPENE | 12.63 | 220 | J |
| 7. | UNKNOWN SESQUITERPENE | 12.72 | 630 | J |
| 8. | UNKNOWN ALIPHATIC | 14.58 | 180 | J |
| 9. | UNKNOWN HEXANEDIOATE | 19.88 | 320 | J |
| 10. | UNKNOWN ALKANE | 21.93 | 180 | J |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
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| 30. | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

264101

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269911

Sample wt/vol: 1.0 (g/mL) G Lab File ID: K269911DV

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 14 Date Analyzed: 09/11/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 58 | U |
| 74-83-9 | Bromomethane | 58 | U |
| 75-01-4 | Vinyl Chloride | 58 | U |
| 75-00-3 | Chloroethane | 58 | U |
| 67-64-1 | Acetone | 58 | U |
| 75-15-0 | Carbon Disulfide | 29 | U |
| 75-35-4 | 1,1-Dichloroethene | 29 | U |
| 75-34-3 | 1,1-Dichloroethane | 29 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 29 | U |
| 67-66-3 | Chloroform | 29 | U |
| 107-06-2 | 1,2-Dichloroethane | 29 | U |
| 78-93-3 | 2-Butanone | 58 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 29 | U |
| 56-23-5 | Carbon Tetrachloride | 29 | U |
| 75-27-4 | Bromodichloromethane | 29 | U |
| 78-87-5 | 1,2-Dichloropropane | 29 | U |
| 79-01-6 | Trichloroethene | 29 | U |
| 124-48-1 | Dibromochloromethane | 29 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 29 | U |
| 71-43-2 | Benzene | 29 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 29 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 58 | U |
| 591-78-6 | 2-Hexanone | 58 | U |
| 127-18-4 | Tetrachloroethene | 29 | U |
| 108-88-3 | Toluene | 29 | U |
| 100-41-4 | Ethylbenzene | 29 | U |
| 100-42-5 | Styrene | 29 | U |
| 1330-20-7 | Xylene (total) | 29 | U |
| 108-90-7 | Chlorobenzene | 29 | U |
| 75-25-2 | Bromoform | 29 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 29 | U |
| 75-09-2 | Methylene Chloride | 29 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 29 | U |



000061-E
Revised 10/10/95
JWM

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

264101

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269911

Sample wt/vol: 1.0 (g/mL) G Lab File ID: K269911DV

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 14 Date Analyzed: 09/11/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 29 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 29 | U |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

264103

Lab Name: ITS_AQUATEC_LABORATORIES_ Contract: 95211_____

Lab Code: AQUAI_ Case No.: KWFLA_ SAS No.: _____ SDG No.: 53520_

Matrix (soil/water): SOIL_ Lab Sample ID: 269913

Level (low/med): LOW__ Date Received: 09/02/95

% Solids: _86.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum_ | 253 | | | P |
| 7440-36-0 | Antimony_ | 0.20 | U | | P |
| 7440-38-2 | Arsenic__ | 0.28 | B | | P |
| 7440-39-3 | Barium___ | 5.9 | B | | P |
| 7440-41-7 | Beryllium | 0.07 | B | | P |
| 7440-43-9 | Cadmium__ | 0.02 | B | N | P |
| 7440-70-2 | Calcium__ | 373000 | | | P |
| 7440-47-3 | Chromium_ | 2.0 | | | P |
| 7440-48-4 | Cobalt___ | 0.07 | U | | P |
| 7440-50-8 | Copper___ | 0.48 | B | | P |
| 7439-89-6 | Iron_____ | 131 | | E | P |
| 7439-92-1 | Lead_____ | 0.14 | U | N | P |
| 7439-95-4 | Magnesium | 1060 | | E | P |
| 7439-96-5 | Manganese | 2.2 | | EN | P |
| 7439-97-6 | Mercury__ | 0.04 | U | | CV |
| 7440-02-0 | Nickel___ | 0.45 | B | N | P |
| 7440-09-7 | Potassium | 36.9 | B | | P |
| 7782-49-2 | Selenium_ | 0.25 | U | | P |
| 7440-22-4 | Silver___ | 0.13 | U | | P |
| 7440-23-5 | Sodium___ | 1070 | | | P |
| 7440-28-0 | Thallium_ | 0.29 | U | N | P |
| 7440-62-2 | Vanadium_ | 1.6 | B | | P |
| 7440-66-6 | Zinc_____ | 0.75 | B | | P |
| | Cyanide__ | 0.47 | U | | AS |

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264104

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269914

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B269914DS

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/13/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.4

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 62-75-9 | N-Nitrosodimethylamine | 760 | U |
| 110-86-1 | Pyridine | 760 | U |
| 62-53-3 | Aniline | 760 | U |
| 108-95-2 | Phenol | 760 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 760 | U |
| 95-57-8 | 2-Chlorophenol | 760 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 760 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 760 | U |
| 100-51-6 | Benzyl Alcohol | 1500 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 760 | U |
| 95-48-7 | 2-Methylphenol | 760 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 760 | U |
| 106-44-5 | 4-Methylphenol | 760 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 760 | U |
| 67-72-1 | Hexachloroethane | 760 | U |
| 98-95-3 | Nitrobenzene | 760 | U |
| 78-59-1 | Isophorone | 760 | U |
| 88-75-5 | 2-Nitrophenol | 760 | U |
| 105-67-9 | 2,4-Dimethylphenol | 760 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 760 | U |
| 65-85-0 | Benzoic Acid | 3700 | U |
| 120-83-2 | 2,4-Dichlorophenol | 760 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 760 | U |
| 91-20-3 | Naphthalene | 760 | U |
| 106-47-8 | 4-Chloroaniline | 1500 | U |
| 87-68-3 | Hexachlorobutadiene | 760 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1500 | U |
| 91-57-6 | 2-Methylnaphthalene | 760 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 760 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 760 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 3700 | U |
| 91-58-7 | 2-Chloronaphthalene | 760 | U |
| 88-74-4 | 2-Nitroaniline | 3700 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264104

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269914

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B269914DS

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/95

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.4

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 760 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 760 | U |
| 99-09-2 | 3-Nitroaniline | 3700 | U |
| 208-96-8 | Acenaphthylene | 760 | U |
| 83-32-9 | Acenaphthene | 760 | U |
| 51-28-5 | 2,4-Dinitrophenol | 3700 | U |
| 100-02-7 | 4-Nitrophenol | 3700 | U |
| 132-64-9 | Dibenzofuran | 760 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 760 | U |
| 84-66-2 | Diethylphthalate | 760 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 760 | U |
| 86-73-7 | Fluorene | 760 | U |
| 100-01-6 | 4-Nitroaniline | 3700 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 3700 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 760 | U |
| 103-33-3 | Azobenzene | 760 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 760 | U |
| 118-74-1 | Hexachlorobenzene | 760 | U |
| 87-86-5 | Pentachlorophenol | 3700 | U |
| 85-01-8 | Phenanthrene | 760 | U |
| 120-12-7 | Anthracene | 760 | U |
| 86-74-8 | Carbazole | 760 | U |
| 84-74-2 | Di-n-butylphthalate | 760 | U |
| 206-44-0 | Fluoranthene | 760 | U |
| 129-00-0 | Pyrene | 760 | U |
| 85-68-7 | Butylbenzylphthalate | 760 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 760 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1500 | U |
| 56-55-3 | Benzo(a)anthracene | 760 | U |
| 218-01-9 | Chrysene | 760 | U |
| 117-84-0 | Di-n-octylphthalate | 760 | U |
| 205-99-2 | Benzo(b)fluoranthene | 760 | U |
| 207-08-9 | Benzo(k)fluoranthene | 760 | U |

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264104

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269914

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B269914DS

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/13/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.4

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 50-32-8 | Benzo(a)pyrene | 760 | U |
| 53-70-3 | Dibenz(a,h)anthracene | 760 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 760 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 760 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

264104

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269914

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B269914DS

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/95

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.4

Number TICs found: 21 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 123-42-2 | 2-PENTANONE, 4-HYDROXY-4-MET | 4.88 | 23000 | NAJB |
| 2. | | UNKNOWN ALKANE | 10.40 | 840 | J |
| 3. | | UNKNOWN CYCLOALKANE | 10.63 | 430 | J |
| 4. | | UNKNOWN ALKANE | 11.53 | 2500 | J |
| 5. | | UNKNOWN SESQUITERPENE | 11.75 | 400 | J |
| 6. | | UNKNOWN ALIPHATICS | 11.82 | 820 | ZJ |
| 7. | | UNKNOWN ALIPHATICS | 11.95 | 460 | ZJ |
| 8. | | UNKNOWN SESQUITERPENE | 12.35 | 1200 | J |
| 9. | | UNKNOWN ALKANE | 12.42 | 3700 | J |
| 10. | | UNKNOWN SESQUITERPENE | 12.73 | 1300 | J |
| 11. | | UNKNOWN ALKANE | 12.78 | 950 | J |
| 12. | | UNKNOWN ALKANE W/ UNKNOWN | 13.30 | 690 | ZJ |
| 13. | 544-76-3 | HEXADECANE | 13.73 | 780 | NJ |
| 14. | | UNKNOWN ALKANE | 14.18 | 1600 | J |
| 15. | 1921-70-6 | PENTADECANE, 2,6,10,14-TETRA | 14.68 | 4100 | NJ |
| 16. | 593-45-3 | OCTADECANE | 15.48 | 670 | NJ |
| 17. | 638-36-8 | HEXADECANE, 2,6,10,14-TETRAM | 15.57 | 1800 | NJ |
| 18. | 629-92-5 | NONADECANE | 16.30 | 780 | NJ |
| 19. | 112-95-8 | EICOSANE | 17.07 | 660 | NJ |
| 20. | 629-97-0 | DOCOSANE | 18.52 | 490 | NJ |
| 21. | | UNKNOWN HEXANEDIOATE | 19.90 | 760 | J |
| 22. | | | | | |
| 23. | | | | | |
| 24. | | | | | |
| 25. | | | | | |
| 26. | | | | | |
| 27. | | | | | |
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| 30. | | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

264201

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269915

Sample wt/vol: 5.0 (g/mL) G Lab File ID: K269915I3V

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 16 Date Analyzed: 09/12/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 12 | U |
| 74-83-9 | Bromomethane | 12 | U |
| 75-01-4 | Vinyl Chloride | 12 | U |
| 75-00-3 | Chloroethane | 12 | U |
| 67-64-1 | Acetone | 12 | U |
| 75-15-0 | Carbon Disulfide | 6 | U |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 6 | U |
| 67-66-3 | Chloroform | 6 | U |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 78-93-3 | 2-Butanone | 12 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 12 | U |
| 591-78-6 | 2-Hexanone | 12 | U |
| 127-18-4 | Tetrachloroethene | 6 | U |
| 108-88-3 | Toluene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 1330-20-7 | Xylene (total) | 6 | U |
| 108-90-7 | Chlorobenzene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 75-09-2 | Methylene Chloride | 6 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

264201

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269915

Sample wt/vol: 5.0 (g/mL) G Lab File ID: K269915I3V

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 16 Date Analyzed: 09/12/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

264203

Lab Name: ITS_AQUATEC_LABORATORIES_ Contract: 95211_____

Lab Code: AQUAI_ Case No.: KWFLA_ SAS No.: _____ SDG No.: 53520_

Matrix (soil/water): SOIL_ Lab Sample ID: 269917

Level (low/med): LOW__ Date Received: 09/02/95

% Solids: _86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum_ | 202 | | | P_ |
| 7440-36-0 | Antimony_ | 0.22 | U | | P_ |
| 7440-38-2 | Arsenic__ | 0.19 | U | | P_ |
| 7440-39-3 | Barium___ | 5.3 | B | | P_ |
| 7440-41-7 | Beryllium | 0.07 | B | | P_ |
| 7440-43-9 | Cadmium__ | 0.04 | B | N | P_ |
| 7440-70-2 | Calcium__ | 369000 | | | P_ |
| 7440-47-3 | Chromium_ | 2.0 | | | P_ |
| 7440-48-4 | Cobalt___ | 0.07 | U | | P_ |
| 7440-50-8 | Copper___ | 0.36 | B | | P_ |
| 7439-89-6 | Iron____ | 112 | | E | P_ |
| 7439-92-1 | Lead____ | 0.16 | U | N | P_ |
| 7439-95-4 | Magnesium | 984 | | E | P_ |
| 7439-96-5 | Manganese | 2.5 | | EN | P_ |
| 7439-97-6 | Mercury__ | 0.04 | U | | CV |
| 7440-02-0 | Nickel___ | 0.41 | B | N | P_ |
| 7440-09-7 | Potassium | 64.7 | B | | P_ |
| 7782-49-2 | Selenium_ | 0.28 | U | | P_ |
| 7440-22-4 | Silver___ | 0.14 | U | | P_ |
| 7440-23-5 | Sodium___ | 1200 | | | P_ |
| 7440-28-0 | Thallium_ | 0.32 | U | N | P_ |
| 7440-62-2 | Vanadium_ | 1.5 | B | | P_ |
| 7440-66-6 | Zinc____ | 0.92 | B | | P_ |
| | Cyanide__ | 0.45 | U | | AS |

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264204

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269918

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B269918S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 62-75-9 | N-Nitrosodimethylamine | 380 | U |
| 110-86-1 | Pyridine | 380 | U |
| 62-53-3 | Aniline | 380 | U |
| 108-95-2 | Phenol | 380 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 380 | U |
| 95-57-8 | 2-Chlorophenol | 380 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 380 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 380 | U |
| 100-51-6 | Benzyl Alcohol | 770 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 380 | U |
| 95-48-7 | 2-Methylphenol | 380 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 106-44-5 | 4-Methylphenol | 380 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 380 | U |
| 67-72-1 | Hexachloroethane | 380 | U |
| 98-95-3 | Nitrobenzene | 380 | U |
| 78-59-1 | Isophorone | 380 | U |
| 88-75-5 | 2-Nitrophenol | 380 | U |
| 105-67-9 | 2,4-Dimethylphenol | 380 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 380 | U |
| 65-85-0 | Benzoic Acid | 1900 | U |
| 120-83-2 | 2,4-Dichlorophenol | 380 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 380 | U |
| 91-20-3 | Naphthalene | 380 | U |
| 106-47-8 | 4-Chloroaniline | 770 | U |
| 87-68-3 | Hexachlorobutadiene | 380 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 770 | U |
| 91-57-6 | 2-Methylnaphthalene | 380 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 380 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 380 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1900 | U |
| 91-58-7 | 2-Chloronaphthalene | 380 | U |
| 88-74-4 | 2-Nitroaniline | 1900 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264204

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269918

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B269918S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 380 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 380 | U |
| 99-09-2 | 3-Nitroaniline | 1900 | U |
| 208-96-8 | Acenaphthylene | 380 | U |
| 83-32-9 | Acenaphthene | 380 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1900 | U |
| 100-02-7 | 4-Nitrophenol | 1900 | U |
| 132-64-9 | Dibenzofuran | 380 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 380 | U |
| 84-66-2 | Diethylphthalate | 380 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 380 | U |
| 86-73-7 | Fluorene | 380 | U |
| 100-01-6 | 4-Nitroaniline | 1900 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1900 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 380 | U |
| 103-33-3 | Azobenzene | 380 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1 | Hexachlorobenzene | 380 | U |
| 87-86-5 | Pentachlorophenol | 1900 | U |
| 85-01-8 | Phenanthrene | 380 | U |
| 120-12-7 | Anthracene | 380 | U |
| 86-74-8 | Carbazole | 380 | U |
| 84-74-2 | Di-n-butylphthalate | 91 | J |
| 206-44-0 | Fluoranthene | 380 | U |
| 129-00-0 | Pyrene | 380 | U |
| 85-68-7 | Butylbenzylphthalate | 380 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 380 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 770 | U |
| 56-55-3 | Benzo(a)anthracene | 380 | U |
| 218-01-9 | Chrysene | 380 | U |
| 117-84-0 | Di-n-octylphthalate | 380 | U |
| 205-99-2 | Benzo(b)fluoranthene | 380 | U |
| 207-08-9 | Benzo(k)fluoranthene | 380 | U |

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264204

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269918

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B269918S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 50-32-8 | Benzo(a)pyrene | 380 | U |
| 53-70-3 | Dibenz(a,h)anthracene | 380 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 380 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 380 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

264204

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269918

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B269918S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/13/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 2-PENTANONE, 4-HYDROXY-4-MET | 4.93 | 12000 | NAJB |
| 2. | UNKNOWN | 9.50 | 200 | J |
| 3. | UNKNOWN ALKANE | 10.68 | 200 | J |
| 4. | UNKNOWN ALKANE | 11.52 | 310 | J |
| 5. | UNKNOWN ALKANE | 11.75 | 330 | J |
| 6. | UNKNOWN ALKANE | 12.38 | 280 | J |
| 7. | UNKNOWN ALIPHATIC | 12.57 | 430 | J |
| 8. | UNKNOWN SESQUITERPENE W/UNKN | 12.70 | 470 | JZ |
| 9. | UNKNOWN ALKANE | 12.77 | 260 | J |
| 10. | UNKNOWN ALIPHATIC | 14.58 | 160 | J |
| 11. | UNKNOWN HEXANEDIOATE | 19.88 | 280 | J |
| 12. | UNKNOWN | 24.78 | 200 | J |
| 13. | UNKNOWN | 25.53 | 320 | J |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

264301

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269919

Sample wt/vol: 5.0 (g/mL) G Lab File ID: K269919V

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 13 Date Analyzed: 09/11/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 11 | U |
| 74-83-9 | Bromomethane | 11 | U |
| 75-01-4 | Vinyl Chloride | 11 | U |
| 75-00-3 | Chloroethane | 11 | U |
| 67-64-1 | Acetone | 11 | U |
| 75-15-0 | Carbon Disulfide | 6 | U |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 6 | U |
| 67-66-3 | Chloroform | 6 | U |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 78-93-3 | 2-Butanone | 11 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 11 | U |
| 591-78-6 | 2-Hexanone | 11 | U |
| 127-18-4 | Tetrachloroethene | 6 | U |
| 108-88-3 | Toluene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 1330-20-7 | Xylene (total) | 6 | U |
| 108-90-7 | Chlorobenzene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 75-09-2 | Methylene Chloride | 6 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

264301

Lab Name: AQUATEC INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269919

Sample wt/vol: 5.0 (g/mL) G Lab File ID: K269919V

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: not dec. 13 Date Analyzed: 09/11/95

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |



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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

264303

Lab Name: ITS_AQUATEC_LABORATORIES_ Contract: 95211_____

Lab Code: AQUAI_ Case No.: KWFLA_ SAS No.: _____ SDG No.: 53520_

Matrix (soil/water): SOIL_ Lab Sample ID: 269921

Level (low/med): LOW__ Date Received: 09/02/95

% Solids: _86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 224 | | | P |
| 7440-36-0 | Antimony | 0.29 | B | | P |
| 7440-38-2 | Arsenic | 0.44 | B | | P |
| 7440-39-3 | Barium | 6.4 | B | | P |
| 7440-41-7 | Beryllium | 0.10 | B | | P |
| 7440-43-9 | Cadmium | 0.05 | B | N | P |
| 7440-70-2 | Calcium | 374000 | | | P |
| 7440-47-3 | Chromium | 2.1 | | | P |
| 7440-48-4 | Cobalt | 0.14 | B | | P |
| 7440-50-8 | Copper | 0.45 | B | | P |
| 7439-89-6 | Iron | 147 | | E | P |
| 7439-92-1 | Lead | 0.18 | U | N | P |
| 7439-95-4 | Magnesium | 999 | | E | P |
| 7439-96-5 | Manganese | 2.6 | | EN | P |
| 7439-97-6 | Mercury | 0.03 | U | | CV |
| 7440-02-0 | Nickel | 0.45 | B | N | P |
| 7440-09-7 | Potassium | 33.6 | B | | P |
| 7782-49-2 | Selenium | 0.31 | U | | P |
| 7440-22-4 | Silver | 0.16 | U | | P |
| 7440-23-5 | Sodium | 1110 | | | P |
| 7440-28-0 | Thallium | 0.36 | U | N | P |
| 7440-62-2 | Vanadium | 1.6 | B | | P |
| 7440-66-6 | Zinc | 0.67 | B | | P |
| | Cyanide | 0.70 | U | | AS |

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264304

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269922

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B269922D2S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/95

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.3

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 62-75-9 | N-Nitrosodimethylamine | 760 | U |
| 110-86-1 | Pyridine | 760 | U |
| 62-53-3 | Aniline | 760 | U |
| 108-95-2 | Phenol | 760 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 760 | U |
| 95-57-8 | 2-Chlorophenol | 760 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 760 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 760 | U |
| 100-51-6 | Benzyl Alcohol | 1500 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 760 | U |
| 95-48-7 | 2-Methylphenol | 760 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 760 | U |
| 106-44-5 | 4-Methylphenol | 760 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 760 | U |
| 67-72-1 | Hexachloroethane | 760 | U |
| 98-95-3 | Nitrobenzene | 760 | U |
| 78-59-1 | Isophorone | 760 | U |
| 88-75-5 | 2-Nitrophenol | 760 | U |
| 105-67-9 | 2,4-Dimethylphenol | 760 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 760 | U |
| 65-85-0 | Benzoic Acid | 3700 | U |
| 120-83-2 | 2,4-Dichlorophenol | 760 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 760 | U |
| 91-20-3 | Naphthalene | 760 | U |
| 106-47-8 | 4-Chloroaniline | 1500 | U |
| 87-68-3 | Hexachlorobutadiene | 760 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1500 | U |
| 91-57-6 | 2-Methylnaphthalene | 760 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 760 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 760 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 3700 | U |
| 91-58-7 | 2-Chloronaphthalene | 760 | U |
| 88-74-4 | 2-Nitroaniline | 3700 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264304

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269922

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B269922D2S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/95

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.3

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 760 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 760 | U |
| 99-09-2 | 3-Nitroaniline | 3700 | U |
| 208-96-8 | Acenaphthylene | 760 | U |
| 83-32-9 | Acenaphthene | 760 | U |
| 51-28-5 | 2,4-Dinitrophenol | 3700 | U |
| 100-02-7 | 4-Nitrophenol | 3700 | U |
| 132-64-9 | Dibenzofuran | 760 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 760 | U |
| 84-66-2 | Diethylphthalate | 760 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 760 | U |
| 86-73-7 | Fluorene | 760 | U |
| 100-01-6 | 4-Nitroaniline | 3700 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 3700 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 760 | U |
| 103-33-3 | Azobenzene | 760 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 760 | U |
| 118-74-1 | Hexachlorobenzene | 760 | U |
| 87-86-5 | Pentachlorophenol | 3700 | U |
| 85-01-8 | Phenanthrene | 760 | U |
| 120-12-7 | Anthracene | 760 | U |
| 86-74-8 | Carbazole | 760 | U |
| 84-74-2 | Di-n-butylphthalate | 760 | U |
| 206-44-0 | Fluoranthene | 760 | U |
| 129-00-0 | Pyrene | 760 | U |
| 85-68-7 | Butylbenzylphthalate | 760 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 760 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1500 | U |
| 56-55-3 | Benzo(a)anthracene | 760 | U |
| 218-01-9 | Chrysene | 760 | U |
| 117-84-0 | Di-n-octylphthalate | 760 | U |
| 205-99-2 | Benzo(b)fluoranthene | 760 | U |
| 207-08-9 | Benzo(k)fluoranthene | 760 | U |

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

264304

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269922

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B269922D2S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/95

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.3

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 50-32-8 | Benzo(a)pyrene | 760 | U |
| 53-70-3 | Dibenz(a,h)anthracene | 760 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 760 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 760 | U |

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

264304

Lab Name: AQUATEC, INC. Contract: 95211

Lab Code: AQUAI Case No.: KWFLA SAS No.: SDG No.: 53520

Matrix: (soil/water) SOIL Lab Sample ID: 269922

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B269922D2S

Level: (low/med) LOW Date Received: 09/02/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/07/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/95

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 21 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 2-PENTANONE, 4-HYDROXY-4-MET | 4.88 | 46000 | NAJB |
| 2. | UNKNOWN ALKANE | 10.42 | 1800 | J |
| 3. | UNKNOWN ALKANE | 11.55 | 5800 | J |
| 4. 629-59-4 | TETRADECANE | 11.80 | 2000 | NJ |
| 5. | UNKNOWN ALIPHATIC | 11.83 | 1000 | J |
| 6. | UNKNOWN | 11.97 | 1300 | J |
| 7. | UNKNOWN SESQUITERPENE | 12.37 | 2900 | J |
| 8. | UNKNOWN ALKANE | 12.43 | 8900 | J |
| 9. | UNKNOWN ALKANE | 12.63 | 920 | J |
| 10. | UNKNOWN SESQUITERPENE | 12.75 | 3200 | J |
| 11. 629-62-9 | PENTADECANE | 12.80 | 3100 | NJ |
| 12. | UNKNOWN ALKANE W/ UNKNOWN | 13.32 | 1500 | ZJ |
| 13. | UNKNOWN ALKANE | 14.20 | 3800 | J |
| 14. 629-78-7 | HEPTADECANE | 14.65 | 1800 | NJ |
| 15. 1921-70-6 | PENTADECANE, 2,6,10,14-TETRA | 14.70 | 9400 | NJ |
| 16. 593-45-3 | OCTADECANE | 15.50 | 1800 | NJ |
| 17. 638-36-8 | HEXADECANE, 2,6,10,14-TETRAM | 15.58 | 3700 | NJ |
| 18. 544-76-3 | HEXADECANE | 13.75 | 2500 | NJ |
| 19. 629-92-5 | NONADECANE | 16.32 | 1800 | NJ |
| 20. 112-95-8 | EICOSANE | 17.08 | 1300 | NJ |
| 21. | UNKNOWN HEXADIOATE | 19.90 | 1300 | J |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
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| 30. | | | | |

PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Mr. Randall Veal
ge 6

September 07, 1995
PACE Project Number: 250801513

Client Reference: Key West Naval Air Station

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0664133 | |
| Date Collected: | | | 08/04/95 | |
| Time Collected: | | | 17:30 | |
| Date Received: | | | 08/07/95 | |
| Client Sample ID: | | | SWMV NO3 | |
| Parameter | Units | PRL | LEACHATE (1) | DATE ANALYZED |
| INORGANIC ANALYSIS | | | | |
| TCLP METALS | | | | |
| Arsenic - TCLP | mg/L | 0.5 | ND | 08/14/95 |
| Barium - TCLP | mg/L | 0.3 | 1.4 | 08/14/95 |
| Cadmium - TCLP | mg/L | 0.01 | 0.50 | 08/14/95 |
| Chromium - TCLP | mg/L | 0.05 | ND | 08/14/95 |
| Lead - TCLP | mg/L | 0.1 | 0.3 | 08/14/95 |
| Mercury - TCLP | ug/L | 20 | ND | 08/11/95 |
| Selenium - TCLP | mg/L | 0.5 | ND | 08/14/95 |
| Silver - TCLP | mg/L | 0.02 | ND | 08/14/95 |
| Date Digested - Mercury | | | ND | 08/10/95 |



5460 Beaumont Center Blvd.
Tampa, FL 33634
TEL: 813-884-8268
FAX: 813-888-6382

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pace INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Associated Environmental Servies, Inc.
11 West 25th Street
Chattanooga, TN 37408-2802

September 07, 1995
PACE Project Number: 250801513

Attn: Mr. Randall Veal

Client Reference: Key West Naval Air Station

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0664109 | |
| Date Collected: | | | 08/04/95 | |
| Time Collected: | | | 17:30 | |
| Date Received: | | | 08/07/95 | |
| | | | SWMV NO3 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 9073 - TRPH | | | | |
| Date Extracted | | | 08/11/95 | |
| TRPH - 9073 | mg/kg | 5 | 1100 | 08/14/95 |
| BTEX - 8020 VOLATILE AROMATICS | | | | |
| Surrogate Recovery - 8020 | % | | 100 | 08/10/95 |
| Benzene | ug/kg | 5.0 | ND | 08/10/95 |
| Toluene | ug/kg | 5.0 | ND | 08/10/95 |
| Ethylbenzene | ug/kg | 5.0 | ND | 08/10/95 |
| Xylenes, Total | ug/kg | 5.0 | ND | 08/10/95 |
| Total VOA | ug/kg | 5.0 | ND | 08/10/95 |

**IR-3**
**Confirmation Sample ID / Location**
**Cross Reference Index**

| Sample ID | Station ID | Depth | Parameters | Comments |
|---|---|---|---|---|
| 2740 | Hose Outlet | na | DDT, Arsenic and Lead | Water Sample Collected after Water Line Break |
| 2741 | Hose Outlet | na | DDT, Arsenic and Lead | Water Sample Collected after Water Line Break |
| 2742 | Curbside at Fort Street | na | DDT, Arsenic and Lead | Water Sample Collected after Water Line Break |
| 2743 | Curbside at Fort Street | na | DDT, Arsenic and Lead | Water Sample Collected after Water Line Break |
| 2744 | J11 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2745 | J12 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2746 | D11 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2747 | C12 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2748 | C13 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2749 | H10 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2750 | G10 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2751 | E10 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2752 | H13 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2753 | H13 | 0-6" | Pesticides, TAL Metals, Cyanide | Duplicate of 2752 |
| 2754 | F13 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| 2755 | D13 | 0-6" | Pesticides, TAL Metals, Cyanide | |
| | | | | |

# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

| | |
|---|---|
| Sample ID | : KW02740 PTW |
| Lab ID | : 9509239-01 |
| Matrix | : PTW |
| Date Collected | : 09/12/95 |
| Date Received | : 09/13/95 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | J | 11.0 | 10 | 20 | ug/l | 1.0 | JLS | 09/13/95 | 1334 | 72596 | 1 | N |
| **:tals Analysis** | | | | | | | | | | | | |
| Arsenic | B | 8.3 | 1.9 | 10 | ug/l | 1.0 | WCC | 09/13/95 | 1418 | 72562 | 2 | N |
| Lead | | 102 | 1.2 | 5 | ug/l | 1.0 | | | | | | |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JLS | 09/13/95 | 1100 | 72596 | 3 |
| TRACE | FGD | 09/13/95 | 1200 | 72562 | 4 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 6010A |
| M 3 | EPA 3500/3520 |
| M 4 | EPA 3005 |

Notes:
The qualifiers in this report are defined as follows:
J indicates presence of analyte between DL (Detect Limit) and RL (Report Limit)
U indicates presence of analyte < DL (Detect Limit)

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

Sample ID : KW02740 PTW
Lab ID : 9509239-05
Matrix : PTW
Date Collected : 09/12/95
Date Received : 09/13/95
Priority : Rush
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | XE | 0.1 | 0.05 | 0.1 | ug/l | 1.0 | JLS | 09/15/95 | 0116 | 72620 | 1 | 1 |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JHM | 09/14/95 | 1600 | 72620 | 2 |

| Surrogate Recovery | Test | Percent% | Acceptable Limits |
|---|---|---|---|
| 4CMX | 44DDT | 0.00* | (40.0 - 137.) |
| Dibutylchlorendate | 44DDT | 0.00* | (40.0 - 147.) |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 3500/3520 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9509239-05.02 | KW0274002 |

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| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

| | |
|---|---|
| Sample ID | : 9509239-05 DL1 KW02740 PTW |
| Lab ID | : 9509239-09 |
| Matrix | : PTW |
| Date Collected | : 09/12/95 |
| Date Received | : 09/13/95 |
| Priority | : Rush |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | DJP | 8.0 | 5.3 | 10 | ug/l | 100 | JLS | 09/16/95 | 1727 | 72620 | 1 | 1 |

**The following prep procedures were performed:**

| | | | | | | |
|---|---|---|---|---|---|---|
| Pesticides | JHM | 09/14/95 | 1600 | 72620 | 2 | |

| Surrogate Recovery | Test | Percent% | Acceptable Limits |
|---|---|---|---|
| 4CMX | 44DDT | 0.00* | (40.0 - 137.) |
| Dibutylchlorendate | 44DDT | 0.00* | (40.0 - 147.) |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 3500/3520 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9509239-09.01 | |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

| | |
|---|---|
| Sample ID | : KW02741 PTW |
| Lab ID | : 9509239-02 |
| Matrix | : PTW |
| Date Collected | : 09/12/95 |
| Date Received | : 09/13/95 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | J | 6.3 | 10 | 20 | ug/l | 1.0 | JLS | 09/13/95 | 1413 | 72596 | 1 | N |
| **Metals Analysis** | | | | | | | | | | | | |
| Arsenic | B | 6.8 | 1.9 | 10 | ug/l | 1.0 | WCC | 09/13/95 | 1424 | 72562 | 2 | N |
| Lead | | 96.3 | 1.2 | 5 | ug/l | 1.0 | | | | | | |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JLS | 09/13/95 | 1100 | 72596 | 3 |
| TRACE | FGD | 09/13/95 | 1200 | 72562 | 4 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 6010A |
| M 3 | EPA 3500/3520 |
| M 4 | EPA 3005 |

Notes:
The qualifiers in this report are defined as follows:
J indicates presence of analyte between DL (Detect Limit) and RL (Report Limit)
U indicates presence of analyte < DL (Detect Limit)

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

Sample ID : KW02741 PTW
Lab ID : 9509239-06
Matrix : PTW
Date Collected : 09/12/95
Date Received : 09/13/95
Priority : Rush
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | XE | 0.1 | 0.05 | 0.10 | ug/l | 1.0 | JLS | 09/15/95 | 0156 | 72620 | 1 | 1 |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JHM | 09/14/95 | 1600 | 72620 | 2 |

| Surrogate Recovery | Test | Percent% | Acceptable Limits |
|---|---|---|---|
| 4CMX | 44DDT | 0.00* | (40.0 - 137.) |
| Dibutylchlorendate | 44DDT | 0.00* | (40.0 - 147.) |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 3500/3520 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9509239-06.02 | KW0274102 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

| | |
|---|---|
| Sample ID | : 9509239-06 DL1 KW02741 PTW |
| Lab ID | : 9509239-10 |
| Matrix | : PTW |
| Date Collected | : 09/12/95 |
| Date Received | : 09/13/95 |
| Priority | : Rush |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | DJP | 6.3 | 5.3 | 10 | ug/l | 100 | JLS | 09/16/95 | 1906 | 72620 | 1 | 1 |

**The following prep procedures were performed:**

| | | | | | | |
|---|---|---|---|---|---|---|
| Pesticides | JHM | 09/14/95 | 1600 | 72620 | 2 | |

| Surrogate Recovery | Test | Percent% | Acceptable Limits |
|---|---|---|---|
| 4CMX | 44DDT | 0.00* | (40.0 - 137.) |
| Dibutylchlorendate | 44DDT | 0.00* | (40.0 - 147.) |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 3500/3520 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9509239-10.01 | |



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**Laboratory Certifications**

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| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

Sample ID : KW02742 SPW
Lab ID : 9509239-03
Matrix : SPW
Date Collected : 09/12/95
Date Received : 09/13/95
Priority : Urgent
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | J | 16.0 | 10 | 20 | ug/l | 1.0 | JLS | 09/13/95 | 1452 | 72596 | 1 | N |
| **tals Analysis** | | | | | | | | | | | | |
| Arsenic | | 52.0 | 1.9 | 10 | ug/l | 1.0 | WCC | 09/13/95 | 1429 | 72562 | 2 | N |
| Lead | | 285 | 1.2 | 5 | ug/l | 1.0 | | | | | | |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JLS | 09/13/95 | 1100 | 72596 | 3 |
| TRACE | FGD | 09/13/95 | 1200 | 72562 | 4 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 6010A |
| M 3 | EPA 3500/3520 |
| M 4 | EPA 3005 |

Notes:
The qualifiers in this report are defined as follows:
J indicates presence of analyte between DL (Detect Limit) and RL (Report Limit)
U indicates presence of analyte < DL (Detect Limit)



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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
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| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

| | |
|---|---|
| Sample ID | : KW02742 SPW |
| Lab ID | : 9509239-07 |
| Matrix | : SPW |
| Date Collected | : 09/12/95 |
| Date Received | : 09/13/95 |
| Priority | : Rush |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | XE | 0.1 | .05 | 0.1 | ug/l | 1.0 | JLS | 09/15/95 | 0236 | 72620 | 1 | 1 |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JHM | 09/14/95 | 1600 | 72620 | 2 |

| Surrogate Recovery | Test | Percent% | Acceptable Limits |
|---|---|---|---|
| 4CMX | 44DDT | 0.00* | (40.0 - 137.) |
| Dibutylchlorendate | 44DDT | 0.00* | (40.0 - 147.) |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 3500/3520 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9509239-07.01 | KW0274201 |



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| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

Sample ID : 9509239-07 DL1 KW02742 SPW
Lab ID : 9509239-11
Matrix : SPW
Date Collected : 09/12/95
Date Received : 09/13/95
Priority : Rush
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | D | 26.0 | 5.3 | 10 | ug/l | 100 | JLS | 09/16/95 | 1845 | 72620 | 1 | 1 |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JHM | 09/14/95 | 1600 | 72620 | 2 |

| Surrogate Recovery | Test | Percent% | Acceptable Limits |
|---|---|---|---|
| 4CMX | 44DDT | 0.00* | (40.0 - 137.) |
| Dibutylchlorendate | 44DDT | 0.00* | (40.0 - 147.) |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 3500/3520 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9509239-11.01 | |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

| | |
|---|---|
| Sample ID | : KW02743 SPW |
| Lab ID | : 9509239-04 |
| Matrix | : SPW |
| Date Collected | : 09/12/95 |
| Date Received | : 09/13/95 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | | 22.0 | 10 | 20 | ug/l | 1.0 | JLS | 09/13/95 | 1531 | 72596 | 1 | N |
| **Metals Analysis** | | | | | | | | | | | | |
| Arsenic | | 53.9 | 1.9 | 10 | ug/l | 1.0 | WCC | 09/13/95 | 1434 | 72562 | 2 | N |
| Lead | | 320 | 1.2 | 5 | ug/l | 1.0 | | | | | | |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JLS | 09/13/95 | 1100 | 72596 | 3 |
| TRACE | FGD | 09/13/95 | 1200 | 72562 | 4 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 6010A |
| M 3 | EPA 3500/3520 |
| M 4 | EPA 3005 |

Notes:
The qualifiers in this report are defined as follows:
J indicates presence of analyte between DL (Detect Limit) and RL (Report Limit)
U indicates presence of analyte < DL (Detect Limit)

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

| | |
|---|---|
| Sample ID | : KW02743 SPW |
| Lab ID | : 9509239-08 |
| Matrix | : SPW |
| Date Collected | : 09/12/95 |
| Date Received | : 09/13/95 |
| Priority | : Rush |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | XE | 0.1 | 0.05 | 0.1 | ug/l | 1.0 | JLS | 09/15/95 | 0316 | 72620 | 1 | 1 |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JHM | 09/14/95 | 1600 | 72620 | 2 |

| Surrogate Recovery | Test | Percent% | Acceptable Limits |
|---|---|---|---|
| 4CMX | 44DDT | 0.00* | (40.0 - 137.) |
| Dibutylchlorendate | 44DDT | 0.00* | (40.0 - 147.) |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 3500/3520 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9509239-08.01 | KW0274301 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 11, 1995 

| | |
|---|---|
| Sample ID | : 9509239-08 DL1 KW02743 SPW |
| Lab ID | : 9509239-12 |
| Matrix | : SPW |
| Date Collected | : 09/12/95 |
| Date Received | : 09/13/95 |
| Priority | : Rush |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Organics** | | | | | | | | | | | | |
| 4,4'-DDT | D | 26.0 | 5.3 | 10 | ug/l | 100 | JLS | 09/16/95 | 1925 | 72620 | 1 | 1 |

**The following prep procedures were performed:**

| | | | | | |
|---|---|---|---|---|---|
| Pesticides | JHM | 09/14/95 | 1600 | 72620 | 2 |

| Surrogate Recovery | Test | Percent% | Acceptable Limits |
|---|---|---|---|
| 4CMX | 44DDT | 0.00* | (40.0 - 137.) |
| Dibutylchlorendate | 44DDT | 0.00* | (40.0 - 147.) |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 8080 |
| M 2 | EPA 3500/3520 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9509239-12.01 | |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : 9509529-01 DL1 KW02744 SFS
Lab ID : 9509529-15
Matrix : SFS
Date Collected : 09/22/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 17 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **ractable Organics** | | | | | | | | | | | | |
| *arget Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | JDP | 180 | 210 | 400 | ug/kg | 100 | JEB | 10/08/95 | 0522 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 1300 | 110 | 200 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | D | 790 | 210 | 400 | ug/kg | 100 | | | | | | |
| Aldrin | U | 100 | 51 | 100 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 400 | 210 | 400 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 400 | 210 | 400 | ug/kg | 100 | | | | | | |
| Endrin | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 400 | 210 | 400 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 2000 | 1100 | 2000 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 4000 | 2100 | 4000 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 100 | 51 | 100 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 100 | 51 | 100 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 342000 | 24.1 | 120 | mg/kg | 10. | WCC | 10/04/95 | 1549 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| yanide, Total | B | 0.32 | 0.20 | 1.1 | mg/kg | 1.0 | JBG | 10/06/95 | 1846 | 73861 | 4 | 3 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02744 SFS
Lab ID : 9509529-01
Matrix : SFS
Date Collected : 09/22/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 17 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **Metals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.09 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1304 | 73357 | 2 | 2 |
| Silver | U | 0.30 | 0.30 | 1.2 | mg/kg | 1.0 | NRM | 10/03/95 | 2252 | 73479 | 3 | 1 |
| Aluminum | | 1030 | 1.5 | 6 | mg/kg | 1.0 | | | | | | |
| Arsenic | | 1.5 | 0.30 | 1.2 | mg/kg | 1.0 | | | | | | |
| Barium | | 17.0 | 0.01 | 1.2 | mg/kg | 1.0 | | | | | | |
| Beryllium | B | 0.01 | 0.01 | 0.60 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 234000 | 2.5 | 12 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.20 | 0.02 | 0.60 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.29 | 0.03 | 1.2 | mg/kg | 1.0 | | | | | | |
| Chromium | | 4.7 | 0.08 | 1.2 | mg/kg | 1.0 | | | | | | |
| Copper | | 13.3 | 0.07 | 1.2 | mg/kg | 1.0 | | | | | | |
| Iron | | 2040 | 1.3 | 6 | mg/kg | 1.0 | | | | | | |
| Potassium | | 123 | 0.80 | 12 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 1840 | 0.30 | 1.2 | mg/kg | 1.0 | | | | | | |
| Manganese | | 21.1 | 0.02 | 1.2 | mg/kg | 1.0 | | | | | | |
| Sodium | | 1150 | 1.9 | 12 | mg/kg | 1.0 | | | | | | |
| Nickel | | 1.7 | 0.10 | 1.2 | mg/kg | 1.0 | | | | | | |
| Lead | | 34.2 | 0.20 | 0.60 | mg/kg | 1.0 | | | | | | |
| Antimony | B | 0.19 | 0.20 | 1.2 | mg/kg | 1.0 | | | | | | |
| Selenium | U | 0.18 | 0.18 | 0.60 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.25 | 0.25 | 1.2 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 4.1 | 0.03 | 1.2 | mg/kg | 1.0 | | | | | | |
| Zinc | | 53.8 | 0.40 | 2.4 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | X | 2.3 | 0.09 | 0.60 | mg/kg | 1.0 | JBG | 10/03/95 | 1516 | 73319 | 4 | 1 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : 9509529-02 DL1 KW02745 SFS
Lab ID : 9509529-14
Matrix : SFS
Date Collected : 09/22/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 19 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **ractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | PD | 730 | 210 | 410 | ug/kg | 100 | JEB | 10/08/95 | 0602 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 1100 | 110 | 200 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | EPD | 7100 | 210 | 410 | ug/kg | 100 | | | | | | |
| Aldrin | U | 100 | 52 | 100 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 210 | 110 | 210 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 210 | 110 | 210 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 410 | 210 | 410 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 410 | 210 | 410 | ug/kg | 100 | | | | | | |
| Endrin | U | 210 | 110 | 210 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 410 | 210 | 410 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 210 | 110 | 210 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 210 | 110 | 210 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 2100 | 1100 | 2100 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 4100 | 2100 | 4100 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 100 | 52 | 100 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 210 | 110 | 210 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 210 | 110 | 210 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 210 | 110 | 210 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 100 | 52 | 100 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 210 | 110 | 210 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Mercury | D | 2.4 | 0.04 | 0.08 | mg/kg | 2.0 | PJM | 10/04/95 | 0841 | 73357 | 3 | N |
| Calcium | D | 339000 | 22.7 | 113 | mg/kg | 10. | WCC | 10/04/95 | 1555 | 73479 | 4 | 2 |
| **neral Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | | 2.2 | 0.20 | 1.2 | mg/kg | 1.0 | JBG | 10/06/95 | 1845 | 73861 | 5 | 3 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-02 DL2 KW02745 SFS |
| Lab ID | : 9509529-26 |
| Matrix | : SFS |
| Date Collected | : 09/22/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 19 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 74050 | 1 | N |
| **Extractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | U | 4100 | 2100 | 4100 | ug/kg | 1000 | JEB | 10/09/95 | 2147 | 73374 | 2 | 1 |
| 4,4'-DDE | JD | 1200 | 1100 | 2000 | ug/kg | 1000 | | | | | | |
| 4,4'-DDT | D | 8200 | 2100 | 4100 | ug/kg | 1000 | | | | | | |
| Aldrin | U | 1000 | 520 | 1000 | ug/kg | 1000 | | | | | | |
| Dieldrin | U | 2100 | 1100 | 2100 | ug/kg | 1000 | | | | | | |
| Endosulfan I | U | 2100 | 1100 | 2100 | ug/kg | 1000 | | | | | | |
| Endosulfan II | U | 4100 | 2100 | 4100 | ug/kg | 1000 | | | | | | |
| Endosulfan sulfate | U | 4100 | 2100 | 4100 | ug/kg | 1000 | | | | | | |
| Endrin | U | 2100 | 1100 | 2100 | ug/kg | 1000 | | | | | | |
| Endrin ketone | U | 4100 | 2100 | 4100 | ug/kg | 1000 | | | | | | |
| Heptachlor | U | 2100 | 1100 | 2100 | ug/kg | 1000 | | | | | | |
| Heptachlor epoxide | U | 2100 | 1100 | 2100 | ug/kg | 1000 | | | | | | |
| Methoxychlor | U | 21000 | 11000 | 21000 | ug/kg | 1000 | | | | | | |
| Toxaphene | U | 41000 | 21000 | 41000 | ug/kg | 1000 | | | | | | |
| alpha-BHC | U | 1000 | 520 | 1000 | ug/kg | 1000 | | | | | | |
| alpha-Chlordane | U | 2100 | 1100 | 2100 | ug/kg | 1000 | | | | | | |
| beta-BHC | U | 2100 | 1100 | 2100 | ug/kg | 1000 | | | | | | |
| delta-BHC | U | 2100 | 1100 | 2100 | ug/kg | 1000 | | | | | | |
| gamma-BHC | U | 1000 | 520 | 1000 | ug/kg | 1000 | | | | | | |
| gamma-Chlordane | U | 2100 | 1100 | 2100 | ug/kg | 1000 | | | | | | |

**The following prep procedures were performed:**

Pesticides CPU 09/28/95 1430 73374 3

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02745 SFS
Lab ID : 9509529-02
Matrix : SFS
Date Collected : 09/22/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 19 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **etals Analysis** | | | | | | | | | | | | |
| Mercury | X | 2.4 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1306 | 73357 | 2 | 1 |
| Silver | B | 0.30 | 0.30 | 1.1 | mg/kg | 1.0 | NRM | 10/03/95 | 2257 | 73479 | 3 | 2 |
| Aluminum | | 1650 | 1.4 | 5.7 | mg/kg | 1.0 | | | | | | |
| Arsenic | | 2.8 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Barium | | 35.5 | 0.01 | 1.1 | mg/kg | 1.0 | | | | | | |
| Beryllium | B | 0.04 | 0.01 | 0.57 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 224000 | 2.3 | 11.3 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.37 | 0.02 | 0.57 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.56 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Chromium | | 6.3 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Copper | | 18.0 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Iron | | 2650 | 1.2 | 5.7 | mg/kg | 1.0 | | | | | | |
| Potassium | | 152 | 0.80 | 11.3 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 1770 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Manganese | | 54.7 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Sodium | | 1140 | 1.8 | 11.3 | mg/kg | 1.0 | | | | | | |
| Nickel | | 1.8 | 0.10 | 1.1 | mg/kg | 1.0 | | | | | | |
| Lead | | 197 | 0.20 | 0.57 | mg/kg | 1.0 | | | | | | |
| Antimony | | 3.3 | 0.20 | 1.1 | mg/kg | 1.0 | | | | | | |
| Selenium | B | 0.28 | 0.20 | 0.57 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.24 | 0.24 | 1.1 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 4.9 | 0.03 | 1.1 | mg/kg | 1.0 | | | | | | |
| Zinc | | 165 | 0.40 | 2.3 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.46 | 0.10 | 0.60 | mg/kg | 1.0 | JBG | 10/03/95 | 1517 | 73319 | 4 | 1 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-03 DL1 KW02746 SFS |
| Lab ID | : 9509529-16 |
| Matrix | : SFS |
| Date Collected | : 09/22/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 12 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **xtractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | JPD | 160 | 190 | 380 | ug/kg | 100 | JEB | 10/08/95 | 0641 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 1300 | 95 | 190 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | ED | 1700 | 190 | 380 | ug/kg | 100 | | | | | | |
| Aldrin | U | 95 | 48 | 95 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 380 | 190 | 380 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 380 | 190 | 380 | ug/kg | 100 | | | | | | |
| Endrin | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 380 | 190 | 380 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 1900 | 950 | 1900 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 3800 | 1900 | 3800 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 95 | 48 | 95 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 95 | 48 | 95 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 319000 | 22.3 | 111 | mg/kg | 10. | WCC | 10/04/95 | 1600 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.30 | 0.20 | 1.1 | mg/kg | 1.0 | JBG | 10/06/95 | 1847 | 73861 | 4 | 2 |

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# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-03 DL2 KW02746 SFS |
| Lab ID | : 9509529-28 |
| Matrix | : SFS |
| Date Collected | : 09/22/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 12 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 74050 | 1 | N |
| **Extractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | JDP | 140 | 380 | 760 | ug/kg | 200 | JEB | 10/09/95 | 2227 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 1100 | 190 | 380 | ug/kg | 200 | | | | | | |
| 4,4'-DDT | D | 1300 | 380 | 760 | ug/kg | 200 | | | | | | |
| Aldrin | U | 190 | 95 | 190 | ug/kg | 200 | | | | | | |
| Dieldrin | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Endosulfan I | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Endosulfan II | U | 760 | 380 | 760 | ug/kg | 200 | | | | | | |
| Endosulfan sulfate | U | 760 | 380 | 760 | ug/kg | 200 | | | | | | |
| Endrin | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Endrin ketone | U | 760 | 380 | 760 | ug/kg | 200 | | | | | | |
| Heptachlor | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Heptachlor epoxide | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Methoxychlor | U | 3800 | 1900 | 3800 | ug/kg | 200 | | | | | | |
| Toxaphene | U | 7600 | 3800 | 7600 | ug/kg | 200 | | | | | | |
| alpha-BHC | U | 190 | 95 | 190 | ug/kg | 200 | | | | | | |
| alpha-Chlordane | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| beta-BHC | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| delta-BHC | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| gamma-BHC | U | 190 | 95 | 190 | ug/kg | 200 | | | | | | |
| gamma-Chlordane | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |

**The following prep procedures were performed:**
Pesticides

CPU 09/28/95 1430 73374 3

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02746 SFS
Lab ID : 9509529-03
Matrix : SFS
Date Collected : 09/22/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 12 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **tals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.10 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1314 | 73357 | 2 | 1 |
| Silver | U | 0.28 | 0.28 | 1.1 | mg/kg | 1.0 | NRM | 10/03/95 | 2301 | 73479 | 3 | 1 |
| Aluminum | | 1110 | 1.4 | 5.6 | mg/kg | 1.0 | | | | | | |
| Arsenic | | 5.4 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Barium | | 34.4 | 0.01 | 1.1 | mg/kg | 1.0 | | | | | | |
| Beryllium | B | 0.02 | 0.01 | 0.56 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 210000 | 2.3 | 11.1 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.11 | 0.02 | 0.56 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.23 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Chromium | | 2.8 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Copper | | 7.6 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Iron | | 1080 | 1.2 | 5.6 | mg/kg | 1.0 | | | | | | |
| Potassium | | 134 | 0.80 | 11.1 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 3810 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Manganese | | 103 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Sodium | | 1250 | 1.8 | 11.1 | mg/kg | 1.0 | | | | | | |
| Nickel | B | 1.1 | 0.09 | 1.1 | mg/kg | 1.0 | | | | | | |
| Lead | | 34.8 | 0.20 | 0.56 | mg/kg | 1.0 | | | | | | |
| Antimony | B | 0.12 | 0.20 | 1.1 | mg/kg | 1.0 | | | | | | |
| Selenium | U | 0.17 | 0.17 | 0.56 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.23 | 0.23 | 1.1 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 3.7 | 0.03 | 1.1 | mg/kg | 1.0 | | | | | | |
| Zinc | | 35.6 | 0.40 | 2.2 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| vanide, Total | B | 0.19 | 0.09 | 0.54 | mg/kg | 1.0 | JBG | 10/03/95 | 1518 | 73319 | 4 | 1 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : 9509529-04 DL1 KW02747 SFS
Lab ID : 9509529-17
Matrix : SFS
Date Collected : 09/22/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 10 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **xtractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | U | 370 | 190 | 370 | ug/kg | 100 | JEB | 10/08/95 | 0720 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 1400 | 93 | 180 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | D | 1200 | 190 | 370 | ug/kg | 100 | | | | | | |
| Aldrin | U | 92 | 47 | 92 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 370 | 190 | 370 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 370 | 190 | 370 | ug/kg | 100 | | | | | | |
| Endrin | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 370 | 190 | 370 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 1800 | 930 | 1800 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 3700 | 1900 | 3700 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 92 | 47 | 92 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 92 | 47 | 92 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 351000 | 22.3 | 111 | mg/kg | 10. | WCC | 10/04/95 | 1606 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.36 | 0.20 | 1 | mg/kg | 1.0 | JBG | 10/06/95 | 1848 | 73861 | 4 | 2 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02747 SFS
Lab ID : 9509529-04
Matrix : SFS
Date Collected : 09/22/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 10 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **Metals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.07 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1316 | 73357 | 2 | 2 |
| Silver | U | 0.28 | 0.28 | 1.1 | mg/kg | 1.0 | NRM | 10/03/95 | 2306 | 73479 | 3 | 1 |
| Aluminum | | 456 | 1.4 | 5.6 | mg/kg | 1.0 | | | | | | |
| Arsenic | B | 1.0 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Barium | | 32.6 | 0.01 | 1.1 | mg/kg | 1.0 | | | | | | |
| Beryllium | U | 0.01 | 0.01 | 0.56 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 226000 | 2.3 | 11.1 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.10 | 0.02 | 0.56 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.26 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Chromium | | 2.9 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Copper | | 11.9 | 0.06 | 1.1 | mg/kg | 1.0 | | | | | | |
| Iron | | 851 | 1.2 | 5.6 | mg/kg | 1.0 | | | | | | |
| Potassium | | 70.1 | 0.80 | 11.1 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 2050 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Manganese | | 23.6 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Sodium | | 972 | 1.8 | 11.1 | mg/kg | 1.0 | | | | | | |
| Nickel | | 1.8 | 0.09 | 1.1 | mg/kg | 1.0 | | | | | | |
| Lead | | 59.7 | 0.20 | 0.56 | mg/kg | 1.0 | | | | | | |
| Antimony | B | 0.18 | 0.20 | 1.1 | mg/kg | 1.0 | | | | | | |
| Selenium | U | 0.17 | 0.17 | 0.56 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.23 | 0.23 | 1.1 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 3.3 | 0.03 | 1.1 | mg/kg | 1.0 | | | | | | |
| Zinc | | 52.0 | 0.30 | 2.2 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | U | 0.09 | 0.09 | 0.54 | mg/kg | 1.0 | JBG | 10/03/95 | 1519 | 73319 | 4 | 1 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-05 DL1 KW02748 SFS |
| Lab ID | : 9509529-18 |
| Matrix | : SFS |
| Date Collected | : 09/22/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 9.0 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **Extractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | U | 18 | 9.2 | 18 | ug/kg | 5.0 | JEB | 10/11/95 | 2301 | 73374 | 2 | 1 |
| 4,4'-DDE | JD | 4.6 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| 4,4'-DDT | JDP | 6.0 | 9.2 | 18 | ug/kg | 5.0 | | | | | | |
| Aldrin | U | 4.6 | 2.3 | 4.6 | ug/kg | 5.0 | | | | | | |
| Dieldrin | U | 9.2 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| Endosulfan I | U | 9.2 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| Endosulfan II | U | 18 | 9.2 | 18 | ug/kg | 5.0 | | | | | | |
| Endosulfan sulfate | U | 18 | 9.2 | 18 | ug/kg | 5.0 | | | | | | |
| Endrin | U | 9.2 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| Endrin ketone | U | 18 | 9.2 | 18 | ug/kg | 5.0 | | | | | | |
| Heptachlor | U | 9.2 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| Heptachlor epoxide | U | 9.2 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| Methoxychlor | U | 92 | 46 | 92 | ug/kg | 5.0 | | | | | | |
| Toxaphene | U | 180 | 92 | 180 | ug/kg | 5.0 | | | | | | |
| alpha-BHC | U | 4.6 | 2.3 | 4.6 | ug/kg | 5.0 | | | | | | |
| alpha-Chlordane | U | 9.2 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| beta-BHC | U | 9.2 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| delta-BHC | U | 9.2 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| gamma-BHC | U | 4.6 | 2.3 | 4.6 | ug/kg | 5.0 | | | | | | |
| gamma-Chlordane | U | 9.2 | 4.6 | 9.2 | ug/kg | 5.0 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 368000 | 20.8 | 104 | mg/kg | 10. | WCC | 10/04/95 | 1627 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.52 | 0.20 | 1 | mg/kg | 1.0 | JBG | 10/06/95 | 1849 | 73861 | 4 | 2 |

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# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02748 SFS
Lab ID : 9509529-05
Matrix : SFS
Date Collected : 09/22/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 9.0 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **Metals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.29 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1319 | 73357 | 2 | 2 |
| Silver | U | 0.26 | 0.26 | 1 | mg/kg | 1.0 | NRM | 10/03/95 | 2310 | 73479 | 3 | 1 |
| Aluminum | | 489 | 1.3 | 5.2 | mg/kg | 1.0 | | | | | | |
| Arsenic | B | 0.96 | 0.20 | 1 | mg/kg | 1.0 | | | | | | |
| Barium | | 20.8 | 0.01 | 1 | mg/kg | 1.0 | | | | | | |
| Beryllium | U | 0.01 | 0.01 | 0.52 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 223000 | 2.1 | 10.4 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.15 | 0.02 | 0.52 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.20 | 0.02 | 1 | mg/kg | 1.0 | | | | | | |
| Chromium | | 2.8 | 0.07 | 1 | mg/kg | 1.0 | | | | | | |
| Copper | | 8.6 | 0.06 | 1 | mg/kg | 1.0 | | | | | | |
| Iron | | 527 | 1.1 | 5.2 | mg/kg | 1.0 | | | | | | |
| Potassium | | 67.4 | 0.70 | 10.4 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 1600 | 0.30 | 1 | mg/kg | 1.0 | | | | | | |
| Manganese | | 13.6 | 0.01 | 1 | mg/kg | 1.0 | | | | | | |
| Sodium | | 1170 | 1.7 | 10.4 | mg/kg | 1.0 | | | | | | |
| Nickel | B | 0.87 | 0.09 | 1 | mg/kg | 1.0 | | | | | | |
| Lead | | 85.3 | 0.20 | 0.52 | mg/kg | 1.0 | | | | | | |
| Antimony | B | 0.18 | 0.10 | 1 | mg/kg | 1.0 | | | | | | |
| Selenium | U | 0.16 | 0.16 | 0.52 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.22 | 0.22 | 1 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 2.2 | 0.03 | 1 | mg/kg | 1.0 | | | | | | |
| Zinc | | 65.7 | 0.30 | 2.1 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | | 1.0 | 0.08 | 0.53 | mg/kg | 1.0 | JBG | 10/03/95 | 1520 | 73319 | 4 | 1 |



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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : 9509529-06 DL1 KW02749 SFS
Lab ID : 9509529-19
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 12 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **xtractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | U | 380 | 190 | 380 | ug/kg | 100 | JEB | 10/08/95 | 0918 | 73374 | 2 | 1 |
| 4,4'-DDE | ED | 1700 | 95 | 190 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | JD | 190 | 190 | 380 | ug/kg | 100 | | | | | | |
| Aldrin | U | 94 | 48 | 94 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 380 | 190 | 380 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 380 | 190 | 380 | ug/kg | 100 | | | | | | |
| Endrin | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 380 | 190 | 380 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 1900 | 950 | 1900 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 3800 | 1900 | 3800 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 94 | 48 | 94 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 94 | 48 | 94 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 377000 | 22.6 | 112 | mg/kg | 10. | WCC | 10/04/95 | 1633 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.32 | 0.20 | 1.1 | mg/kg | 1.0 | JBG | 10/06/95 | 1850 | 73861 | 4 | 3 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-06 DL2 KW02749 SFS |
| Lab ID | : 9509529-29 |
| Matrix | : SFS |
| Date Collected | : 09/25/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 12 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 74050 | 1 | N |
| **xtractable Organics** | | | | | | | | | | | | |
| *arget Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | U | 760 | 380 | 760 | ug/kg | 200 | JEB | 10/09/95 | 2345 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 1400 | 190 | 380 | ug/kg | 200 | | | | | | |
| 4,4'-DDT | JD | 260 | 380 | 760 | ug/kg | 200 | | | | | | |
| Aldrin | U | 190 | 95 | 190 | ug/kg | 200 | | | | | | |
| Dieldrin | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Endosulfan I | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Endosulfan II | U | 760 | 380 | 760 | ug/kg | 200 | | | | | | |
| Endosulfan sulfate | U | 760 | 380 | 760 | ug/kg | 200 | | | | | | |
| Endrin | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Endrin ketone | U | 760 | 380 | 760 | ug/kg | 200 | | | | | | |
| Heptachlor | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Heptachlor epoxide | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| Methoxychlor | U | 3800 | 1900 | 3800 | ug/kg | 200 | | | | | | |
| Toxaphene | U | 7600 | 3800 | 7600 | ug/kg | 200 | | | | | | |
| alpha-BHC | U | 190 | 95 | 190 | ug/kg | 200 | | | | | | |
| alpha-Chlordane | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| beta-BHC | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| delta-BHC | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |
| gamma-BHC | U | 190 | 95 | 190 | ug/kg | 200 | | | | | | |
| gamma-Chlordane | U | 380 | 190 | 380 | ug/kg | 200 | | | | | | |

**The following prep procedures were performed:**

Pesticides CPU 09/28/95 1430 73374 3

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02749 SFS
Lab ID : 9509529-06
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 12 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **tals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.04 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1321 | 73357 | 2 | 1 |
| Silver | U | 0.28 | 0.28 | 1.1 | mg/kg | 1.0 | NRM | 10/03/95 | 2315 | 73479 | 3 | 1 |
| Aluminum | | 265 | 1.4 | 5.6 | mg/kg | 1.0 | | | | | | |
| Arsenic | | 2.1 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Barium | | 11.4 | 0.01 | 1.1 | mg/kg | 1.0 | | | | | | |
| Beryllium | U | 0.01 | 0.01 | 0.56 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 230000 | 2.3 | 11.2 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.09 | 0.02 | 0.56 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.08 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Chromium | | 3.2 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Copper | | 8.0 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Iron | | 319 | 1.2 | 5.6 | mg/kg | 1.0 | | | | | | |
| Potassium | | 51.2 | 0.80 | 11.2 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 1000 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Manganese | | 6.5 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Sodium | | 1160 | 1.8 | 11.2 | mg/kg | 1.0 | | | | | | |
| Nickel | B | 0.82 | 0.10 | 1.1 | mg/kg | 1.0 | | | | | | |
| Lead | | 22.9 | 0.20 | 0.56 | mg/kg | 1.0 | | | | | | |
| Antimony | B | 0.15 | 0.20 | 1.1 | mg/kg | 1.0 | | | | | | |
| Selenium | U | 0.17 | 0.17 | 0.56 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.24 | 0.24 | 1.1 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 1.7 | 0.03 | 1.1 | mg/kg | 1.0 | | | | | | |
| Zinc | | 18.3 | 0.40 | 2.2 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.30 | 0.08 | 0.52 | mg/kg | 1.0 | JBG | 10/03/95 | 1521 | 73319 | 4 | 1 |

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : 9509529-07 DL1 KW02750 SFS
Lab ID : 9509529-20
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 12 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **ractable Organics** | | | | | | | | | | | | |
| *arget Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | JDP | 120 | 190 | 380 | ug/kg | 100 | JEB | 10/08/95 | 0957 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 1000 | 95 | 190 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | D | 630 | 190 | 380 | ug/kg | 100 | | | | | | |
| Aldrin | U | 95 | 48 | 95 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 380 | 190 | 380 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 380 | 190 | 380 | ug/kg | 100 | | | | | | |
| Endrin | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 380 | 190 | 380 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 1900 | 950 | 1900 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 3800 | 1900 | 3800 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 95 | 48 | 95 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 95 | 48 | 95 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 190 | 95 | 190 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 378000 | 21.9 | 109 | mg/kg | 10. | WCC | 10/04/95 | 1637 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| vanide, Total | B | 0.27 | 0.20 | 1 | mg/kg | 1.0 | JBG | 10/06/95 | 1851 | 73861 | 4 | 3 |



*9509529-20*

# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : KW02750 SFS |
| Lab ID | : 9509529-07 |
| Matrix | : SFS |
| Date Collected | : 09/25/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 12 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **etals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.11 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1323 | 73357 | 2 | 1 |
| Silver | U | 0.27 | 0.27 | 1.1 | mg/kg | 1.0 | NRM | 10/03/95 | 2320 | 73479 | 3 | 1 |
| Aluminum | | 459 | 1.4 | 5.5 | mg/kg | 1.0 | | | | | | |
| Arsenic | B | 0.89 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Barium | | 13.9 | 0.01 | 1.1 | mg/kg | 1.0 | | | | | | |
| Beryllium | U | 0.01 | 0.01 | 0.55 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 227000 | 2.2 | 10.9 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.10 | 0.02 | 0.55 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.14 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Chromium | | 2.8 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Copper | | 5.3 | 0.06 | 1.1 | mg/kg | 1.0 | | | | | | |
| Iron | | 657 | 1.2 | 5.5 | mg/kg | 1.0 | | | | | | |
| Potassium | | 55.4 | 0.80 | 10.9 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 1220 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Manganese | | 13.2 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Sodium | | 1250 | 1.8 | 10.9 | mg/kg | 1.0 | | | | | | |
| Nickel | B | 0.89 | 0.09 | 1.1 | mg/kg | 1.0 | | | | | | |
| Lead | | 20.6 | 0.20 | 0.55 | mg/kg | 1.0 | | | | | | |
| Antimony | U | 0.11 | 0.11 | 1.1 | mg/kg | 1.0 | | | | | | |
| Selenium | U | 0.16 | 0.16 | 0.55 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.23 | 0.23 | 1.1 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 1.9 | 0.03 | 1.1 | mg/kg | 1.0 | | | | | | |
| Zinc | | 17.2 | 0.30 | 2.2 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | | 1.7 | 0.09 | 0.56 | mg/kg | 1.0 | JBG | 10/03/95 | 1522 | 73319 | 4 | 1 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-08 DL1 KW02751 SFS |
| Lab ID | : 9509529-21 |
| Matrix | : SFS |
| Date Collected | : 09/25/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 26 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **:tractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | PD | 710 | 230 | 400 | ug/kg | 100 | JEB | 10/08/95 | 1037 | 73374 | 2 | 1 |
| 4,4'-DDE | ED | 2100 | 120 | 220 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | EPD | 7700 | 230 | 400 | ug/kg | 100 | | | | | | |
| Aldrin | U | 110 | 57 | 110 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 220 | 120 | 220 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 220 | 120 | 220 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 450 | 230 | 450 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 450 | 230 | 450 | ug/kg | 100 | | | | | | |
| Endrin | U | 220 | 120 | 220 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 450 | 230 | 450 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 220 | 120 | 220 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 220 | 120 | 220 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 2200 | 1200 | 2200 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 4500 | 2300 | 4500 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 110 | 57 | 110 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 220 | 120 | 220 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 220 | 120 | 220 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 220 | 120 | 220 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 110 | 57 | 110 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 220 | 120 | 220 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 351000 | 27.1 | 135 | mg/kg | 10. | WCC | 10/04/95 | 1642 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.93 | 0.20 | 1.3 | mg/kg | 1.0 | JBG | 10/06/95 | 1852 | 73861 | 4 | 2 |

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# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : 9509529-08 DL2 KW02751 SFS
Lab ID : 9509529-30
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 26 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 74050 | 1 | N |
| **tractable Organics** | | | | | | | | | | | | |
| *'arget Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | JDP | 510 | 2300 | 4000 | ug/kg | 1000 | JEB | 10/10/95 | 0025 | 73374 | 2 | 1 |
| 4,4'-DDE | JD | 1800 | 1200 | 2200 | ug/kg | 1000 | | | | | | |
| 4,4'-DDT | D | 9000 | 2300 | 4000 | ug/kg | 1000 | | | | | | |
| Aldrin | U | 1100 | 570 | 1100 | ug/kg | 1000 | | | | | | |
| Dieldrin | U | 2200 | 1200 | 2200 | ug/kg | 1000 | | | | | | |
| Endosulfan I | U | 2200 | 1200 | 2200 | ug/kg | 1000 | | | | | | |
| Endosulfan II | U | 4000 | 2300 | 4000 | ug/kg | 1000 | | | | | | |
| Endosulfan sulfate | U | 4000 | 2300 | 4000 | ug/kg | 1000 | | | | | | |
| Endrin | U | 2200 | 1200 | 2200 | ug/kg | 1000 | | | | | | |
| Endrin ketone | U | 4000 | 2300 | 4000 | ug/kg | 1000 | | | | | | |
| Heptachlor | U | 2200 | 1200 | 2200 | ug/kg | 1000 | | | | | | |
| Heptachlor epoxide | U | 2200 | 1200 | 2200 | ug/kg | 1000 | | | | | | |
| Methoxychlor | U | 22000 | 12000 | 22000 | ug/kg | 1000 | | | | | | |
| Toxaphene | U | 45000 | 23000 | 45000 | ug/kg | 1000 | | | | | | |
| alpha-BHC | U | 1100 | 570 | 1100 | ug/kg | 1000 | | | | | | |
| alpha-Chlordane | U | 2200 | 1200 | 2200 | ug/kg | 1000 | | | | | | |
| beta-BHC | U | 2200 | 1200 | 2200 | ug/kg | 1000 | | | | | | |
| delta-BHC | U | 2200 | 1200 | 2200 | ug/kg | 1000 | | | | | | |
| gamma-BHC | U | 1100 | 570 | 1100 | ug/kg | 1000 | | | | | | |
| gamma-Chlordane | U | 2200 | 1200 | 2200 | ug/kg | 1000 | | | | | | |

**The following prep procedures were performed:**
'esticides CPU 09/28/95 1430 73374 3

95



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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988279 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02751 SFS
Lab ID : 9509529-08
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 26 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **tals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.38 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1326 | 73357 | 2 | 2 |
| Silver | U | 0.34 | 0.34 | 1.4 | mg/kg | 1.0 | NRM | 10/03/95 | 2324 | 73479 | 3 | 1 |
| Aluminum | | 2540 | 1.7 | 6.8 | mg/kg | 1.0 | | | | | | |
| Arsenic | | 13.0 | 0.30 | 1.4 | mg/kg | 1.0 | | | | | | |
| Barium | | 31.1 | 0.01 | 1.4 | mg/kg | 1.0 | | | | | | |
| Beryllium | B | 0.06 | 0.01 | 0.68 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 233000 | 2.8 | 13.5 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.21 | 0.02 | 0.68 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.47 | 0.03 | 1.4 | mg/kg | 1.0 | | | | | | |
| Chromium | | 5.6 | 0.09 | 1.4 | mg/kg | 1.0 | | | | | | |
| Copper | | 10 | 0.08 | 1.4 | mg/kg | 1.0 | | | | | | |
| Iron | | 1630 | 1.4 | 6.8 | mg/kg | 1.0 | | | | | | |
| Potassium | | 197 | 0.90 | 13.5 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 2430 | 0.40 | 1.4 | mg/kg | 1.0 | | | | | | |
| Manganese | | 100 | 0.02 | 1.4 | mg/kg | 1.0 | | | | | | |
| Sodium | | 1280 | 2.2 | 13.5 | mg/kg | 1.0 | | | | | | |
| Nickel | | 1.6 | 0.20 | 1.4 | mg/kg | 1.0 | | | | | | |
| Lead | | 56.7 | 0.20 | 0.68 | mg/kg | 1.0 | | | | | | |
| Antimony | B | 0.84 | 0.20 | 1.4 | mg/kg | 1.0 | | | | | | |
| Selenium | B | 0.62 | 0.20 | 0.68 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.28 | 0.28 | 1.4 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 3.5 | 0.04 | 1.4 | mg/kg | 1.0 | | | | | | |
| Zinc | | 47.4 | 0.40 | 2.7 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.38 | 0.10 | 0.64 | mg/kg | 1.0 | JBG | 10/03/95 | 1524 | 73319 | 4 | 1 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-09 DL1 KW02752 SFS |
| Lab ID | : 9509529-22 |
| Matrix | : SFS |
| Date Collected | : 09/25/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 16 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **xtractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | U | 400 | 200 | 400 | ug/kg | 100 | JEB | 10/08/95 | 1116 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 250 | 100 | 200 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | JD | 180 | 200 | 400 | ug/kg | 100 | | | | | | |
| Aldrin | U | 99 | 50 | 99 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 200 | 100 | 200 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 200 | 100 | 200 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 400 | 200 | 400 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 400 | 200 | 400 | ug/kg | 100 | | | | | | |
| Endrin | U | 200 | 100 | 200 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 400 | 200 | 400 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 200 | 100 | 200 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 200 | 100 | 200 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 2000 | 1000 | 2000 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 4000 | 2000 | 4000 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 99 | 50 | 99 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 200 | 100 | 200 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 200 | 100 | 200 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 200 | 100 | 200 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 99 | 50 | 99 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 200 | 100 | 200 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 355000 | 23.4 | 117 | mg/kg | 10. | WCC | 10/04/95 | 1646 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | U | 1.7 | 1.7 | 11 | mg/kg | 1.0 | JBG | 10/06/95 | 1853 | 73861 | 4 | 3 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02752 SFS
Lab ID : 9509529-09
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 16 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **Metals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.31 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1328 | 73357 | 2 | 1 |
| Silver | U | 0.29 | 0.29 | 1.2 | mg/kg | 1.0 | NRM | 10/03/95 | 2356 | 73479 | 3 | 1 |
| Aluminum | | 2500 | 1.4 | 5.8 | mg/kg | 1.0 | | | | | | |
| Arsenic | | 2.8 | 0.30 | 1.2 | mg/kg | 1.0 | | | | | | |
| Barium | | 36.7 | 0.01 | 1.2 | mg/kg | 1.0 | | | | | | |
| Beryllium | B | 0.06 | 0.01 | 0.58 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 232000 | 2.4 | 11.7 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.44 | 0.02 | 0.58 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.53 | 0.03 | 1.2 | mg/kg | 1.0 | | | | | | |
| Chromium | | 7.7 | 0.07 | 1.2 | mg/kg | 1.0 | | | | | | |
| Copper | | 19.1 | 0.07 | 1.2 | mg/kg | 1.0 | | | | | | |
| Iron | | 2120 | 1.2 | 5.8 | mg/kg | 1.0 | | | | | | |
| Potassium | | 241 | 0.80 | 11.7 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 3510 | 0.30 | 1.2 | mg/kg | 1.0 | | | | | | |
| Manganese | | 48.1 | 0.02 | 1.2 | mg/kg | 1.0 | | | | | | |
| Sodium | | 998 | 1.9 | 11.7 | mg/kg | 1.0 | | | | | | |
| Nickel | | 2.3 | 0.10 | 1.2 | mg/kg | 1.0 | | | | | | |
| Lead | | 131 | 0.20 | 0.58 | mg/kg | 1.0 | | | | | | |
| Antimony | | 4.0 | 0.20 | 1.2 | mg/kg | 1.0 | | | | | | |
| Selenium | B | 0.29 | 0.20 | 0.58 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.25 | 0.25 | 1.2 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 6.5 | 0.03 | 1.2 | mg/kg | 1.0 | | | | | | |
| Zinc | | 408 | 0.40 | 2.3 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.14 | 0.09 | 0.57 | mg/kg | 1.0 | JBG | 10/03/95 | 1525 | 73319 | 4 | 1 |



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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : 9509529-10 DL1 KW02753 SFS
Lab ID : 9509529-23
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 17 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **tractable Organics** | | | | | | | | | | | | |
| *arget Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | U | 400 | 210 | 400 | ug/kg | 100 | JEB | 10/08/95 | 1156 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 280 | 110 | 200 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | JD | 140 | 210 | 400 | ug/kg | 100 | | | | | | |
| Aldrin | U | 100 | 51 | 100 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 400 | 210 | 400 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 400 | 210 | 400 | ug/kg | 100 | | | | | | |
| Endrin | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 400 | 210 | 400 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 2000 | 1100 | 2000 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 4000 | 2100 | 4000 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 100 | 51 | 100 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 100 | 51 | 100 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 200 | 110 | 200 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 356000 | 22.0 | 110 | mg/kg | 10. | WCC | 10/04/95 | 1651 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| yanide, Total | B | 0.58 | 0.20 | 1.1 | mg/kg | 1.0 | JBG | 10/06/95 | 1901 | 73861 | 4 | 3 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02753 SFS
Lab ID : 9509529-10
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 17 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **Metals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.33 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1331 | 73357 | 2 | 2 |
| Silver | U | 0.27 | 0.27 | 1.1 | mg/kg | 1.0 | NRM | 10/04/95 | 0000 | 73479 | 3 | 1 |
| Aluminum | | 2420 | 1.4 | 5.5 | mg/kg | 1.0 | | | | | | |
| Arsenic | | 2.6 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Barium | | 38.5 | 0.01 | 1.1 | mg/kg | 1.0 | | | | | | |
| Beryllium | B | 0.07 | 0.01 | 0.55 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 223000 | 2.2 | 11 | mg/kg | 1.0 | | | | | | |
| Cadmium | B | 0.46 | 0.02 | 0.55 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.51 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Chromium | | 7.6 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Copper | | 21.8 | 0.06 | 1.1 | mg/kg | 1.0 | | | | | | |
| Iron | | 2360 | 1.2 | 5.5 | mg/kg | 1.0 | | | | | | |
| Potassium | | 227 | 0.80 | 11 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 3290 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Manganese | | 38.1 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Sodium | | 1050 | 1.8 | 11 | mg/kg | 1.0 | | | | | | |
| Nickel | | 2.3 | 0.09 | 1.1 | mg/kg | 1.0 | | | | | | |
| Lead | | 152 | 0.20 | 0.55 | mg/kg | 1.0 | | | | | | |
| Antimony | | 4.8 | 0.20 | 1.1 | mg/kg | 1.0 | | | | | | |
| Selenium | B | 0.42 | 0.20 | 0.55 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.23 | 0.23 | 1.1 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 6.5 | 0.03 | 1.1 | mg/kg | 1.0 | | | | | | |
| Zinc | | 467 | 0.30 | 2.2 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | | 1.9 | 0.09 | 0.58 | mg/kg | 1.0 | JBG | 10/03/95 | 1529 | 73319 | 4 | 1 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-11 DL1 KW02754 SFS |
| Lab ID | : 9509529-24 |
| Matrix | : SFS |
| Date Collected | : 09/25/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 14 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **ractable Organics** | | | | | | | | | | | | |
| *arget Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | EPD | 6700 | 200 | 390 | ug/kg | 100 | JEB | 10/08/95 | 1235 | 73374 | 2 | N |
| 4,4'-DDE | EPD | 11000 | 97 | 190 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | EPD | 12000 | 200 | 390 | ug/kg | 100 | | | | | | |
| Aldrin | U | 97 | 49 | 97 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 190 | 97 | 190 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 190 | 97 | 190 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 390 | 200 | 390 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 390 | 200 | 390 | ug/kg | 100 | | | | | | |
| Endrin | PD | 370 | 97 | 190 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 390 | 200 | 390 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 190 | 97 | 190 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 190 | 97 | 190 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 1900 | 970 | 1900 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 3900 | 2000 | 3900 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 97 | 49 | 97 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 190 | 97 | 190 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 190 | 97 | 190 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 190 | 97 | 190 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 97 | 49 | 97 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 190 | 97 | 190 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 313000 | 22.2 | 111 | mg/kg | 10. | WCC | 10/04/95 | 1726 | 73479 | 3 | 1 |
| Zinc | D | 1430 | 3.0 | 22.1 | mg/kg | 10. | | | | | | |
| **neral Chemistry** | | | | | | | | | | | | |
| yanide, Total | B | 0.60 | 0.20 | 1 | mg/kg | 1.0 | JBG | 10/06/95 | 1854 | 73861 | 4 | 1 |

# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| ~~WI~~ | ~~99988779~~ | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : 9509529-11 DL2 KW02754 SFS
Lab ID : 9509529-31
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 14 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 74050 | 1 | N |
| **tractable Organics** | | | | | | | | | | | | |
| *. arget Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | JPD | 2200 | 3900 | 7800 | ug/kg | 2000 | JEB | 10/10/95 | 0302 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 19000 | 2000 | 3900 | ug/kg | 2000 | | | | | | |
| 4,4'-DDT | D | 13000 | 3900 | 7800 | ug/kg | 2000 | | | | | | |
| Aldrin | U | 1900 | 970 | 1900 | ug/kg | 2000 | | | | | | |
| Dieldrin | U | 3900 | 2000 | 3900 | ug/kg | 2000 | | | | | | |
| Endosulfan I | U | 3900 | 2000 | 3900 | ug/kg | 2000 | | | | | | |
| Endosulfan II | U | 7800 | 3900 | 7800 | ug/kg | 2000 | | | | | | |
| Endosulfan sulfate | U | 7800 | 3900 | 7800 | ug/kg | 2000 | | | | | | |
| Endrin | U | 3900 | 2000 | 3900 | ug/kg | 2000 | | | | | | |
| Endrin ketone | U | 7800 | 3900 | 7800 | ug/kg | 2000 | | | | | | |
| Heptachlor | U | 3900 | 2000 | 3900 | ug/kg | 2000 | | | | | | |
| Heptachlor epoxide | U | 3900 | 2000 | 3900 | ug/kg | 2000 | | | | | | |
| Methoxychlor | U | 39000 | 20000 | 39000 | ug/kg | 2000 | | | | | | |
| Toxaphene | U | 78000 | 39000 | 78000 | ug/kg | 2000 | | | | | | |
| alpha-BHC | U | 1900 | 970 | 1900 | ug/kg | 2000 | | | | | | |
| alpha-Chlordane | U | 3900 | 2000 | 3900 | ug/kg | 2000 | | | | | | |
| beta-BHC | U | 3900 | 2000 | 3900 | ug/kg | 2000 | | | | | | |
| delta-BHC | U | 3900 | 2000 | 3900 | ug/kg | 2000 | | | | | | |
| gamma-BHC | U | 1900 | 970 | 1900 | ug/kg | 2000 | | | | | | |
| gamma-Chlordane | U | 3900 | 2000 | 3900 | ug/kg | 2000 | | | | | | |

**The following prep procedures were performed:**

esticides CPU 09/28/95 1430 73374 3

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# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02754 SFS
Lab ID : 9509529-11
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 14 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **etals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.28 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1333 | 73357 | 2 | 1 |
| Silver | B | 0.28 | 0.30 | 1.1 | mg/kg | 1.0 | NRM | 10/04/95 | 0005 | 73479 | 3 | 1 |
| Aluminum | | 1410 | 1.4 | 5.5 | mg/kg | 1.0 | | | | | | |
| Arsenic | | 2.3 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Barium | | 66.8 | 0.01 | 1.1 | mg/kg | 1.0 | | | | | | |
| Beryllium | B | 0.03 | 0.01 | 0.55 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 215000 | 2.3 | 11.1 | mg/kg | 1.0 | | | | | | |
| Cadmium | | 1.4 | 0.02 | 0.55 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.84 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Chromium | | 8.8 | 0.07 | 1.1 | mg/kg | 1.0 | | | | | | |
| Copper | | 35.8 | 0.06 | 1.1 | mg/kg | 1.0 | | | | | | |
| Iron | | 2430 | 1.2 | 5.5 | mg/kg | 1.0 | | | | | | |
| Potassium | | 195 | 0.80 | 11.1 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 2170 | 0.30 | 1.1 | mg/kg | 1.0 | | | | | | |
| Manganese | | 44.8 | 0.02 | 1.1 | mg/kg | 1.0 | | | | | | |
| Sodium | | 970 | 1.8 | 11.1 | mg/kg | 1.0 | | | | | | |
| Nickel | | 3.6 | 0.09 | 1.1 | mg/kg | 1.0 | | | | | | |
| Lead | | 337 | 0.20 | 0.55 | mg/kg | 1.0 | | | | | | |
| Antimony | B | 0.72 | 0.20 | 1.1 | mg/kg | 1.0 | | | | | | |
| Selenium | B | 0.37 | 0.20 | 0.55 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.23 | 0.23 | 1.1 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 6.5 | 0.03 | 1.1 | mg/kg | 1.0 | | | | | | |
| Zinc | X | 1160 | 0.30 | 2.2 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | | 4.8 | 0.09 | 0.57 | mg/kg | 1.0 | JBG | 10/03/95 | 1526 | 73319 | 4 | 1 |

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# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-12 DL1 KW02755 SFS |
| Lab ID | : 9509529-25 |
| Matrix | : SFS |
| Date Collected | : 09/25/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 10 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73885 | 1 | N |
| **xtractable Organics** | | | | | | | | | | | | |
| *Target Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | EPD | 7500 | 190 | 370 | ug/kg | 100 | JEB | 10/08/95 | 1314 | 73374 | 2 | 1 |
| 4,4'-DDE | ED | 7400 | 93 | 180 | ug/kg | 100 | | | | | | |
| 4,4'-DDT | EPD | 14000 | 190 | 370 | ug/kg | 100 | | | | | | |
| Aldrin | U | 92 | 47 | 92 | ug/kg | 100 | | | | | | |
| Dieldrin | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| Endosulfan I | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| Endosulfan II | U | 370 | 190 | 370 | ug/kg | 100 | | | | | | |
| Endosulfan sulfate | U | 370 | 190 | 370 | ug/kg | 100 | | | | | | |
| Endrin | PD | 190 | 93 | 180 | ug/kg | 100 | | | | | | |
| Endrin ketone | U | 370 | 190 | 370 | ug/kg | 100 | | | | | | |
| Heptachlor | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| Heptachlor epoxide | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| Methoxychlor | U | 1800 | 930 | 1800 | ug/kg | 100 | | | | | | |
| Toxaphene | U | 3700 | 1900 | 3700 | ug/kg | 100 | | | | | | |
| alpha-BHC | U | 92 | 47 | 92 | ug/kg | 100 | | | | | | |
| alpha-Chlordane | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| beta-BHC | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| delta-BHC | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| gamma-BHC | U | 92 | 47 | 92 | ug/kg | 100 | | | | | | |
| gamma-Chlordane | U | 180 | 93 | 180 | ug/kg | 100 | | | | | | |
| **Metals Analysis** | | | | | | | | | | | | |
| Calcium | D | 351000 | 20.6 | 103 | mg/kg | 10. | WCC | 10/04/95 | 1735 | 73479 | 3 | 2 |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | B | 0.51 | 0.20 | 1.1 | mg/kg | 1.0 | JBG | 10/06/95 | 1905 | 73861 | 4 | 3 |

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

| | |
|---|---|
| Sample ID | : 9509529-12 DL2 KW02755 SFS |
| Lab ID | : 9509529-32 |
| Matrix | : SFS |
| Date Collected | : 09/25/95 |
| Date Received | : 09/26/95 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 10 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 74050 | 1 | N |
| **tractable Organics** | | | | | | | | | | | | |
| *rget Compound List Pesticides - 20 items* | | | | | | | | | | | | |
| 4,4'-DDD | U | 7400 | 3800 | 7400 | ug/kg | 2000 | JEB | 10/10/95 | 0342 | 73374 | 2 | 1 |
| 4,4'-DDE | D | 5200 | 1900 | 3700 | ug/kg | 2000 | | | | | | |
| 4,4'-DDT | D | 21000 | 3800 | 7400 | ug/kg | 2000 | | | | | | |
| Aldrin | U | 1800 | 930 | 1800 | ug/kg | 2000 | | | | | | |
| Dieldrin | U | 3700 | 1900 | 3700 | ug/kg | 2000 | | | | | | |
| Endosulfan I | U | 3700 | 1900 | 3700 | ug/kg | 2000 | | | | | | |
| Endosulfan II | U | 7400 | 3800 | 7400 | ug/kg | 2000 | | | | | | |
| Endosulfan sulfate | U | 7400 | 3800 | 7400 | ug/kg | 2000 | | | | | | |
| Endrin | U | 3700 | 1900 | 3700 | ug/kg | 2000 | | | | | | |
| Endrin ketone | U | 7400 | 3800 | 7400 | ug/kg | 2000 | | | | | | |
| Heptachlor | U | 3700 | 1900 | 3700 | ug/kg | 2000 | | | | | | |
| Heptachlor epoxide | U | 3700 | 1900 | 3700 | ug/kg | 2000 | | | | | | |
| Methoxychlor | U | 37000 | 19000 | 37000 | ug/kg | 2000 | | | | | | |
| Toxaphene | U | 74000 | 38000 | 74000 | ug/kg | 2000 | | | | | | |
| alpha-BHC | U | 1800 | 930 | 1800 | ug/kg | 2000 | | | | | | |
| alpha-Chlordane | U | 3700 | 1900 | 3700 | ug/kg | 2000 | | | | | | |
| beta-BHC | U | 3700 | 1900 | 3700 | ug/kg | 2000 | | | | | | |
| delta-BHC | U | 3700 | 1900 | 3700 | ug/kg | 2000 | | | | | | |
| gamma-BHC | U | 1800 | 930 | 1800 | ug/kg | 2000 | | | | | | |
| gamma-Chlordane | U | 3700 | 1900 | 3700 | ug/kg | 2000 | | | | | | |

**The following prep procedures were performed:**

esticides CPU 09/28/95 1430 73374 3

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# GENERAL ENGINEERING LABORATORIES

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**Laboratory Certifications**

| STATE | GEL | EPI |
|---|---|---|
| FL | E87156/87294 | E87472/87458 |
| NC | 233 | |
| SC | 10120 | 10582 |
| TN | 02934 | |
| VA | 00151 | |
| WI | 99988779 | |

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Keller
Project Description: Key West/KW

cc: BECH00195 Report Date: October 25, 1995 

Sample ID : KW02755 SFS
Lab ID : 9509529-12
Matrix : SFS
Date Collected : 09/25/95
Date Received : 09/26/95
Priority : Routine
Collector : Client

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organic Prep** | | | | | | | | | | | | |
| Evaporative Loss @ 105 C | | 10 | 1 | 1 | wt% | 1.0 | SRP | 09/28/95 | 1505 | 73375 | 1 | 1 |
| **Metals Analysis** | | | | | | | | | | | | |
| Mercury | | 0.24 | 0.02 | 0.04 | mg/kg | 1.0 | PJM | 10/03/95 | 1335 | 73357 | 2 | 2 |
| Silver | B | 0.43 | 0.30 | 1 | mg/kg | 1.0 | NRM | 10/04/95 | 0010 | 73479 | 3 | 1 |
| Aluminum | | 934 | 1.3 | 5.1 | mg/kg | 1.0 | | | | | | |
| Arsenic | | 4.4 | 0.20 | 1 | mg/kg | 1.0 | | | | | | |
| Barium | | 49.2 | 0.01 | 1 | mg/kg | 1.0 | | | | | | |
| Beryllium | B | 0.02 | 0.01 | 0.51 | mg/kg | 1.0 | | | | | | |
| Calcium | X | 222000 | 2.1 | 10.3 | mg/kg | 1.0 | | | | | | |
| Cadmium | | 0.73 | 0.01 | 0.51 | mg/kg | 1.0 | | | | | | |
| Cobalt | B | 0.39 | 0.02 | 1 | mg/kg | 1.0 | | | | | | |
| Chromium | | 5.9 | 0.07 | 1 | mg/kg | 1.0 | | | | | | |
| Copper | | 29.9 | 0.06 | 1 | mg/kg | 1.0 | | | | | | |
| Iron | | 1130 | 1.1 | 5.1 | mg/kg | 1.0 | | | | | | |
| Potassium | | 106 | 0.70 | 10.3 | mg/kg | 1.0 | | | | | | |
| Magnesium | | 2000 | 0.30 | 1 | mg/kg | 1.0 | | | | | | |
| Manganese | | 53.2 | 0.01 | 1 | mg/kg | 1.0 | | | | | | |
| Sodium | | 1070 | 1.7 | 10.3 | mg/kg | 1.0 | | | | | | |
| Nickel | | 1.9 | 0.09 | 1 | mg/kg | 1.0 | | | | | | |
| Lead | | 224 | 0.20 | 0.51 | mg/kg | 1.0 | | | | | | |
| Antimony | B | 0.42 | 0.10 | 1 | mg/kg | 1.0 | | | | | | |
| Selenium | U | 0.15 | 0.15 | 0.51 | mg/kg | 1.0 | | | | | | |
| Thallium | U | 0.22 | 0.22 | 1 | mg/kg | 1.0 | | | | | | |
| Vanadium | | 3.3 | 0.03 | 1 | mg/kg | 1.0 | | | | | | |
| Zinc | | 485 | 0.30 | 2 | mg/kg | 1.0 | | | | | | |
| **General Chemistry** | | | | | | | | | | | | |
| Cyanide, Total | | 3.1 | 0.09 | 0.55 | mg/kg | 1.0 | JBG | 10/03/95 | 1533 | 73319 | 4 | 1 |

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**IR-1**
**Confirmation Sample ID / Location**
**Cross Reference Index**

| Sample ID | Station ID | Depth | Parameters | Comments |
|---|---|---|---|---|
| 2767 | E22 | 0-6" | TAL Metals | |
| 2768 | T18 | 0-6" | TAL Metals | |
| 2769 | V16 | 0-6" | TAL Metals | |
| 2770 | S14 | 0-6" | TAL Metals | |
| 2771 | S12 | 0-6" | TAL Metals | |
| 2772 | P10 | 0-6" | TAL Metals | |
| 2774 | AB14 | 0-6" | TAL Metals | Duplicate of 2774 |
| 2775 | AB14 | 0-6" | TAL Metals | |
| 2776 | C14 | 0-6" | TAL Metals | |
| 2777 | P18 | 0-6" | TAL Metals | |
| 2778 | F11 | 0-6" | TAL Metals | |
| 2779 | M20 | 0-6" | TAL Metals | |
| 2780 | L22 | 0-6" | TAL Metals | |
| 2785 | G25 | 0-6" | TAL Metals | |
| 2786 | A22 | 0-6" | TAL Metals | |
| 2787 | AD11 | 0-6" | TAL Metals | |
| 2788 | AD13 | 0-6" | TAL Metals | |
| 2789 | AD13 | 0-6" | TAL Metals | |
| 2790 | C23 | 0-6" | TAL Metals | |
| 2792 | I24 | 0-6" | TAL Metals | |
| 2793 | AB22 | 0-6" | TAL Metals | |
| 2794 | AD21 | 0-6" | TAL Metals | |
| 2795 | AD21 | 0-6" | TAL Metals | Duplicate of 2794 |
| 2797 | G25 | 0-6" | Lead | |
| 2798 | BA17 | 0-6" | Lead | |
| | | | | |

22567-321-0001-0160-002-01

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02767

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-01

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 88.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1880 | | | P |
| 7440-36-0 | Antimony | 63.2 | | N | P |
| 7440-38-2 | Arsenic | 10.0 | | | P |
| 7440-39-3 | Barium | 163 | | N | P |
| 7440-41-7 | Beryllium | 0.04 | B | | P |
| 7440-43-9 | Cadmium | 2.1 | | | P |
| 7440-70-2 | Calcium | 249000 | | D | P |
| 7440-47-3 | Chromium | 40.2 | | * | P |
| 7440-48-4 | Cobalt | 5.3 | | | P |
| 7440-50-8 | Copper | 662 | | * | P |
| 7439-89-6 | Iron | 45200 | | | P |
| 7439-92-1 | Lead | 520 | | N | P |
| 7439-95-4 | Magnesium | 4050 | | * | P |
| 7439-96-5 | Manganese | 372 | | | P |
| 7440-02-0 | Nickel | 49.1 | | | P |
| 7440-09-7 | Potassium | 162 | | N | P |
| 7782-49-2 | Selenium | 0.17 | U | | P |
| 7440-22-4 | Silver | 5.1 | | | P |
| 7440-23-5 | Sodium | 1210 | | N | P |
| 7440-28-0 | Thallium | 0.24 | U | | P |
| 7440-62-2 | Vanadium | 8.6 | | | P |
| 7440-66-6 | Zinc | 1430 | | *D | P |
| | | | | | |
| | | | | | |
| | | | | | |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02767

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-01

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 88.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.71 | | N | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02768

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-02

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 91.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1030 | | | P |
| 7440-36-0 | Antimony | 3.9 | | N | P |
| 7440-38-2 | Arsenic | 4.4 | | | P |
| 7440-39-3 | Barium | 35.0 | | N | P |
| 7440-41-7 | Beryllium | 0.04 | B | | P |
| 7440-43-9 | Cadmium | 0.78 | | | P |
| 7440-70-2 | Calcium | 217000 | | D | P |
| 7440-47-3 | Chromium | 64.8 | | * | P |
| 7440-48-4 | Cobalt | 1.2 | | | P |
| 7440-50-8 | Copper | 1160 | | * | P |
| 7439-89-6 | Iron | 3640 | | | P |
| 7439-92-1 | Lead | 506 | | N | P |
| 7439-95-4 | Magnesium | 3190 | | * | P |
| 7439-96-5 | Manganese | 35.9 | | | P |
| 7440-02-0 | Nickel | 11.4 | | | P |
| 7440-09-7 | Potassium | 70.0 | | N | P |
| 7782-49-2 | Selenium | 0.16 | U | | P |
| 7440-22-4 | Silver | 0.27 | U | | P |
| 7440-23-5 | Sodium | 868 | | N | P |
| 7440-28-0 | Thallium | 0.22 | U | | P |
| 7440-62-2 | Vanadium | 6.8 | | | P |
| 7440-66-6 | Zinc | 405 | | * | P |
| | | | | | |
| | | | | | |
| | | | | | |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02768

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-02

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 91.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 3.1 | | ND | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02769

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-03

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 90.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1310 | | | P |
| 7440-36-0 | Antimony | 2.1 | | N | P |
| 7440-38-2 | Arsenic | 4.0 | | | P |
| 7440-39-3 | Barium | 27.8 | | N | P |
| 7440-41-7 | Beryllium | 0.06 | B | | P |
| 7440-43-9 | Cadmium | 0.43 | B | | P |
| 7440-70-2 | Calcium | 253000 | | D | P |
| 7440-47-3 | Chromium | 31.2 | | * | P |
| 7440-48-4 | Cobalt | 1.4 | | | P |
| 7440-50-8 | Copper | 467 | | * | P |
| 7439-89-6 | Iron | 5310 | | | P |
| 7439-92-1 | Lead | 183 | | N | P |
| 7439-95-4 | Magnesium | 5410 | | * | P |
| 7439-96-5 | Manganese | 116 | | | P |
| 7440-02-0 | Nickel | 5.3 | | | P |
| 7440-09-7 | Potassium | 121 | | N | P |
| 7782-49-2 | Selenium | 0.17 | U | | P |
| 7440-22-4 | Silver | 0.28 | U | | P |
| 7440-23-5 | Sodium | 1040 | | N | P |
| 7440-28-0 | Thallium | 0.23 | U | | P |
| 7440-62-2 | Vanadium | 4.4 | | | P |
| 7440-66-6 | Zinc | 268 | | * | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02769

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-03

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 90.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 5.1 | | ND | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02770

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-04

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 92.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1000 | | | P |
| 7440-36-0 | Antimony | 2.0 | | N | P |
| 7440-38-2 | Arsenic | 3.5 | | | P |
| 7440-39-3 | Barium | 58.0 | | N | P |
| 7440-41-7 | Beryllium | 0.05 | B | | P |
| 7440-43-9 | Cadmium | 0.74 | | | P |
| 7440-70-2 | Calcium | 139000 | | D | P |
| 7440-47-3 | Chromium | 153 | | * | P |
| 7440-48-4 | Cobalt | 1.6 | | | P |
| 7440-50-8 | Copper | 2250 | | * | P |
| 7439-89-6 | Iron | 4410 | | | P |
| 7439-92-1 | Lead | 567 | | N | P |
| 7439-95-4 | Magnesium | 3610 | | * | P |
| 7439-96-5 | Manganese | 93.2 | | | P |
| 7440-02-0 | Nickel | 6.2 | | | P |
| 7440-09-7 | Potassium | 165 | | N | P |
| 7782-49-2 | Selenium | 0.16 | U | | P |
| 7440-22-4 | Silver | 0.26 | U | | P |
| 7440-23-5 | Sodium | 725 | | N | P |
| 7440-28-0 | Thallium | 0.22 | U | | P |
| 7440-62-2 | Vanadium | 4.0 | | | P |
| 7440-66-6 | Zinc | 693 | | *D | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02770

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-04

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 92.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 7.0 | | ND | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02771

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-05

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 91.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 2050 | | | P |
| 7440-36-0 | Antimony | 203 | | N | P |
| 7440-38-2 | Arsenic | 7.5 | | | P |
| 7440-39-3 | Barium | 59.2 | | N | P |
| 7440-41-7 | Beryllium | 0.07 | B | | P |
| 7440-43-9 | Cadmium | 1.4 | | | P |
| 7440-70-2 | Calcium | 254000 | | D | P |
| 7440-47-3 | Chromium | 39.7 | | * | P |
| 7440-48-4 | Cobalt | 1.7 | | | P |
| 7440-50-8 | Copper | 2240 | | * | P |
| 7439-89-6 | Iron | 6670 | | | P |
| 7439-92-1 | Lead | 383 | | N | P |
| 7439-95-4 | Magnesium | 5380 | | * | P |
| 7439-96-5 | Manganese | 120 | | | P |
| 7440-02-0 | Nickel | 12.7 | | | P |
| 7440-09-7 | Potassium | 242 | | N | P |
| 7782-49-2 | Selenium | 0.16 | U | | P |
| 7440-22-4 | Silver | 1.3 | | | P |
| 7440-23-5 | Sodium | 1070 | | N | P |
| 7440-28-0 | Thallium | 0.23 | U | | P |
| 7440-62-2 | Vanadium | 10.1 | | | P |
| 7440-66-6 | Zinc | 820 | | *D | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02771

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-05

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 91.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.73 | | N | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02772

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-06

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 88.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 12200 | | | P |
| 7440-36-0 | Antimony | 7.6 | | N | P |
| 7440-38-2 | Arsenic | 2.2 | | | P |
| 7440-39-3 | Barium | 31.0 | | N | P |
| 7440-41-7 | Beryllium | 0.17 | B | | P |
| 7440-43-9 | Cadmium | 1.3 | | | P |
| 7440-70-2 | Calcium | 245000 | | D | P |
| 7440-47-3 | Chromium | 35.5 | | * | P |
| 7440-48-4 | Cobalt | 0.79 | B | | P |
| 7440-50-8 | Copper | 763 | | * | P |
| 7439-89-6 | Iron | 10500 | | | P |
| 7439-92-1 | Lead | 162 | | N | P |
| 7439-95-4 | Magnesium | 2450 | | * | P |
| 7439-96-5 | Manganese | 132 | | | P |
| 7440-02-0 | Nickel | 16.9 | | | P |
| 7440-09-7 | Potassium | 43.0 | | N | P |
| 7782-49-2 | Selenium | 0.17 | U | | P |
| 7440-22-4 | Silver | 0.82 | B | | P |
| 7440-23-5 | Sodium | 1080 | | N | P |
| 7440-28-0 | Thallium | 0.24 | U | | P |
| 7440-62-2 | Vanadium | 8.2 | | | P |
| 7440-66-6 | Zinc | 284 | | * | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02772

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-06

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 88.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.61 | | N | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02774

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-07

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 97.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 893 | | | P |
| 7440-36-0 | Antimony | 2.9 | | N | P |
| 7440-38-2 | Arsenic | 2.0 | | | P |
| 7440-39-3 | Barium | 21.6 | | N | P |
| 7440-41-7 | Beryllium | 0.04 | B | | P |
| 7440-43-9 | Cadmium | 0.45 | B | | P |
| 7440-70-2 | Calcium | 253000 | | D | P |
| 7440-47-3 | Chromium | 38.7 | | * | P |
| 7440-48-4 | Cobalt | 0.59 | B | | P |
| 7440-50-8 | Copper | 701 | | * | P |
| 7439-89-6 | Iron | 2490 | | | P |
| 7439-92-1 | Lead | 203 | | N | P |
| 7439-95-4 | Magnesium | 2540 | | * | P |
| 7439-96-5 | Manganese | 36.3 | | | P |
| 7440-02-0 | Nickel | 7.6 | | | P |
| 7440-09-7 | Potassium | 80.4 | | N | P |
| 7782-49-2 | Selenium | 0.15 | U | | P |
| 7440-22-4 | Silver | 0.26 | U | | P |
| 7440-23-5 | Sodium | 1110 | | N | P |
| 7440-28-0 | Thallium | 0.22 | U | | P |
| 7440-62-2 | Vanadium | 4.2 | | | P |
| 7440-66-6 | Zinc | 348 | | * | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02774

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-07

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 97.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 2.8 | | ND | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02775

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-08

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 96.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 587 | | | P |
| 7440-36-0 | Antimony | 6.1 | | N | P |
| 7440-38-2 | Arsenic | 3.3 | | | P |
| 7440-39-3 | Barium | 24.2 | | N | P |
| 7440-41-7 | Beryllium | 0.02 | U | | P |
| 7440-43-9 | Cadmium | 0.60 | | | P |
| 7440-70-2 | Calcium | 253000 | | D | P |
| 7440-47-3 | Chromium | 56.0 | | * | P |
| 7440-48-4 | Cobalt | 0.88 | B | | P |
| 7440-50-8 | Copper | 892 | | * | P |
| 7439-89-6 | Iron | 9840 | | | P |
| 7439-92-1 | Lead | 334 | | N | P |
| 7439-95-4 | Magnesium | 2460 | | * | P |
| 7439-96-5 | Manganese | 61.7 | | | P |
| 7440-02-0 | Nickel | 8.0 | | | P |
| 7440-09-7 | Potassium | 65.6 | | N | P |
| 7782-49-2 | Selenium | 0.16 | U | | P |
| 7440-22-4 | Silver | 0.27 | B | | P |
| 7440-23-5 | Sodium | 1160 | | N | P |
| 7440-28-0 | Thallium | 0.22 | U | | P |
| 7440-62-2 | Vanadium | 4.9 | | | P |
| 7440-66-6 | Zinc | 359 | | * | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02775

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-08

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 96.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 3.3 | | ND | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02776

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-09

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 94.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 435 | | | P |
| 7440-36-0 | Antimony | 3.0 | | N | P |
| 7440-38-2 | Arsenic | 1.9 | | | P |
| 7440-39-3 | Barium | 20.4 | | N | P |
| 7440-41-7 | Beryllium | 0.02 | U | | P |
| 7440-43-9 | Cadmium | 0.60 | | | P |
| 7440-70-2 | Calcium | 307000 | | D | P |
| 7440-47-3 | Chromium | 9.3 | | * | P |
| 7440-48-4 | Cobalt | 0.44 | B | | P |
| 7440-50-8 | Copper | 139 | | * | P |
| 7439-89-6 | Iron | 2210 | | | P |
| 7439-92-1 | Lead | 89.5 | | N | P |
| 7439-95-4 | Magnesium | 2360 | | * | P |
| 7439-96-5 | Manganese | 23.3 | | | P |
| 7440-02-0 | Nickel | 2.9 | | | P |
| 7440-09-7 | Potassium | 58.6 | | N | P |
| 7782-49-2 | Selenium | 0.27 | B | | P |
| 7440-22-4 | Silver | 0.25 | B | | P |
| 7440-23-5 | Sodium | 1350 | | N | P |
| 7440-28-0 | Thallium | 0.20 | U | | P |
| 7440-62-2 | Vanadium | 3.0 | | | P |
| 7440-66-6 | Zinc | 143 | | * | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02776

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B387S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511387-09

Level (low/med): LOW__ Date Received: 11/21/95

% Solids: 94.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.38 | | ND | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02777

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B512S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511512-01

Level (low/med): LOW__ Date Received: 11/30/95

% Solids: 96.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1280 | | | P | |
| 7440-36-0 | Antimony | 1.4 | | N | P | J |
| 7440-38-2 | Arsenic | 1.6 | | | P | |
| 7440-39-3 | Barium | 27.6 | | N | P | J |
| 7440-41-7 | Beryllium | 0.04 | B | N | P | J |
| 7440-43-9 | Cadmium | 0.24 | B | N | P | J |
| 7440-70-2 | Calcium | 247000 | | E | P | |
| 7440-47-3 | Chromium | 14.1 | | EN | P | J |
| 7440-48-4 | Cobalt | 1.1 | | EN | P | J |
| 7440-50-8 | Copper | 140 | | N | P | J |
| 7439-89-6 | Iron | 2790 | | E | P | |
| 7439-92-1 | Lead | 165 | | EN | P | J |
| 7439-95-4 | Magnesium | 3080 | | E | P | |
| 7439-96-5 | Manganese | 46.8 | | N | P | J |
| 7440-02-0 | Nickel | 3.8 | | EN | P | J |
| 7440-09-7 | Potassium | 170 | | | P | |
| 7782-49-2 | Selenium | 0.08 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.13 | U | | P | U |
| 7440-23-5 | Sodium | 1340 | | | P | |
| 7440-28-0 | Thallium | 0.11 | U | N | P | UJ |
| 7440-62-2 | Vanadium | 4.1 | | N | P | J |
| 7440-66-6 | Zinc | 125 | | N | P | J |
| | | | | | | |
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WTW 2/28/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02777

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B512S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511512-01

Level (low/med): LOW__ Date Received: 11/30/95

% Solids: 96.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.66 | | | AV |

REV QUAL

WW 2/28/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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# INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02778

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B512S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511512-02

Level (low/med): LOW__ Date Received: 11/30/95

% Solids: 95.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum_ | 3540 | | | P | |
| 7440-36-0 | Antimony_ | 28.5 | | N | P | J |
| 7440-38-2 | Arsenic__ | 13.1 | | | P | |
| 7440-39-3 | Barium___ | 137 | | N | P | J |
| 7440-41-7 | Beryllium | 0.06 | B | N | P | J |
| 7440-43-9 | Cadmium__ | 4.8 | | N | P | J |
| 7440-70-2 | Calcium__ | 241000 | | E | P | |
| 7440-47-3 | Chromium_ | 62.0 | | EN | P | J |
| 7440-48-4 | Cobalt___ | 4.2 | | EN | P | J |
| 7440-50-8 | Copper___ | 854 | | N | P | J |
| 7439-89-6 | Iron_____ | 21800 | | E | P | |
| 7439-92-1 | Lead_____ | 1110 | | EN | P | J |
| 7439-95-4 | Magnesium | 3650 | | E | P | |
| 7439-96-5 | Manganese | 441 | | N | P | J |
| 7440-02-0 | Nickel___ | 45.6 | | EN | P | J |
| 7440-09-7 | Potassium | 166 | | | P | |
| 7782-49-2 | Selenium_ | 0.08 | U | N | P | UJ |
| 7440-22-4 | Silver___ | 2.6 | | | P | |
| 7440-23-5 | Sodium___ | 959 | | | P | |
| 7440-28-0 | Thallium_ | 0.33 | U | N | P | UJ |
| 7440-62-2 | Vanadium_ | 22.2 | | N | P | J |
| 7440-66-6 | Zinc_____ | 1930 | | N | P | J |
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WPW 2/28/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02778

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B512S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511512-02

Level (low/med): LOW__ Date Received: 11/30/95

% Solids: 95.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury__ | 1.3 | | | AV |

REV QUAL

MW 2/28/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02779

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B512S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511512-03

Level (low/med): LOW__ Date Received: 11/30/95

% Solids: 99.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 885 | | | P | |
| 7440-36-0 | Antimony | 7.6 | | N | P | J |
| 7440-38-2 | Arsenic | 6.8 | | | P | |
| 7440-39-3 | Barium | 40.6 | | N | P | J |
| 7440-41-7 | Beryllium | 0.10 | B | N | P | J |
| 7440-43-9 | Cadmium | 0.57 | | N | P | J |
| 7440-70-2 | Calcium | 63500 | | E | P | |
| 7440-47-3 | Chromium | 34.7 | | EN | P | J |
| 7440-48-4 | Cobalt | 5.5 | | EN | P | J |
| 7440-50-8 | Copper | 263 | | N | P | J |
| 7439-89-6 | Iron | 8110 | | E | P | |
| 7439-92-1 | Lead | 371 | | EN | P | J |
| 7439-95-4 | Magnesium | 916 | | E | P | |
| 7439-96-5 | Manganese | 45.0 | | N | P | J |
| 7440-02-0 | Nickel | 19.7 | | EN | P | J |
| 7440-09-7 | Potassium | 63.4 | | | P | |
| 7782-49-2 | Selenium | 0.12 | B | N | P | J |
| 7440-22-4 | Silver | 0.40 | B | | P | |
| 7440-23-5 | Sodium | 316 | | | P | |
| 7440-28-0 | Thallium | 0.11 | U | N | P | UJ |
| 7440-62-2 | Vanadium | 3.8 | | N | P | J |
| 7440-66-6 | Zinc | 505 | | N | P | J |
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WW
2/28/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02779

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B512S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511512-03

Level (low/med): LOW__ Date Received: 11/30/95

% Solids: 99.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 1.3 | | | AV |

REV QUAL

WTW 2/28/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02780

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B512S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511512-04

Level (low/med): LOW__ Date Received: 11/30/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 247 | | | P | |
| 7440-36-0 | Antimony | 1.1 | | N | P | J |
| 7440-38-2 | Arsenic | 2.6 | | | P | |
| 7440-39-3 | Barium | 13.7 | | N | P | J |
| 7440-41-7 | Beryllium | 0.01 | U | N | P | UJ |
| 7440-43-9 | Cadmium | 0.17 | B | N | P | J |
| 7440-70-2 | Calcium | 304000 | | E | P | |
| 7440-47-3 | Chromium | 4.3 | | EN | P | J |
| 7440-48-4 | Cobalt | 0.17 | B | EN | P | J |
| 7440-50-8 | Copper | 25.3 | | N | P | J |
| 7439-89-6 | Iron | 828 | | E | P | |
| 7439-92-1 | Lead | 41.1 | | EN | P | J |
| 7439-95-4 | Magnesium | 3730 | | E | P | |
| 7439-96-5 | Manganese | 11.2 | | N | P | J |
| 7440-02-0 | Nickel | 1.0 | | EN | P | J |
| 7440-09-7 | Potassium | 46.8 | | | P | |
| 7782-49-2 | Selenium | 0.08 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.13 | U | | P | U |
| 7440-23-5 | Sodium | 1550 | | | P | |
| 7440-28-0 | Thallium | 0.11 | U | N | P | UJ |
| 7440-62-2 | Vanadium | 2.7 | | N | P | J |
| 7440-66-6 | Zinc | 39.4 | | N | P | J |
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WTW 2/28/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02780

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5B512S

Matrix (soil/water): SOIL_ Lab Sample ID: 9511512-04

Level (low/med): LOW__ Date Received: 11/30/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.20 | | | AV |

REV QUAL

WTW 2/28/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02785

Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-01

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 86.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1690 | | E* | P |
| 7440-36-0 | Antimony | 25.7 | | EN | P |
| 7440-38-2 | Arsenic | 9.4 | | E | P |
| 7440-39-3 | Barium | 111 | | E | P |
| 7440-41-7 | Beryllium | 0.03 | B | | P |
| 7440-43-9 | Cadmium | 2.0 | | EN | P |
| 7440-70-2 | Calcium | 303000 | | E | P |
| 7440-47-3 | Chromium | 41.0 | | E | P |
| 7440-48-4 | Cobalt | 1.7 | | E | P |
| 7440-50-8 | Copper | 530 | | * | P |
| 7439-89-6 | Iron | 6970 | | E* | P |
| 7439-92-1 | Lead | 680 | | E* | P |
| 7439-95-4 | Magnesium | 3930 | | E | P |
| 7439-96-5 | Manganese | 191 | | EN* | P |
| 7440-02-0 | Nickel | 27.5 | | EN* | P |
| 7440-09-7 | Potassium | 156 | | | P |
| 7782-49-2 | Selenium | 0.11 | B | | P |
| 7440-22-4 | Silver | 2.4 | | | P |
| 7440-23-5 | Sodium | 1320 | | | P |
| 7440-28-0 | Thallium | 0.12 | U | N | P |
| 7440-62-2 | Vanadium | 20.2 | | EN | P |
| 7440-66-6 | Zinc | 1280 | | | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02785

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-01

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 86.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.85 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02786

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-02

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1190 | | E* | P |
| 7440-36-0 | Antimony | 8.3 | | EN | P |
| 7440-38-2 | Arsenic | 1.6 | | E | P |
| 7440-39-3 | Barium | 23.7 | | E | P |
| 7440-41-7 | Beryllium | 0.03 | B | | P |
| 7440-43-9 | Cadmium | 0.62 | | EN | P |
| 7440-70-2 | Calcium | 228000 | | E | P |
| 7440-47-3 | Chromium | 18.8 | | E | P |
| 7440-48-4 | Cobalt | 0.61 | | E | P |
| 7440-50-8 | Copper | 214 | | * | P |
| 7439-89-6 | Iron | 2660 | | E* | P |
| 7439-92-1 | Lead | 458 | | E* | P |
| 7439-95-4 | Magnesium | 1820 | | E | P |
| 7439-96-5 | Manganese | 32.2 | | EN* | P |
| 7440-02-0 | Nickel | 6.0 | | EN* | P |
| 7440-09-7 | Potassium | 138 | | | P |
| 7782-49-2 | Selenium | 0.08 | U | | P |
| 7440-22-4 | Silver | 0.24 | B | | P |
| 7440-23-5 | Sodium | 1030 | | | P |
| 7440-28-0 | Thallium | 0.11 | U | N | P |
| 7440-62-2 | Vanadium | 5.0 | | EN | P |
| 7440-66-6 | Zinc | 347 | | | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02786

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-02

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.24 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02787

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-03

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 344 | | E* | P |
| 7440-36-0 | Antimony | 2.7 | | EN | P |
| 7440-38-2 | Arsenic | 2.2 | | E | P |
| 7440-39-3 | Barium | 17.6 | | E | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.35 | | EN | P |
| 7440-70-2 | Calcium | 328000 | | E | P |
| 7440-47-3 | Chromium | 12.4 | | E | P |
| 7440-48-4 | Cobalt | 0.35 | B | E | P |
| 7440-50-8 | Copper | 110 | | * | P |
| 7439-89-6 | Iron | 926 | | E* | P |
| 7439-92-1 | Lead | 121 | | E* | P |
| 7439-95-4 | Magnesium | 3920 | | E | P |
| 7439-96-5 | Manganese | 18.6 | | EN* | P |
| 7440-02-0 | Nickel | 5.6 | | EN* | P |
| 7440-09-7 | Potassium | 79.1 | | | P |
| 7782-49-2 | Selenium | 0.08 | B | | P |
| 7440-22-4 | Silver | 0.16 | B | | P |
| 7440-23-5 | Sodium | 1760 | | | P |
| 7440-28-0 | Thallium | 0.11 | U | N | P |
| 7440-62-2 | Vanadium | 3.2 | | EN | P |
| 7440-66-6 | Zinc | 186 | | | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02787

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-03

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.45 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02788

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-04

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 91.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 685 | | E* | P |
| 7440-36-0 | Antimony | 9.4 | | EN | P |
| 7440-38-2 | Arsenic | 6.5 | | E | P |
| 7440-39-3 | Barium | 25.5 | | E | P |
| 7440-41-7 | Beryllium | 0.03 | B | | P |
| 7440-43-9 | Cadmium | 0.96 | | EN | P |
| 7440-70-2 | Calcium | 225000 | | E | P |
| 7440-47-3 | Chromium | 33.5 | | E | P |
| 7440-48-4 | Cobalt | 0.71 | | E | P |
| 7440-50-8 | Copper | 1370 | | * | P |
| 7439-89-6 | Iron | 3950 | | E* | P |
| 7439-92-1 | Lead | 367 | | E* | P |
| 7439-95-4 | Magnesium | 2640 | | E | P |
| 7439-96-5 | Manganese | 41.5 | | EN* | P |
| 7440-02-0 | Nickel | 7.3 | | EN* | P |
| 7440-09-7 | Potassium | 106 | | | P |
| 7782-49-2 | Selenium | 0.08 | U | | P |
| 7440-22-4 | Silver | 0.33 | B | | P |
| 7440-23-5 | Sodium | 2210 | | | P |
| 7440-28-0 | Thallium | 0.12 | U | N | P |
| 7440-62-2 | Vanadium | 7.0 | | EN | P |
| 7440-66-6 | Zinc | 386 | | | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02788

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-04

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 91.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 2.2 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02789

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-05

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 90.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 757 | | E* | P |
| 7440-36-0 | Antimony | 6.1 | | EN | P |
| 7440-38-2 | Arsenic | 7.1 | | E | P |
| 7440-39-3 | Barium | 25.1 | | E | P |
| 7440-41-7 | Beryllium | 0.03 | B | | P |
| 7440-43-9 | Cadmium | 0.64 | | EN | P |
| 7440-70-2 | Calcium | 224000 | | E | P |
| 7440-47-3 | Chromium | 35.4 | | E | P |
| 7440-48-4 | Cobalt | 0.66 | | E | P |
| 7440-50-8 | Copper | 1380 | | * | P |
| 7439-89-6 | Iron | 3580 | | E* | P |
| 7439-92-1 | Lead | 346 | | E* | P |
| 7439-95-4 | Magnesium | 2880 | | E | P |
| 7439-96-5 | Manganese | 50.1 | | EN* | P |
| 7440-02-0 | Nickel | 7.7 | | EN* | P |
| 7440-09-7 | Potassium | 119 | | | P |
| 7782-49-2 | Selenium | 0.08 | U | | P |
| 7440-22-4 | Silver | 0.31 | B | | P |
| 7440-23-5 | Sodium | 2250 | | | P |
| 7440-28-0 | Thallium | 0.12 | U | N | P |
| 7440-62-2 | Vanadium | 8.9 | | EN | P |
| 7440-66-6 | Zinc | 394 | | | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02789

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-05

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 90.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 2.2 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02790

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-06

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 91.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1700 | | E* | P |
| 7440-36-0 | Antimony | 6.7 | | EN | P |
| 7440-38-2 | Arsenic | 2.3 | | E | P |
| 7440-39-3 | Barium | 45.5 | | E | P |
| 7440-41-7 | Beryllium | 0.26 | B | | P |
| 7440-43-9 | Cadmium | 0.82 | | EN | P |
| 7440-70-2 | Calcium | 322000 | | E | P |
| 7440-47-3 | Chromium | 24.5 | | E | P |
| 7440-48-4 | Cobalt | 0.95 | | E | P |
| 7440-50-8 | Copper | 230 | | * | P |
| 7439-89-6 | Iron | 2310 | | E* | P |
| 7439-92-1 | Lead | 185 | | E* | P |
| 7439-95-4 | Magnesium | 3640 | | E | P |
| 7439-96-5 | Manganese | 116 | | EN* | P |
| 7440-02-0 | Nickel | 4.7 | | EN* | P |
| 7440-09-7 | Potassium | 223 | | | P |
| 7782-49-2 | Selenium | 0.09 | B | | P |
| 7440-22-4 | Silver | 0.66 | | | P |
| 7440-23-5 | Sodium | 1350 | | | P |
| 7440-28-0 | Thallium | 0.12 | U | N | P |
| 7440-62-2 | Vanadium | 4.4 | | EN | P |
| 7440-66-6 | Zinc | 437 | | | P |
| | | | | | |
| | | | | | |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02790

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C131S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512131-06

Level (low/med): LOW__ Date Received: 12/07/95

% Solids: 91.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.39 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

22567-321-0001-0165-002-01

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02792 01

gB 02/29/96

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C201S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512201-01

Level (low/med): LOW__ Date Received: 12/09/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 4930 | | E* | P | J |
| 7440-36-0 | Antimony | 94.4 | | E* | P | J |
| 7440-38-2 | Arsenic | 20.3 | | E | P | J |
| 7440-39-3 | Barium | 284 | | E | P | J |
| 7440-41-7 | Beryllium | 0.05 | B | | P | |
| 7440-43-9 | Cadmium | 12.5 | | E | P | J |
| 7440-70-2 | Calcium | 211000 | | | P | |
| 7440-47-3 | Chromium | 147 | | EN* | P | J |
| 7440-48-4 | Cobalt | 6.1 | | E | P | J |
| 7440-50-8 | Copper | 2120 | | E | P | J |
| 7439-89-6 | Iron | 55100 | | E* | P | J |
| 7439-92-1 | Lead | 6140 | | * | P | J |
| 7439-95-4 | Magnesium | 3240 | | E | P | J |
| 7439-96-5 | Manganese | 356 | | E | P | J |
| 7440-02-0 | Nickel | 63.5 | | EN* | P | J |
| 7440-09-7 | Potassium | 366 | | | P | |
| 7782-49-2 | Selenium | 0.18 | B | N | P | UJ |
| 7440-22-4 | Silver | 5.8 | | | P | |
| 7440-23-5 | Sodium | 845 | | * | P | J |
| 7440-28-0 | Thallium | 0.52 | U | N | P | UJ |
| 7440-62-2 | Vanadium | 21.6 | | EN* | P | J |
| 7440-66-6 | Zinc | 4610 | | * | P | J |
| | | | | | | |
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WTW 2/29/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW027920 1 gB 02/22/96

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C201S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512201-01

Level (low/med): LOW__ Date Received: 12/09/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 2.1 | | | AV |

REV QUAL

WRW 2/29/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0279301

gb 02/29/96

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C201S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512201-02

Level (low/med): LOW__ Date Received: 12/09/95

% Solids: 92.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1670 | | E* | P | J |
| 7440-36-0 | Antimony | 21.6 | | E* | P | J |
| 7440-38-2 | Arsenic | 2.5 | | E | P | J |
| 7440-39-3 | Barium | 41.2 | | E | P | J |
| 7440-41-7 | Beryllium | 0.05 | B | | P | |
| 7440-43-9 | Cadmium | 2.1 | | E | P | J |
| 7440-70-2 | Calcium | 1300000 | | | P | |
| 7440-47-3 | Chromium | 28.3 | | EN* | P | J |
| 7440-48-4 | Cobalt | 1.0 | | E | P | J |
| 7440-50-8 | Copper | 334 | | E | P | J |
| 7439-89-6 | Iron | 3760 | | E* | P | J |
| 7439-92-1 | Lead | 417 | | * | P | J |
| 7439-95-4 | Magnesium | 4410 | | E | P | J |
| 7439-96-5 | Manganese | 72.8 | | E | P | J |
| 7440-02-0 | Nickel | 11.0 | | EN* | P | J |
| 7440-09-7 | Potassium | 249 | | | P | |
| 7782-49-2 | Selenium | 0.08 | U | N | P | UJ |
| 7440-22-4 | Silver | 1.2 | | | P | |
| 7440-23-5 | Sodium | 1330 | | * | P | |
| 7440-28-0 | Thallium | 0.11 | U | N | P | UJ |
| 7440-62-2 | Vanadium | 8.1 | | EN* | P | |
| 7440-66-6 | Zinc | 3240 | | * | P | J |
| | | | | | | |
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MW 2/29/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW027936

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C201S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512201-02

Level (low/med): LOW__ Date Received: 12/09/95

% Solids: 92.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 1.2 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW027940 1 gb 02/22/96

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C201S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512201-03

Level (low/med): LOW__ Date Received: 12/09/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | Rev Qual |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1330 | | E* | P | J |
| 7440-36-0 | Antimony | 32.3 | | E* | P | J |
| 7440-38-2 | Arsenic | 4.1 | | E | P | J |
| 7440-39-3 | Barium | 66.7 | | E | P | J |
| 7440-41-7 | Beryllium | 0.14 | B | | P | |
| 7440-43-9 | Cadmium | 1.6 | | E | P | J |
| 7440-70-2 | Calcium | 296000 | | | P | |
| 7440-47-3 | Chromium | 27.3 | | EN* | P | J |
| 7440-48-4 | Cobalt | 1.5 | | E | P | J |
| 7440-50-8 | Copper | 478 | | E | P | J |
| 7439-89-6 | Iron | 7200 | | E* | P | J |
| 7439-92-1 | Lead | 582 | | * | P | J |
| 7439-95-4 | Magnesium | 2320 | | E | P | J |
| 7439-96-5 | Manganese | 93.6 | | E | P | J |
| 7440-02-0 | Nickel | 17.8 | | EN* | P | J |
| 7440-09-7 | Potassium | 168 | | | P | |
| 7782-49-2 | Selenium | 0.08 | U | N | P | UJ |
| 7440-22-4 | Silver | 1.7 | | | P | |
| 7440-23-5 | Sodium | 1490 | | * | P | J |
| 7440-28-0 | Thallium | 0.22 | U | N | P | UJ |
| 7440-62-2 | Vanadium | 9.1 | | EN* | P | J |
| 7440-66-6 | Zinc | 879 | | * | P | J |
| | | | | | | |
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MW 2/29/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0279401

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C201S

gb 02/27/96

Matrix (soil/water): SOIL_ Lab Sample ID: 9512201-03

Level (low/med): LOW__ Date Received: 12/09/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.65 | | | AV |

REV QUAL

WRW 2/29/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0279501 gB 02/27/96

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C201S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512201-04

Level (low/med): LOW__ Date Received: 12/09/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum_ | 1380 | | E* | P | J |
| 7440-36-0 | Antimony_ | 33.3 | | E* | P | J |
| 7440-38-2 | Arsenic__ | 3.3 | | E | P | J |
| 7440-39-3 | Barium___ | 71.2 | | E | P | J |
| 7440-41-7 | Beryllium | 0.07 | B | | P | |
| 7440-43-9 | Cadmium__ | 1.7 | | E | P | J |
| 7440-70-2 | Calcium__ | 274000 | | | P | |
| 7440-47-3 | Chromium_ | 29.5 | | EN* | P | |
| 7440-48-4 | Cobalt___ | 1.4 | | E | P | J |
| 7440-50-8 | Copper___ | 461 | | E | P | J |
| 7439-89-6 | Iron____ | 4760 | | E* | P | J |
| 7439-92-1 | Lead____ | 525 | | * | P | J |
| 7439-95-4 | Magnesium | 2430 | | E | P | J |
| 7439-96-5 | Manganese | 92.7 | | E | P | J |
| 7440-02-0 | Nickel___ | 22.3 | | EN* | P | J |
| 7440-09-7 | Potassium | 163 | | | P | |
| 7782-49-2 | Selenium_ | 0.08 | U | N | P | UJ |
| 7440-22-4 | Silver___ | 1.9 | | | P | |
| 7440-23-5 | Sodium__ | 1540 | | * | P | J |
| 7440-28-0 | Thallium_ | 0.22 | U | N | P | UJ |
| 7440-62-2 | Vanadium_ | 16.1 | | EN* | P | J |
| 7440-66-6 | Zinc____ | 741 | | * | P | J |
| | | | | | | |
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WTW 2/29/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0279501 gB 02/22/96

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5C201S

Matrix (soil/water): SOIL_ Lab Sample ID: 9512201-04

Level (low/med): LOW__ Date Received: 12/09/95

% Solids: 93.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

REV QUAL

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.64 | | | AV |

WRW 2/29/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02797

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61395S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601395-01

Level (low/med): LOW__ Date Received: 01/22/96

% Solids: 84.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 94.8 | | EN | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02798

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61395S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601395-02

Level (low/med): LOW__ Date Received: 01/22/96

% Solids: 84.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 180 | | EN | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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**AOC-B**
**Confirmation Sample ID / Location**
**Cross Reference Index**

| Sample ID | Station ID | Depth | Parameter | Comments |
|---|---|---|---|---|
| 2799 | E13 | 0-6" | TAL Metals | |
| 2800 | F14 | 0-6" | TAL Metals | |
| 2801 | E14 | 0-6" | TAL Metals | |
| 2802 | E15 | 0-6" | TAL Metals | |
| 2803 | E16 | 0-6" | TAL Metals | |
| 2804 | F16 | 0-6" | TAL Metals | |
| 2805 | F16 | 0-6" | TAL Metals | Duplicate of 2804 |
| AOC-B | Grab | | TRPH,<br>8020 Volatile Aromatics,<br>TCLP Metals | Profile Sampling |

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0279901

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-01

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 43.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 2770 | | * | P |
| 7440-36-0 | Antimony | 3.1 | | | P |
| 7440-38-2 | Arsenic | 4.8 | | | P |
| 7440-39-3 | Barium | 25.9 | | | P |
| 7440-41-7 | Beryllium | 0.09 | B | | P |
| 7440-43-9 | Cadmium | 0.74 | | | P |
| 7440-70-2 | Calcium | 260000 | | | P |
| 7440-47-3 | Chromium | 56.9 | | | P |
| 7440-48-4 | Cobalt | 1.1 | B | | P |
| 7440-50-8 | Copper | 40.5 | | | P |
| 7439-89-6 | Iron | 16800 | | * | P |
| 7439-92-1 | Lead | 165 | | | P |
| 7439-95-4 | Magnesium | 14300 | | | P |
| 7439-96-5 | Manganese | 65.0 | | | P |
| 7440-02-0 | Nickel | 23.6 | | | P |
| 7440-09-7 | Potassium | 1690 | | | P |
| 7782-49-2 | Selenium | 0.17 | U | | P |
| 7440-22-4 | Silver | 0.29 | U | | P |
| 7440-23-5 | Sodium | 29800 | | | P |
| 7440-28-0 | Thallium | 0.24 | U | | P |
| 7440-62-2 | Vanadium | 9.3 | | | P |
| 7440-66-6 | Zinc | 258 | | | P |
| | | | | | |
| | | | | | |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0279901 JB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-01

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 43.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.11 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0280001 gB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-02

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 32.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 4230 | | * | P |
| 7440-36-0 | Antimony | 11.2 | | | P |
| 7440-38-2 | Arsenic | 22.9 | | | P |
| 7440-39-3 | Barium | 131 | | | P |
| 7440-41-7 | Beryllium | 0.13 | B | | P |
| 7440-43-9 | Cadmium | 8.8 | | | P |
| 7440-70-2 | Calcium | 126000 | | | P |
| 7440-47-3 | Chromium | 121 | | | P |
| 7440-48-4 | Cobalt | 9.7 | | | P |
| 7440-50-8 | Copper | 420 | | | P |
| 7439-89-6 | Iron | 116000 | | * | P |
| 7439-92-1 | Lead | 302 | | | P |
| 7439-95-4 | Magnesium | 10800 | | | P |
| 7439-96-5 | Manganese | 388 | | | P |
| 7440-02-0 | Nickel | 151 | | | P |
| 7440-09-7 | Potassium | 2260 | | | P |
| 7782-49-2 | Selenium | 2.3 | U | | P |
| 7440-22-4 | Silver | 0.39 | U | | P |
| 7440-23-5 | Sodium | 43300 | | | P |
| 7440-28-0 | Thallium | 0.33 | U | | P |
| 7440-62-2 | Vanadium | 19.4 | | | P |
| 7440-66-6 | Zinc | 3680 | | | P |
| | | | | | |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0280001 JB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-02

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 32.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 1.2 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW028010 1 JB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-03

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 44.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 3920 | | * | P |
| 7440-36-0 | Antimony | 1.2 | | | P |
| 7440-38-2 | Arsenic | 6.6 | | | P |
| 7440-39-3 | Barium | 19.7 | | | P |
| 7440-41-7 | Beryllium | 0.07 | B | | P |
| 7440-43-9 | Cadmium | 1.5 | | | P |
| 7440-70-2 | Calcium | 182000 | | | P |
| 7440-47-3 | Chromium | 18.6 | | | P |
| 7440-48-4 | Cobalt | 7.8 | | | P |
| 7440-50-8 | Copper | 415 | | | P |
| 7439-89-6 | Iron | 18900 | | * | P |
| 7439-92-1 | Lead | 33.8 | | | P |
| 7439-95-4 | Magnesium | 6970 | | | P |
| 7439-96-5 | Manganese | 69.7 | | | P |
| 7440-02-0 | Nickel | 37.6 | | | P |
| 7440-09-7 | Potassium | 1240 | | | P |
| 7782-49-2 | Selenium | 0.17 | U | | P |
| 7440-22-4 | Silver | 0.28 | U | | P |
| 7440-23-5 | Sodium | 21700 | | | P |
| 7440-28-0 | Thallium | 0.24 | U | | P |
| 7440-62-2 | Vanadium | 8.9 | | | P |
| 7440-66-6 | Zinc | 1140 | | | P |
| | | | | | |
| | | | | | |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0280101 gb

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-03

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 44.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.04 | B | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0280201 gB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-04

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 45.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 2880 | | * | P |
| 7440-36-0 | Antimony | 0.71 | B | | P |
| 7440-38-2 | Arsenic | 7.6 | | | P |
| 7440-39-3 | Barium | 22.9 | | | P |
| 7440-41-7 | Beryllium | 0.07 | B | | P |
| 7440-43-9 | Cadmium | 3.6 | | | P |
| 7440-70-2 | Calcium | 278000 | | | P |
| 7440-47-3 | Chromium | 21.9 | | | P |
| 7440-48-4 | Cobalt | 3.4 | | | P |
| 7440-50-8 | Copper | 49.2 | | | P |
| 7439-89-6 | Iron | 50300 | | * | P |
| 7439-92-1 | Lead | 12.4 | | | P |
| 7439-95-4 | Magnesium | 12700 | | | P |
| 7439-96-5 | Manganese | 129 | | | P |
| 7440-02-0 | Nickel | 123 | | | P |
| 7440-09-7 | Potassium | 1360 | | | P |
| 7782-49-2 | Selenium | 5.6 | U | | P |
| 7440-22-4 | Silver | 0.28 | U | | P |
| 7440-23-5 | Sodium | 24900 | | | P |
| 7440-28-0 | Thallium | 0.23 | U | | P |
| 7440-62-2 | Vanadium | 8.9 | | | P |
| 7440-66-6 | Zinc | 2380 | | | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0280201 28

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-04

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 45.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury__ | 0.04 | B | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW028030 1gB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-05

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 40.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 3340 | | * | P |
| 7440-36-0 | Antimony | 2.5 | | | P |
| 7440-38-2 | Arsenic | 10.1 | | | P |
| 7440-39-3 | Barium | 213 | | | P |
| 7440-41-7 | Beryllium | 0.08 | B | | P |
| 7440-43-9 | Cadmium | 3.3 | | | P |
| 7440-70-2 | Calcium | 195000 | | | P |
| 7440-47-3 | Chromium | 79.6 | | | P |
| 7440-48-4 | Cobalt | 3.1 | | | P |
| 7440-50-8 | Copper | 107 | | | P |
| 7439-89-6 | Iron | 49400 | | * | P |
| 7439-92-1 | Lead | 37.9 | | | P |
| 7439-95-4 | Magnesium | 13300 | | | P |
| 7439-96-5 | Manganese | 168 | | | P |
| 7440-02-0 | Nickel | 57.7 | | | P |
| 7440-09-7 | Potassium | 1650 | | | P |
| 7782-49-2 | Selenium | 0.19 | U | | P |
| 7440-22-4 | Silver | 0.31 | U | | P |
| 7440-23-5 | Sodium | 29500 | | | P |
| 7440-28-0 | Thallium | 0.26 | U | | P |
| 7440-62-2 | Vanadium | 12.6 | | | P |
| 7440-66-6 | Zinc | 2280 | | | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0280301 gB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-05

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 40.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.09 | | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0280401 SB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-06

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 51.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 3480 | | * | P |
| 7440-36-0 | Antimony | 0.56 | B | | P |
| 7440-38-2 | Arsenic | 2.3 | | | P |
| 7440-39-3 | Barium | 13.6 | | | P |
| 7440-41-7 | Beryllium | 0.08 | B | | P |
| 7440-43-9 | Cadmium | 0.82 | | | P |
| 7440-70-2 | Calcium | 311000 | | | P |
| 7440-47-3 | Chromium | 25.6 | | | P |
| 7440-48-4 | Cobalt | 0.86 | B | | P |
| 7440-50-8 | Copper | 22.2 | | | P |
| 7439-89-6 | Iron | 6500 | | * | P |
| 7439-92-1 | Lead | 9.6 | | | P |
| 7439-95-4 | Magnesium | 16100 | | | P |
| 7439-96-5 | Manganese | 46.8 | | | P |
| 7440-02-0 | Nickel | 13.6 | | | P |
| 7440-09-7 | Potassium | 1300 | | | P |
| 7782-49-2 | Selenium | 0.15 | U | | P |
| 7440-22-4 | Silver | 0.25 | U | | P |
| 7440-23-5 | Sodium | 19300 | | | P |
| 7440-28-0 | Thallium | 0.21 | U | | P |
| 7440-62-2 | Vanadium | 8.1 | | | P |
| 7440-66-6 | Zinc | 210 | | | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0280401 gB

Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-06

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 51.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.03 | U | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02805 01 8B

Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-07

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 51.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 2990 | | * | P |
| 7440-36-0 | Antimony | 0.43 | B | | P |
| 7440-38-2 | Arsenic | 2.6 | | | P |
| 7440-39-3 | Barium | 13.4 | | | P |
| 7440-41-7 | Beryllium | 0.07 | B | | P |
| 7440-43-9 | Cadmium | 1.0 | | | P |
| 7440-70-2 | Calcium | 287000 | | | P |
| 7440-47-3 | Chromium | 9.1 | | | P |
| 7440-48-4 | Cobalt | 0.97 | B | | P |
| 7440-50-8 | Copper | 29.4 | | | P |
| 7439-89-6 | Iron | 9310 | | * | P |
| 7439-92-1 | Lead | 12.9 | | | P |
| 7439-95-4 | Magnesium | 13900 | | | P |
| 7439-96-5 | Manganese | 45.4 | | | P |
| 7440-02-0 | Nickel | 7.9 | | | P |
| 7440-09-7 | Potassium | 1210 | | | P |
| 7782-49-2 | Selenium | 0.15 | U | | P |
| 7440-22-4 | Silver | 0.25 | U | | P |
| 7440-23-5 | Sodium | 18500 | | | P |
| 7440-28-0 | Thallium | 0.21 | U | | P |
| 7440-62-2 | Vanadium | 7.7 | | | P |
| 7440-66-6 | Zinc | 241 | | | P |
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Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02805 01 gB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62449S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602449-07

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: 51.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.03 | B | | AV |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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PACE INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Mr. Randall Veal
ge 2

September 07, 1995
PACE Project Number: 250801513

Client Reference: Key West Naval Air Station

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0664117 | |
| Date Collected: | | | 08/04/95 | |
| Time Collected: | | | 16:30 | |
| Date Received: | | | 08/07/95 | |
| Client Sample ID: | | | AOCB | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 9073 - TRPH | | | | |
| Date Extracted | | | 08/11/95 | |
| TRPH - 9073 | mg/kg | 5 | 95 | 08/14/95 |
| BTEX - 8020 VOLATILE AROMATICS | | | | |
| Surrogate Recovery - 8020 | % | | 94 | 08/11/95 |
| Benzene | ug/kg | 5.0 | ND | 08/11/95 |
| Toluene | ug/kg | 5.0 | ND | 08/11/95 |
| Ethylbenzene | ug/kg | 5.0 | ND | 08/11/95 |
| Xylenes, Total | ug/kg | 5.0 | ND | 08/11/95 |
| Total VOA | ug/kg | 5.0 | ND | 08/11/95 |



5460 Beaumont Center Blvd.
Tampa, FL 33634
**TEL: 813-884-8268**
FAX: 813-888-6382

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pace INCORPORATED
ENVIRONMENTAL LABORATORIES

# REPORT OF LABORATORY ANALYSIS

Randall Veal
Page 5

September 07, 1995
PACE Project Number: 250801513

Client Reference: Key West Naval Air Station

| | | | | |
|---|---|---|---|---|
| PACE Sample Number: | | | 90 0664125 | |
| Date Collected: | | | 08/04/95 | |
| Time Collected: | | | 16:30 | |
| Date Received: | | | 08/07/95 | |
| Client Sample ID: | | | AOCB | |
| Parameter | Units | PRL | LEACHATE (1) | DATE ANALYZED |
| INORGANIC ANALYSIS | | | | |
| TCLP METALS | | | | |
| Arsenic - TCLP | mg/L | 0.5 | ND | 08/14/95 |
| Barium - TCLP | mg/L | 0.3 | 1.3 | 08/14/95 |
| Cadmium - TCLP | mg/L | 0.01 | 0.02 | 08/14/95 |
| Chromium - TCLP | mg/L | 0.05 | ND | 08/14/95 |
| Lead - TCLP | mg/L | 0.1 | ND | 08/14/95 |
| Mercury - TCLP | ug/L | 20 | ND | 08/11/95 |
| Selenium - TCLP | mg/L | 0.5 | ND | 08/14/95 |
| Silver - TCLP | mg/L | 0.02 | ND | 08/14/95 |
| Date Digested - Mercury | | | ND | 08/10/95 |


5460 Beaumont Center Blvd.
Tampa, FL 33634
TEL: 813-884-8268
FAX: 813-888-6382

**SWMU-1**
**Confirmation Sample ID / Location**
**Cross Reference Index**

| Sample ID | Station ID | Depth | Parameters | Comments |
|---|---|---|---|---|
| 2807 | T21 | 0-6" | LEAD | |
| 2808 | T22 | 0-6" | LEAD | |
| 2809 | T21 | 0-6" | LEAD | |
| 2810 | S22 | 0-6" | LEAD | |
| 2811 | R22 | 0-6" | LEAD | |
| 2812 | P22 | 0-6" | LEAD | |
| 2813 | M23 | 0-6" | LEAD | |
| 2814 | K23 | 0-6" | LEAD | |
| 2815 | S20 | 0-6" | LEAD | |
| 2816 | R19 | 0-6" | LEAD | |
| 2817 | P18 | 0-6" | LEAD | |
| 2818 | P19 | 0-6" | LEAD | Bottom Sample |
| 2820 | I22 | 0-6" | LEAD | |
| 2821 | I22 | 0-6" | LEAD | Duplicate of 2820 |
| 2822 | G21 | 0-6" | LEAD | |
| 2823 | F20 | 0-6" | LEAD | |
| 2824 | J18 | 0-6" | TAL VOCs, TAL SVOCs, PCBs, Full TCLP | Sample of Tar-like Substance |
| 2825 | J18 | 0-6" | TAL VOCs, TAL SVOCs, | Sample of discolored surface water |
| 2826 | E19 | 0-6" | LEAD | |
| 2827 | E18 | 0-6" | LEAD | |
| 2828 | F17 | 0-6" | LEAD | |
| 2829 | G15 | 0-6" | LEAD | |
| 2830 | M18 | 0-6" | LEAD | |
| 2831 | M18 | 0-6" | LEAD | Duplicate of 2830 |
| 2832 | L17 | 0-6" | LEAD | |
| 2833 | K15 | 0-6" | LEAD | |
| 2834 | J15 | 0-6" | LEAD | |
| 2835 | I15 | 0-6" | LEAD | |
| 2836 | H15 | 0-6" | LEAD | |
| 2838 | I17 | 0-6" | LEAD | Bottom Sample |
| 2839 | J14 | 0-6" | LEAD | Sample collected outside of excavation per EPA |
| 2840 | | 0-6" | LEAD | |
| 2841 | S19 | 0-6" | LEAD | |
| 2842 | I15 | 0-6" | LEAD | Sample collected outside of excavation per EPA |

22567-321-0001-0179-002-01

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02807

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-01

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 87.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 129 | | EN | P | J |

WZW 3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02808

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-02

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 82.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 61.0 | | EN | P | J |

WZW
3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02809

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-03

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 82.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3.1 | | EN | P | J |

WTW 3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02810

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-04

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 90.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 7.7 | | EN | P | J |

WW 3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02811

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-05

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 88.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 15.1 | | EN | P | J |

WRW 3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02812

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-06

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 88.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 147 | | EN | P | J |

WCW 3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02813

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-07

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 89.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 30.6 | | EN | P | J |

WRW
3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02814

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-08

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 78.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 17.5 | | EN | P | J |

WLW 3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02815

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-09

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 78.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 10.3 | | EN | P | J |

WZW 3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02816

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-10

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 77.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2430 | | EN | P | J |

WW 3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02817

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62544S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602544-11

Level (low/med): LOW__ Date Received: 02/28/96

% Solids: 65.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M | REV QUAL |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 10 | | EN | P | J |

WRW 3/27/96

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP 22567-321-0001-0183-002-01

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02818

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63078S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603078-01

Level (low/med): LOW__ Date Received: 03/06/96

% Solids: 61.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 20.1 | | | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

22567-321-0001-0187-002-01

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0282002

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63135S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603135-01

Level (low/med): LOW__ Date Received: 03/08/96

% Solids: 81.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 9.5 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0282101

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63135S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603135-02

Level (low/med): LOW__ Date Received: 03/08/96

% Solids: 81.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 8.7 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

006

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0282201

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63135S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603135-03

Level (low/med): LOW__ Date Received: 03/08/96

% Solids: 85.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2.8 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0282301

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63135S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603135-04

Level (low/med): LOW__ Date Received: 03/08/96

% Solids: 80.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 97.0 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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Mr. Randall Veal
Page 6

March 28, 1996
Core Project Number: 260229512

Client Reference: NAS Key West SWMU-1

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0758553 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| Client Sample ID: | | | SWMU-1 SPS | KW02824 |
| Parameter | Units | PRL | | DATE ANALYZED |
| INORGANIC ANALYSIS | | | | |
| INDIVIDUAL PARAMETERS | | | | |
| TCLP - Metals/Organic Extraction | | | 0758561 | 02/29/96 |
| ORGANIC ANALYSIS | | | | |
| GC/MS VOLATILE ORGANICS - 8240 | | | (4) | |
| Chloromethane | ug/kg | 2000 | ND | 03/07/96 |
| Bromomethane | ug/kg | 2000 | ND | 03/07/96 |
| Vinyl Chloride | ug/kg | 2000 | ND | 03/07/96 |
| Chloroethane | ug/kg | 2000 | ND | 03/07/96 |
| Methylene Chloride | ug/kg | 1000 | ND | 03/07/96 |
| Acetone | ug/kg | 10000 | ND | 03/07/96 |
| Carbon disulfide | ug/kg | 10000 | ND | 03/07/96 |
| Methyl Tert-Butyl Ether | ug/kg | 1000 | ND | 03/07/96 |
| 1,1-Dichloroethylene | ug/kg | 1000 | ND | 03/07/96 |
| 1,1-Dichloroethane | ug/kg | 1000 | ND | 03/07/96 |
| Trans-1,2-Dichloroethylene | ug/kg | 1000 | ND | 03/07/96 |
| Chloroform | ug/kg | 1000 | ND | 03/07/96 |
| 1,2-Dichloroethane | ug/kg | 600 | ND | 03/07/96 |
| 2-Butanone (MEK) | ug/kg | 10000 | ND | 03/07/96 |
| cis-1,2-Dichloroethene | ug/kg | 1000 | ND | 03/07/96 |
| 1,1,1-Trichloroethane | ug/kg | 1000 | ND | 03/07/96 |
| Carbon Tetrachloride | ug/kg | 1000 | ND | 03/07/96 |
| Vinyl acetate | ug/kg | 10000 | ND | 03/07/96 |
| Bromodichloromethane | ug/kg | 1000 | ND | 03/07/96 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 1000 | ND | 03/07/96 |
| 1,2-Dichloropropane | ug/kg | 1000 | ND | 03/07/96 |
| Trans-1,3,-Dichloropropene | ug/kg | 1000 | ND | 03/07/96 |
| Trichloroethylene | ug/kg | 1000 | ND | 03/07/96 |
| Dibromochloromethane | ug/kg | 1000 | ND | 03/07/96 |
| 1,1,2-Trichloroethane | ug/kg | 1000 | ND | 03/07/96 |
| Benzene | ug/kg | 200 | 300 | 03/07/96 |
| cis-1,3-Dichloropropene | ug/kg | 1000 | ND | 03/07/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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March 28, 1996
Core Project Number: 260229512

Client Reference: NAS Key West SWMU-1

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0758553 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| Client Sample ID: | | | SWMU-1 SPS | KW02824 |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| GC/MS VOLATILE ORGANICS - 8240 | | | (4) | |
| 2-Chloroethylvinyl Ether | ug/kg | 2000 | ND | 03/07/96 |
| Bromoform | ug/kg | 1000 | ND | 03/07/96 |
| 2-Hexanone | ug/kg | 10000 | ND | 03/07/96 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | 10000 | ND | 03/07/96 |
| Tetrachloroethylene | ug/kg | 1000 | ND | 03/07/96 |
| Toluene | ug/kg | 1000 | 1800 | 03/07/96 |
| Chlorobenzene | ug/kg | 1000 | ND | 03/07/96 |
| Ethyl Benzene | ug/kg | 1000 | 2400 | 03/07/96 |
| tyrene | ug/kg | 1000 | ND | 03/07/96 |
| Xylenes, (total) | ug/kg | 1000 | 16000 | 03/07/96 |
| 1,2-Dichloroethane-d4 - Surrogate | % | | 94 | 03/07/96 |
| Toluene-d8 - Surrogate | % | | 98 | 03/07/96 |
| Bromofluorobenzene - Surrogate | % | | 96 | 03/07/96 |
| 8270 SEMIVOLATILE ORGANIC COMPOUNDS | | | | |
| Date Extracted | | | 03/04/96 | |
| Acenaphthene | ug/kg | 33000 | 41000 | 03/09/96 |
| Acenaphthylene | ug/kg | 33000 | 60000 | 03/09/96 |
| Anthracene | ug/kg | 33000 | 66000 | 03/09/96 |
| Benzoic Acid | ug/kg | 33000 | ND | 03/09/96 |
| Benzo(a)anthracene | ug/kg | 33000 | 61000 | 03/09/96 |
| Benzo(a)pyrene | ug/kg | 33000 | 52000 | 03/09/96 |
| Benzo(b)fluoranthene | ug/kg | 33000 | 70000 | 03/09/96 |
| Benzo(k)fluoranthene | ug/kg | 33000 | 94000 | 03/09/96 |
| Benzo(g,h,i)perylene | ug/kg | 33000 | 34000 | 03/09/96 |
| Benzyl Alcohol | ug/kg | 33000 | ND | 03/09/96 |
| 4-Bromophenyl phenyl ether | ug/kg | 33000 | ND | 03/09/96 |
| Butyl benzyl phthalate | ug/kg | 33000 | ND | 03/09/96 |
| Bis(2-ethyl hexyl)phthalate | ug/kg | 33000 | ND | 03/09/96 |
| Bis(2-chloroethoxy)methane | ug/kg | 33000 | ND | 03/09/96 |
| Bis(2-chloroethyl)ether | ug/kg | 33000 | ND | 03/09/96 |
| Bis(2-chloroisopropyl)ether | ug/kg | 33000 | ND | 03/09/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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March 28, 1996
Core Project Number: 260229512

Client Reference: NAS Key West SWMU-1

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0758553 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| Client Sample ID: | | | SWMU-1 SPS KW02824 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8270 SEMIVOLATILE ORGANIC COMPOUNDS | | | | |
| 2-Chloronaphthalene | ug/kg | 33000 | ND | 03/09/96 |
| 4-Chloroaniline | ug/kg | 33000 | ND | 03/09/96 |
| 4-Chlorophenyl phenyl ether | ug/kg | 33000 | ND | 03/09/96 |
| Chrysene | ug/kg | 33000 | ND | 03/09/96 |
| Dibenzo(a,h)anthracene | ug/kg | 33000 | ND | 03/09/96 |
| 1,2-Dichlorobenzene | ug/kg | 33000 | ND | 03/09/96 |
| 1,3-Dichlorobenzene | ug/kg | 33000 | ND | 03/09/96 |
| 1,4-Dichlorobenzene | ug/kg | 33000 | ND | 03/09/96 |
| ,3-Dichlorobenzidine | ug/kg | 33000 | ND | 03/09/96 |
| ibenzofuran | ug/kg | 33000 | ND | 03/09/96 |
| Diethyl phthalate | ug/kg | 33000 | ND | 03/09/96 |
| Dimethyl phthalate | ug/kg | 33000 | ND | 03/09/96 |
| Di-n-butyl phthalate | ug/kg | 33000 | ND | 03/09/96 |
| 2,4-Dinitrotoluene | ug/kg | 33000 | ND | 03/09/96 |
| 2,6-Dinitrotoluene | ug/kg | 33000 | ND | 03/09/96 |
| Di-n-octyl phthalate | ug/kg | 33000 | ND | 03/09/96 |
| Fluoranthene | ug/kg | 33000 | 150000 | 03/09/96 |
| Fluorene | ug/kg | 33000 | ND | 03/09/96 |
| Hexachlorocyclopentadiene | ug/kg | 33000 | ND | 03/09/96 |
| Hexachlorobenzene | ug/kg | 33000 | ND | 03/09/96 |
| Hexachlorobutadiene | ug/kg | 33000 | ND | 03/09/96 |
| Hexachloroethane | ug/kg | 33000 | ND | 03/09/96 |
| Indeno(1,2,3-c,d)pyrene | ug/kg | 33000 | ND | 03/09/96 |
| Isophorone | ug/kg | 33000 | ND | 03/09/96 |
| 2-Methylnaphthalene | ug/kg | 33000 | 390000 | 03/09/96 |
| Naphthalene | ug/kg | 33000 | 450000 | 03/09/96 |
| 2-Nitroaniline | ug/kg | 33000 | ND | 03/09/96 |
| 3-Nitroaniline | ug/kg | 33000 | ND | 03/09/96 |
| 4-Nitroaniline | ug/kg | 33000 | ND | 03/09/96 |
| Nitrobenzene | ug/kg | 33000 | ND | 03/09/96 |
| .-Nitrosodi-n-propylamine | ug/kg | 33000 | ND | 03/09/96 |

Florida DEP CompQAP # 870529G · Lab Certification Florida Environmental HRS # E84003 · Florida SDWA HRS # 84125

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March 28, 1996
Core Project Number: 260229512

Client Reference: NAS Key West SWMU-1

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0758553 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| Client Sample ID: | | | SWMU-1 SPS KW02824 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8270 SEMIVOLATILE ORGANIC COMPOUNDS | | | | |
| N-Nitrosodiphenylamine | ug/kg | 33000 | ND | 03/09/96 |
| Phenanthrene | ug/kg | 33000 | 390000 | 03/09/96 |
| Pyrene | ug/kg | 33000 | 270000 | 03/09/96 |
| 1,2,4-Trichlorobenzene | ug/kg | 33000 | ND | 03/09/96 |
| 2-Chlorophenol | ug/kg | 33000 | ND | 03/09/96 |
| 2-Methylphenol | ug/kg | 33000 | ND | 03/09/96 |
| 4-Chloro-3-methylphenol | ug/kg | 33000 | ND | 03/09/96 |
| 4-Methylphenol | ug/kg | 33000 | ND | 03/09/96 |
| ,4-Dichlorophenol | ug/kg | 33000 | ND | 03/09/96 |
| 2,4-Dimethylphenol | ug/kg | 33000 | ND | 03/09/96 |
| 2,4-Dinitrophenol | ug/kg | 33000 | ND | 03/09/96 |
| 2-Methyl-4,6-Dinitrophenol | ug/kg | 33000 | ND | 03/09/96 |
| 2-Nitrophenol | ug/kg | 33000 | ND | 03/09/96 |
| 4-Nitrophenol | ug/kg | 33000 | ND | 03/09/96 |
| Pentachlorophenol | ug/kg | 33000 | ND | 03/09/96 |
| Phenol | ug/kg | 33000 | ND | 03/09/96 |
| 2,4,5-Trichlorophenol | ug/kg | 33000 | ND | 03/09/96 |
| 2,4,6-Trichlorophenol | ug/kg | 33000 | ND | 03/09/96 |
| Phenol-d6 - Surrogate | % | | ND (5) | 03/09/96 |
| 2-Fluorophenol - Surrogate | % | | ND (5) | 03/09/96 |
| Nitrobenzene-d5 - Surrogate | % | | ND (5) | 03/09/96 |
| 2-Fluorobiphenyl - Surrogate | % | | ND (5) | 03/09/96 |
| 2,4,6-Tribromophenol - Surrogate | % | | ND (5) | 03/09/96 |
| Terphenyl-d14 - Surrogate | % | | ND (5) | 03/09/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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Mr. Randall Veal
Page 10

March 28, 1996
Core Project Number: 260229512

Client Reference: NAS Key West SWMU-1

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0758561 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| Client Sample ID: | | | SWMU-1 SPS | KW 02824 |
| Parameter | Units | PRL | Leachate (6) | DATE ANALYZED |
| INORGANIC ANALYSIS | | | | |
| TCLP METALS | | | | |
| Arsenic - TCLP | mg/L | 0.5 | ND | 03/06/96 |
| Barium - TCLP | mg/L | 0.3 | 0.9 | 03/06/96 |
| Cadmium - TCLP | mg/L | 0.01 | 0.03 | 03/06/96 |
| Chromium - TCLP | mg/L | 0.05 | ND | 03/06/96 |
| Lead - TCLP | mg/L | 0.1 | 0.2 | 03/06/96 |
| Mercury - TCLP | ug/L | 20 | ND | 03/05/96 |
| Selenium - TCLP | mg/L | 0.5 | ND | 03/06/96 |
| Silver - TCLP | mg/L | 0.02 | ND | 03/06/96 |
| te Digested - Mercury | | | 03/05/96 | |
| ORGANIC ANALYSIS | | | | |
| TCLP CHLOROPHENOXYS | | | | |
| Date Extracted - 3550 | | | 03/05/96 | |
| 2,4-D | ug/L | 5.5 | ND | 03/06/96 |
| Silvex | ug/L | 0.50 | ND | 03/06/96 |
| 2,4-Dichlorophenylacetic acid-Surrogate | % | 5.0 | 85 | 03/06/96 |
| TCLP - GC/MS VOLATILE ORGANIC COMPOUNDS | | | | |
| TCLP - Vinyl Chloride | ug/L | 100 | ND | 03/06/96 |
| TCLP - 1,1-Dichloroethene | ug/L | 50 | ND | 03/06/96 |
| TCLP - 2-Butanone (MEK) | ug/L | 100 | ND | 03/06/96 |
| TCLP - Chloroform | ug/L | 50 | ND | 03/06/96 |
| TCLP - Carbon Tetrachloride | ug/L | 50 | ND | 03/06/96 |
| TCLP - Benzene | ug/L | 50 | ND | 03/06/96 |
| TCLP - 1,2-Dichloroethane | ug/L | 50 | ND | 03/06/96 |
| TCLP - Trichloroethene | ug/L | 50 | ND | 03/06/96 |
| TCLP - Tetrachloroethene | ug/L | 50 | ND | 03/06/96 |
| TCLP - Chlorobenzene | ug/L | 50 | ND | 03/06/96 |
| TCLP - 1,4-Dichlorobenzene | ug/L | 50 | ND | 03/06/96 |
| TCLP PESTICIDES | | | | |
| te Extracted - 608 | | | 03/01/96 | |
| 3HC (Lindane) | ug/L | 0.25 | ND | 03/06/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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March 28, 1996
Core Project Number: 260229512

Client Reference: NAS Key West SWMU-1

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0758561 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| Client Sample ID: | | | SWMU-1 SPS | KW02824 |
| Parameter | Units | PRL | Leachate (6) | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| TCLP PESTICIDES | | | | |
| Endrin | ug/L | 0.50 | ND | 03/06/96 |
| Methoxychlor | ug/L | 2.5 | ND | 03/06/96 |
| Toxaphene | ug/L | 15 | ND | 03/06/96 |
| Chlordane | ug/L | 5.0 | ND | 03/06/96 |
| Heptachlor | ug/L | 0.25 | ND | 03/06/96 |
| Heptachlor epoxide | ug/L | 0.25 | ND | 03/06/96 |
| TCLP BASE/NEUTRAL EXTRACTABLES | | | (7) | |
| Date Extracted | | | 03/01/96 | |
| 4-Dinitrotoluene | ug/L | 50 | ND | 03/08/96 |
| Hexachlorobenzene | ug/L | 50 | ND | 03/08/96 |
| Hexachlorobutadiene | ug/L | 50 | ND | 03/08/96 |
| Hexachloroethane | ug/L | 50 | ND | 03/08/96 |
| Nitrobenzene | ug/L | 50 | ND | 03/08/96 |
| Pyridine | ug/L | 50 | ND | 03/08/96 |
| TCLP ACID EXTRACTABLES | | | | |
| Date Extracted | | | 03/01/96 | |
| o-Cresol | ug/L | 50 | ND | 03/08/96 |
| m-Cresol | ug/L | 50 | ND | 03/08/96 |
| p-Cresol | ug/L | 50 | ND | 03/08/96 |
| Cresols, Total | ug/L | 50 | ND | 03/08/96 |
| Pentachlorophenol | ug/L | 50 | ND | 03/08/96 |
| 2,4,5-Trichlorophenol | ug/L | 50 | ND | 03/08/96 |
| 2,4,6-Trichlorophenol | ug/L | 50 | ND | 03/08/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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Associated Environmental Services, Inc.
411 West 25th Street
Chattanooga, TN 37408-2802

March 28, 1996
Core Project Number: 260229512

Attn: Mr. Randall Veal

Sample ID KW02825



Client Reference: NAS Key West SWMU-1

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0758570 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| | | | SWMU-1 SPW | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8240 VOLATILE ORGANIC COMPOUNDS | | | | |
| Acetone | ug/L | 50 | ND | 03/04/96 |
| Benzene | ug/L | 1.0 | ND | 03/04/96 |
| Bromodichloromethane | ug/L | 5.0 | ND | 03/04/96 |
| Bromoform | ug/L | 5.0 | ND | 03/04/96 |
| romomethane | ug/L | 10 | ND | 03/04/96 |
| 2-Butanone (MEK) | ug/L | 50 | ND | 03/04/96 |
| Carbon Disulfide | ug/L | 10 | ND | 03/04/96 |
| Carbon Tetrachloride | ug/L | 5.0 | ND | 03/04/96 |
| Chlorobenzene | ug/L | 5.0 | ND | 03/04/96 |
| Chloroethane | ug/L | 5.0 | ND | 03/04/96 |
| 2-Chloroethylvinyl ether | ug/L | 10 | ND | 03/04/96 |
| Chloroform | ug/L | 5.0 | ND | 03/04/96 |
| Chloromethane | ug/L | 10 | ND | 03/04/96 |
| Dibromochloromethane | ug/L | 5.0 | ND | 03/04/96 |
| cis-1,2-Dichloroethene | ug/L | 5.0 | ND | 03/04/96 |
| 1,1-Dichloroethane | ug/L | 5.0 | ND | 03/04/96 |
| 1,2-Dichloroethane | ug/L | 3.0 | ND | 03/04/96 |
| 1,1-Dichloroethylene | ug/L | 5.0 | ND | 03/04/96 |
| trans-1,2-Dichloroethylene | ug/L | 5.0 | ND | 03/04/96 |
| 1,2-Dichloropropane | ug/L | 5.0 | ND | 03/04/96 |
| cis-1,3-Dichloropropene | ug/L | 5.0 | ND | 03/04/96 |
| trans-1,3-Dichloropropene | ug/L | 5.0 | ND | 03/04/96 |
| Ethylbenzene | ug/L | 5.0 | 20 | 03/04/96 |
| 2-Hexanone | ug/L | 50 | ND | 03/04/96 |
| Methylene Chloride | ug/L | 5.0 | ND | 03/04/96 |
| ethyl Tert-Butyl Ether | ug/L | 5.0 | ND | 03/04/96 |
| -Methyl-2-Pentanone (MIBK) | ug/L | 50 | ND | 03/04/96 |
| 1,1,2,2-Tetrachloroethane | ug/L | 5.0 | ND | 03/04/96 |
| Tetrachloroethylene | ug/L | 5.0 | ND | 03/04/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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March 28, 1996
Core Project Number: 260229512

Client Reference: NAS Key West SWMU-1

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|---|---|---|---|---|
| Core Sample Number: | | | 90 0758570 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| Client Sample ID: | | | SWMU-1 SPW (KW02825) | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8240 VOLATILE ORGANIC COMPOUNDS | | | | |
| Toluene | ug/L | 5.0 | ND | 03/04/96 |
| 1,1,1-Trichloroethane | ug/L | 5.0 | ND | 03/04/96 |
| 1,1,2-Trichloroethane | ug/L | 5.0 | ND | 03/04/96 |
| Trichloroethylene | ug/L | 5.0 | ND | 03/04/96 |
| Vinyl Acetate | ug/L | 50 | ND | 03/04/96 |
| Vinyl Chloride | ug/L | 10 | ND | 03/04/96 |
| Xylenes, total | ug/L | 5.0 | 79 | 03/04/96 |
| 1,2-Dichloroethane-d4 - Surrogate | % | | 100 | 03/04/96 |
| luene-d8 - Surrogate | % | | 101 | 03/04/96 |
| Bromofluorobenzene - Surrogate | % | | 100 | 03/04/96 |
| Styrene | ug/L | 5.0 | ND | 03/04/96 |
| 8270 SEMIVOLATILE ORGANIC COMPOUNDS | | | | |
| Date Extracted | | | 03/01/96 | |
| Acenaphthene | ug/L | 10 | ND | 03/12/96 |
| Acenaphthylene | ug/L | 10 | 11 | 03/12/96 |
| Anthracene | ug/L | 10 | 13 | 03/12/96 |
| Benzoic Acid | ug/L | 10 | ND | 03/12/96 |
| Benzo(a)anthracene | ug/L | 10 | 20 | 03/12/96 |
| Benzo(a)pyrene | ug/L | 10 | 13 | 03/12/96 |
| Benzo(b)fluoranthene | ug/L | 10 | ND | 03/12/96 |
| Benzo(k)fluoranthene | ug/L | 10 | ND | 03/12/96 |
| Benzo(g,h,i)perylene | ug/L | 10 | ND | 03/12/96 |
| Benzyl Alcohol | ug/L | 10 | ND | 03/12/96 |
| 4-Bromophenyl phenyl ether | ug/L | 10 | ND | 03/12/96 |
| Butyl benzyl phthalate | ug/L | 10 | 16 | 03/12/96 |
| Bis(2-ethyl hexyl)phthalate | ug/L | 10 | 16 | 03/12/96 |
| Bis(2-chloroethoxy)methane | ug/L | 10 | ND | 03/12/96 |
| Bis(2-chloroethyl)ether | ug/L | 10 | ND | 03/12/96 |
| Bis(2-chloroisopropyl)ether | ug/L | 10 | ND | 03/12/96 |
| 2-Chloronaphthalene | ug/L | 10 | ND | 03/12/96 |
| .-Chloroaniline | ug/L | 10 | ND | 03/12/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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March 28, 1996
Core Project Number: 260229512

Client Reference: NAS Key West SWMU-1

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|---|---|---|---|---|
| Core Sample Number: | | | 90 0758570 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| Client Sample ID: | | | SWMU-1 SPW KW 02825 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8270 SEMIVOLATILE ORGANIC COMPOUNDS | | | | |
| 4-Chlorophenyl phenyl ether | ug/L | 10 | ND | 03/12/96 |
| Chrysene | ug/L | 10 | 19 | 03/12/96 |
| Dibenzo(a,h)anthracene | ug/L | 10 | ND | 03/12/96 |
| 1,2-Dichlorobenzene | ug/L | 10 | ND | 03/12/96 |
| 1,3-Dichlorobenzene | ug/L | 10 | ND | 03/12/96 |
| 1,4-Dichlorobenzene | ug/L | 10 | ND | 03/12/96 |
| 3,3-Dichlorobenzidine | ug/L | 10 | ND | 03/12/96 |
| Dibenzofuran | ug/L | 10 | ND | 03/12/96 |
| iethyl phthalate | ug/L | 10 | ND | 03/12/96 |
| Dimethyl phthalate | ug/L | 10 | ND | 03/12/96 |
| Di-n-butyl phthalate | ug/L | 10 | ND | 03/12/96 |
| 2,4-Dinitrotoluene | ug/L | 10 | ND | 03/12/96 |
| 2,6-Dinitrotoluene | ug/L | 10 | ND | 03/12/96 |
| Di-n-octyl phthalate | ug/L | 10 | ND | 03/12/96 |
| Fluoranthene | ug/L | 10 | 35 | 03/12/96 |
| Fluorene | ug/L | 10 | ND | 03/12/96 |
| Hexachlorocyclopentadiene | ug/L | 10 | ND | 03/12/96 |
| Hexachlorobenzene | ug/L | 10 | ND | 03/12/96 |
| Hexachlorobutadiene | ug/L | 10 | ND | 03/12/96 |
| Hexachloroethane | ug/L | 10 | ND | 03/12/96 |
| Indeno(1,2,3-c,d)pyrene | ug/L | 10 | ND | 03/12/96 |
| Isophorone | ug/L | 10 | ND | 03/12/96 |
| 2-Methylnaphthalene | ug/L | 10 | 20 | 03/12/96 |
| Naphthalene | ug/L | 10 | 17 | 03/12/96 |
| 2-Nitroaniline | ug/L | 10 | ND | 03/12/96 |
| 3-Nitroaniline | ug/L | 10 | ND | 03/12/96 |
| 4-Nitroaniline | ug/L | 10 | ND | 03/12/96 |
| Nitrobenzene | ug/L | 10 | ND | 03/12/96 |
| N-Nitrosodi-n-propylamine | ug/L | 10 | ND | 03/12/96 |
| N-Nitrosodiphenylamine | ug/L | 10 | ND | 03/12/96 |
| henanthrene | ug/L | 10 | 120 | 03/12/96 |

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Mr. Randall Veal
Page 5

March 28, 1996
Core Project Number: 260229512

Client Reference: NAS Key West SWMU-1

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|---|---|---|---|---|
| Core Sample Number: | | | 90 0758570 | |
| Date Collected: | | | 02/28/96 | |
| Date Received: | | | 02/29/96 | |
| Client Sample ID: | | | SWMU-1 SPW KW028625 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8270 SEMIVOLATILE ORGANIC COMPOUNDS | | | | |
| Pyrene | ug/L | 10 | 91 | 03/12/96 |
| 1,2,4-Trichlorobenzene | ug/L | 10 | ND | 03/12/96 |
| 2-Chlorophenol | ug/L | 10 | ND | 03/12/96 |
| 2-Methylphenol | ug/L | 10 | ND | 03/12/96 |
| 4-Chloro-3-methylphenol | ug/L | 10 | ND | 03/12/96 |
| 4-Methylphenol | ug/L | 10 | ND | 03/12/96 |
| 2,4-Dichlorophenol | ug/L | 10 | ND | 03/12/96 |
| 2,4-Dimethylphenol | ug/L | 10 | ND | 03/12/96 |
| 4-Dinitrophenol | ug/L | 10 | ND | 03/12/96 |
| 4-Methyl-4,6-Dinitrophenol | ug/L | 10 | ND | 03/12/96 |
| 2-Nitrophenol | ug/L | 10 | ND | 03/12/96 |
| 4-Nitrophenol | ug/L | 10 | ND | 03/12/96 |
| Pentachlorophenol | ug/L | 10 | ND | 03/12/96 |
| Phenol | ug/L | 10 | ND | 03/12/96 |
| 2,4,5-Trichlorophenol | ug/L | 10 | ND | 03/12/96 |
| 2,4,6-Trichlorophenol | ug/L | 10 | ND | 03/12/96 |
| Phenol-d6 - Surrogate | % | | 29 | 03/12/96 |
| 2-Fluorophenol - Surrogate | % | | 36 | 03/12/96 |
| Nitrobenzene-d5 - Surrogate | % | | 3.8 (1) | 03/12/96 |
| 2-Fluorobiphenyl - Surrogate | % | | 5.6 (2) | 03/12/96 |
| 2,4,6-Tribromophenol - Surrogate | % | | 20 | 03/12/96 |
| Terphenyl-d14 - Surrogate | % | | 8.7 (3) | 03/12/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW028260l

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63135S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603135-05

Level (low/med): LOW__ Date Received: 03/08/96

% Solids: 68.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 53.7 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW028270/

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63135S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603135-06

Level (low/med): LOW__ Date Received: 03/08/96

% Solids: 62.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 124 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02828o1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63135S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603135-07

Level (low/med): LOW__ Date Received: 03/08/96

% Solids: 29.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 105 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0282901

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63135S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603135-08

Level (low/med): LOW__ Date Received: 03/08/96

% Solids: 34.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 55.0 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 22567-321-0001-0186-002-01

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0283001 gB

Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63162S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603162-01

Level (low/med): LOW__ Date Received: 03/11/96

% Solids: 82.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 225 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW028310/

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63162S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603162-02

Level (low/med): LOW__ Date Received: 03/11/96

% Solids: 82.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 246 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0283201 yb

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63162S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603162-03

Level (low/med): LOW__ Date Received: 03/11/96

% Solids: 81.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 436 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0283301 JB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63162S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603162-04

Level (low/med): LOW__ Date Received: 03/11/96

% Solids: 84.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 131 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0283401 JB

Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63162S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603162-05

Level (low/med): LOW__ Date Received: 03/11/96

% Solids: 69.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3.4 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0283501

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63162S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603162-06

Level (low/med): LOW__ Date Received: 03/11/96

% Solids: 20.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 407 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02836 01 gB

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63162S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603162-07

Level (low/med): LOW__ Date Received: 03/11/96

% Solids: 13.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 193 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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22567-321-0001-0191-002-01

U.S. EPA - CLP

1

# INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02838

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 63307S

Matrix (soil/water): SOIL_ Lab Sample ID: 9603307-01

Level (low/med): LOW__ Date Received: 03/19/96

% Solids: 47.00

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 10.8 | | E | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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22567-321-0001-0196-002-01

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0283901 gB 04/18/96

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: KW0283

Matrix (soil/water): SOIL_ Lab Sample ID: 9603509-04

Level (low/med): LOW__ Date Received: 03/29/96

% Solids: _33.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 12.1 | | | F |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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22567-321-0001-0196-002-01

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0284101 gB 04/08/96

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: KW0283

Matrix (soil/water): SOIL_ Lab Sample ID: 9603509-06

Level (low/med): LOW__ Date Received: 03/29/96

% Solids: _72.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 13.4 | | | F |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

22567-321-0001-0196-002-01

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW0284201

gB 04/18/96

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: KW0283

Matrix (soil/water): SOIL_ Lab Sample ID: 9603509-05

Level (low/med): LOW__ Date Received: 03/29/96

% Solids: _20.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7439-92-1 | Lead | 38.0 | | | F |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

**SWMU-2**
**Confirmation Sample ID / Location**
**Cross Reference Index**

| Sample ID | Station ID | Depth | Parameters | Comments |
|---|---|---|---|---|
| 2840 | | NA | Pesticides | Sample of Ditch Water Before Treatment |
| 2843 | | NA | Pesticides | Sample of Ditch Water after 48 hrs. of Treatment |
| 2844 | Discharge Hose | NA | Pesticides | Sample of Discharge Water after 48 hrs. Of Treatment |
| 2845 | M11 | 0-6" | Pesticides | Sediment Sample |
| 2846 | E11 | 0-6" | Pesticides | Sediment Sample |
| 2847 | | NA | Pesticides | Sample of Ditch Water after 64 hrs. of Treatment |
| 2849 | M10 | 0-6" | Pesticides | |
| 2850 | J8 | 0-6" | Pesticides | |
| 2851 | E16 | 0-6" | Pesticides | |
| 2852 | N13 | 0-6" | Pesticides | |
| 2853 | K16 | 0-6" | Pesticides | |
| 2854 | | NA | Pesticides | Sample of Ditch Water after 112 hrs. of Treatment |
| 2855 | Discharge Hose | NA | Pesticides | Sample of Discharge Water after 112 hrs. Of Treatment |
| 2856 | L13 | 0-6" | Pesticides | |
| 2857 | J8 | 0-6" | Pesticides | |
| 2858 | G8 | 0-6" | Pesticides | |
| 2860 | H16 | 0-6" | Pesticides | |
| 2861 | E9 | 0-6" | Pesticides | |
| 2862 | B9 | 0-6" | Pesticides | |
| 2863 | B12 | 0-6" | Pesticides | |
| 2864 | B14 | 0-6" | Pesticides | |
| 2865 | B14 | 0-6" | Pesticides | Duplicate of 2864 |
| | | | | |
| | | | | |

CORE LABORATORIES

5460 Beaumont Center Blvd., Tampa, Florida 33634, (813) 884-8268, Fax (813) 888-6382

Associated Environmental Services, Inc.
411 West 25th Street
Chattanooga, TN 37408-2802

March 27, 1996
Core Project Number: 260325513

Attn: Mr. Randall Veal



Client Reference: NAS KEY WEST Dredging-SWMU-2 Ditch

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0765355 | |
| Date Collected: | | | 03/25/96 | |
| Date Received: | | | 03/26/96 | |
| | | | KW02840 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8080 ORGANOCHLORINE PESTICIDES | | | | |
| Date Extracted - 3510 | | | 03/26/96 | |
| alpha-BHC | ug/L | 0.05 | 1.5 | 03/27/96 |
| beta-BHC | ug/L | 0.05 | 0.42 | 03/27/96 |
| g-BHC (Lindane) | ug/L | 0.05 | 0.05 | 03/27/96 |
| d-BHC | ug/L | 0.05 | 0.14 | 03/27/96 |
| tachlor | ug/L | 0.05 | ND | 03/27/96 |
| Aldrin | ug/L | 0.05 | ND | 03/27/96 |
| Heptachlor epoxide | ug/L | 0.05 | ND | 03/27/96 |
| Endosulfan I | ug/L | 0.05 | ND | 03/27/96 |
| Dieldrin | ug/L | 0.1 | ND | 03/27/96 |
| Endrin | ug/L | 0.1 | ND | 03/27/96 |
| 4,4-DDD | ug/L | 0.1 | 17 | 03/27/96 |
| Endosulfan II | ug/L | 0.1 | ND | 03/27/96 |
| 4,4-DDT | ug/L | 0.1 | 0.91 | 03/27/96 |
| 4,4-DDE | ug/L | 0.1 | 0.38 | 03/27/96 |
| Endrin aldehyde | ug/L | 0.1 | ND | 03/27/96 |
| Endosulfan sulfate | ug/L | 0.1 | ND | 03/27/96 |
| Chlordane | ug/L | 1.0 | ND | 03/27/96 |
| Methoxychlor | ug/L | 0.5 | ND | 03/27/96 |
| Toxaphene | ug/L | 3.0 | ND | 03/27/96 |
| Surrogate | % | 0.1 | 56 | 03/27/96 |

These data have been reviewed and are approved for release.

Fo hael W. Palmer
Manager, Organic Chemistry

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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Associated Environmental Services, Inc.
411 West 25th Street
Chattanooga, TN 37408-2802

April 02, 1996
Core Project Number: 260401513

Attn: Mr. Randall Veal



Client Reference: NAS Key West SWMU-2

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0766769 | |
| Date Collected: | | | 03/29/96 | |
| Date Received: | | | 03/30/96 | |
| | | | KW02843 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8080 ORGANOCHLORINE PESTICIDES | | | | |
| Date Extracted - 3510 | | | 04/01/96 | |
| alpha-BHC | ug/L | 0.05 | ND | 04/02/96 |
| beta-BHC | ug/L | 0.05 | ND | 04/02/96 |
| g-BHC (Lindane) | ug/L | 0.05 | ND | 04/02/96 |
| d-BHC | ug/L | 0.05 | ND | 04/02/96 |
| Heptachlor | ug/L | 0.05 | ND | 04/02/96 |
| Aldrin | ug/L | 0.05 | ND | 04/02/96 |
| Heptachlor epoxide | ug/L | 0.05 | ND | 04/02/96 |
| Endosulfan I | ug/L | 0.05 | ND | 04/02/96 |
| Dieldrin | ug/L | 0.1 | ND | 04/02/96 |
| Endrin | ug/L | 0.1 | ND | 04/02/96 |
| 4,4-DDD | ug/L | 0.1 | 2.3 | 04/02/96 |
| Endosulfan II | ug/L | 0.1 | ND | 04/02/96 |
| 4,4-DDT | ug/L | 0.1 | ND | 04/02/96 |
| 4,4-DDE | ug/L | 0.1 | ND | 04/02/96 |
| Endrin aldehyde | ug/L | 0.1 | ND | 04/02/96 |
| Endosulfan sulfate | ug/L | 0.1 | ND | 04/02/96 |
| Chlordane | ug/L | 1.0 | ND | 04/02/96 |
| Methoxychlor | ug/L | 0.5 | ND | 04/02/96 |
| Toxaphene | ug/L | 3.0 | ND | 04/02/96 |
| Surrogate | % | 0.1 | 63 | 04/02/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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Mr. Randall Veal
Page 3

April 02, 1996
Core Project Number: 260401513

Client Reference: NAS Key West SWMU-2

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0766777 | |
| Date Collected: | | | 03/29/96 | |
| Date Received: | | | 03/30/96 | |
| Client Sample ID: | | | KW02844 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8080 ORGANOCHLORINE PESTICIDES | | | | |
| Date Extracted - 3510 | | | 04/01/96 | |
| alpha-BHC | ug/L | 0.05 | ND | 04/02/96 |
| beta-BHC | ug/L | 0.05 | ND | 04/02/96 |
| g-BHC (Lindane) | ug/L | 0.05 | ND | 04/02/96 |
| d-BHC | ug/L | 0.05 | ND | 04/02/96 |
| Heptachlor | ug/L | 0.05 | ND | 04/02/96 |
| Aldrin | ug/L | 0.05 | ND | 04/02/96 |
| Heptachlor epoxide | ug/L | 0.05 | ND | 04/02/96 |
| Endosulfan I | ug/L | 0.05 | ND | 04/02/96 |
| eldrin | ug/L | 0.1 | ND | 04/02/96 |
| Endrin | ug/L | 0.1 | ND | 04/02/96 |
| 4,4-DDD | ug/L | 0.1 | 0.810 | 04/02/96 |
| Endosulfan II | ug/L | 0.1 | ND | 04/02/96 |
| 4,4-DDT | ug/L | 0.1 | ND | 04/02/96 |
| 4,4-DDE | ug/L | 0.1 | ND | 04/02/96 |
| Endrin aldehyde | ug/L | 0.1 | ND | 04/02/96 |
| Endosulfan sulfate | ug/L | 0.1 | ND | 04/02/96 |
| Chlordane | ug/L | 1.0 | ND | 04/02/96 |
| Methoxychlor | ug/L | 0.5 | ND | 04/02/96 |
| Toxaphene | ug/L | 3.0 | ND | 04/02/96 |
| Surrogate | % | 0.1 | 68 | 04/02/96 |

These data have been reviewed and are approved for release.

For Michael W. Palmer
Manager, Organic Chemistry

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02845SEDDL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-08

Sample wt/vol: 30.0 (g/mL) g Lab File ID: AKDKB21

% Moisture: 68 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 208 | U |
| 319-85-7 | beta-BHC | 208 | U |
| 319-86-8 | delta-BHC | 159 | JD |
| 58-89-9 | gamma-BHC (Lindane) | 208 | U |
| 76-44-8 | Heptachlor | 208 | U |
| 309-00-2 | Aldrin | 208 | U |
| 1024-57-3 | Heptachlor epoxide | 208 | U |
| 959-98-8 | Endosulfan I | 208 | U |
| 60-57-1 | Dieldrin | 416 | U |
| 72-55-9 | 4,4'-DDE | 1560 | PD |
| 72-20-8 | Endrin | 416 | U |
| 33213-65-9 | Endosulfan II | 416 | U |
| 72-54-8 | 4,4'-DDD | 5340 | E |
| 1031-07-8 | Endosulfan sulfate | 416 | U |
| 50-29-3 | 4,4'-DDT | 1440 | D |
| 72-43-5 | Methoxychlor | 2080 | U |
| 53494-70-5 | Endrin ketone | 416 | U |
| 8001-35-2 | Toxaphene | 10400 | U |
| 5103-74-2 | Gamma-chlordane | 208 | U |
| 5103-71-9 | Alpha-chlordane | 208 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02845SEDDL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-15

Sample wt/vol: 30.0 (g/mL) g Lab File ID: AKDKB31

% Moisture: 68 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 1040 | U |
| 319-85-7 | beta-BHC | 1040 | U |
| 319-86-8 | delta-BHC | 1040 | U |
| 58-89-9 | gamma-BHC (Lindane) | 1040 | U |
| 76-44-8 | Heptachlor | 1040 | U |
| 309-00-2 | Aldrin | 1040 | U |
| 1024-57-3 | Heptachlor epoxide | 1040 | U |
| 959-98-8 | Endosulfan I | 1040 | U |
| 60-57-1 | Dieldrin | 2080 | U |
| 72-55-9 | 4,4'-DDE | 1200 | JDP |
| 72-20-8 | Endrin | 2080 | U |
| 33213-65-9 | Endosulfan II | 2080 | U |
| 72-54-8 | 4,4'-DDD | 7120 | D |
| 1031-07-8 | Endosulfan sulfate | 2080 | U |
| 50-29-3 | 4,4'-DDT | 1830 | JD |
| 72-43-5 | Methoxychlor | 10400 | U |
| 53494-70-5 | Endrin ketone | 2080 | U |
| 8001-35-2 | Toxaphene | 52000 | U |
| 5103-74-2 | Gamma-chlordane | 1040 | U |
| 5103-71-9 | Alpha-chlordane | 1040 | U |

22567-321-0001-0197-001-01

1D

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02846SEDDL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-09

Sample wt/vol: 30.6 (g/mL) g Lab File ID: AKDKB22

% Moisture: 74 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 252 | U |
| 319-85-7 | beta-BHC | 252 | U |
| 319-86-8 | delta-BHC | 231 | JD |
| 58-89-9 | gamma-BHC (Lindane) | 252 | U |
| 76-44-8 | Heptachlor | 252 | U |
| 309-00-2 | Aldrin | 252 | U |
| 1024-57-3 | Heptachlor epoxide | 252 | U |
| 959-98-8 | Endosulfan I | 359 | PD |
| 60-57-1 | Dieldrin | 504 | U |
| 72-55-9 | 4,4'-DDE | 4640 | PD |
| 72-20-8 | Endrin | 244 | JPD |
| 33213-65-9 | Endosulfan II | 504 | U |
| 72-54-8 | 4,4'-DDD | 10600 | E |
| 1031-07-8 | Endosulfan sulfate | 504 | U |
| 50-29-3 | 4,4'-DDT | 10300 | E |
| 72-43-5 | Methoxychlor | 2520 | U |
| 53494-70-5 | Endrin ketone | 504 | U |
| 8001-35-2 | Toxaphene | 12600 | U |
| 5103-74-2 | Gamma-chlordane | 252 | U |
| 5103-71-9 | Alpha-chlordane | 252 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02846SEDDL2

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-16

Sample wt/vol: 30.6 (g/mL) g Lab File ID: AKDKB32

% Moisture: 74 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:01/01/70

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 1260 | U |
| 319-85-7 | beta-BHC | 1260 | U |
| 319-86-8 | delta-BHC | 1260 | U |
| 58-89-9 | gamma-BHC (Lindane) | 1260 | U |
| 76-44-8 | Heptachlor | 1260 | U |
| 309-00-2 | Aldrin | 1260 | U |
| 1024-57-3 | Heptachlor epoxide | 1260 | U |
| 959-98-8 | Endosulfan I | 1260 | U |
| 60-57-1 | Dieldrin | 2520 | U |
| 72-55-9 | 4,4'-DDE | 4620 | DP |
| 72-20-8 | Endrin | 2520 | U |
| 33213-65-9 | Endosulfan II | 2520 | U |
| 72-54-8 | 4,4'-DDD | 17200 | D |
| 1031-07-8 | Endosulfan sulfate | 2520 | U |
| 50-29-3 | 4,4'-DDT | 14800 | D |
| 72-43-5 | Methoxychlor | 12600 | U |
| 53494-70-5 | Endrin ketone | 2520 | U |
| 8001-35-2 | Toxaphene | 62900 | U |
| 5103-74-2 | Gamma-chlordane | 1260 | U |
| 5103-71-9 | Alpha-chlordane | 1260 | U |

CORE LABORATORIES

5460 Beaumont Center Blvd., Tampa, Florida 33634, (813) 884-8268, Fax (813) 888-6382

Associated Environmental Services, Inc.
411 West 25th Street
Chattanooga, TN 37408-2802

April 08, 1996
Core Project Number: 260404511

Attn: Mr. Randall Veal



Client Reference: NAS KEY WEST SWMU-2

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0767331 | |
| Date Collected: | | | 04/03/96 | |
| Date Received: | | | 04/04/96 | |
| Client Sample ID: | | | KW02847 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8080 ORGANOCHLORINE PESTICIDES | | | | |
| Date Extracted - 3510 | | | 04/04/96 | |
| alpha-BHC | ug/L | 0.05 | 0.12 | 04/05/96 |
| beta-BHC | ug/L | 0.05 | 0.07 | 04/05/96 |
| g-BHC (Lindane) | ug/L | 0.05 | ND | 04/05/96 |
| d-BHC | ug/L | 0.05 | ND | 04/05/96 |
| eptachlor | ug/L | 0.05 | ND | 04/05/96 |
| Aldrin | ug/L | 0.05 | ND | 04/05/96 |
| Heptachlor epoxide | ug/L | 0.05 | ND | 04/05/96 |
| Endosulfan I | ug/L | 0.05 | ND | 04/05/96 |
| Dieldrin | ug/L | 0.1 | ND | 04/05/96 |
| Endrin | ug/L | 0.1 | ND | 04/05/96 |
| 4,4-DDD | ug/L | 0.1 | 3.4 | 04/05/96 |
| Endosulfan II | ug/L | 0.1 | ND | 04/05/96 |
| 4,4-DDT | ug/L | 0.1 | 0.1 | 04/05/96 |
| 4,4-DDE | ug/L | 0.1 | ND | 04/05/96 |
| Endrin aldehyde | ug/L | 0.1 | ND | 04/05/96 |
| Endosulfan sulfate | ug/L | 0.1 | ND | 04/05/96 |
| Chlordane | ug/L | 1.0 | ND | 04/05/96 |
| Methoxychlor | ug/L | 0.5 | ND | 04/05/96 |
| Toxaphene | ug/L | 3.0 | ND | 04/05/96 |
| Surrogate | % | 0.1 | 62 | 04/05/96 |

These data have been reviewed and are approved for release.

Michael W. Palmer
Manager, Organic Chemistry

Florida DEP CompQAP # 87065296 - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # E 12...

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02849SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: AKDKB23

% Moisture: 19 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.82 | U |
| 319-85-7 | beta-BHC | 0.82 | U |
| 319-86-8 | delta-BHC | 2.4 | |
| 58-89-9 | gamma-BHC (Lindane) | 1.0 | |
| 76-44-8 | Heptachlor | 0.82 | U |
| 309-00-2 | Aldrin | 1.2 | P |
| 1024-57-3 | Heptachlor epoxide | 34.4 | EP |
| 959-98-8 | Endosulfan I | 1.7 | P |
| 60-57-1 | Dieldrin | 11.4 | P |
| 72-55-9 | 4,4'-DDE | 32.0 | EP |
| 72-20-8 | Endrin | 42.9 | EP |
| 33213-65-9 | Endosulfan II | 1.6 | U |
| 72-54-8 | 4,4'-DDD | 66.8 | E |
| 1031-07-8 | Endosulfan sulfate | 7.8 | P |
| 50-29-3 | 4,4'-DDT | 61.3 | EP |
| 72-43-5 | Methoxychlor | 104 | EP |
| 53494-70-5 | Endrin ketone | 1.6 | U |
| 8001-35-2 | Toxaphene | 355 | P |
| 5103-74-2 | Gamma-chlordane | 0.82 | U |
| 5103-71-9 | Alpha-chlordane | 0.82 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02849SFSDL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-10

Sample wt/vol: 30.1 (g/mL) g Lab File ID: AKDKB14

% Moisture: 19 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 8.2 | U |
| 319-85-7 | beta-BHC | 8.2 | U |
| 319-86-8 | delta-BHC | 8.2 | U |
| 58-89-9 | gamma-BHC (Lindane) | 8.2 | U |
| 76-44-8 | Heptachlor | 8.2 | U |
| 309-00-2 | Aldrin | 8.2 | U |
| 1024-57-3 | Heptachlor epoxide | 8.2 | U |
| 959-98-8 | Endosulfan I | 9.3 | PD |
| 60-57-1 | Dieldrin | 16.4 | U |
| 72-55-9 | 4,4'-DDE | 77.3 | D |
| 72-20-8 | Endrin | 142 | PD |
| 33213-65-9 | Endosulfan II | 16.4 | U |
| 72-54-8 | 4,4'-DDD | 136 | PD |
| 1031-07-8 | Endosulfan sulfate | 16.4 | U |
| 50-29-3 | 4,4'-DDT | 181 | E |
| 72-43-5 | Methoxychlor | 82.1 | U |
| 53494-70-5 | Endrin ketone | 16.4 | U |
| 8001-35-2 | Toxaphene | 410 | U |
| 5103-74-2 | Gamma-chlordane | 8.2 | U |
| 5103-71-9 | Alpha-chlordane | 8.2 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02849SFSDL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-10

Sample wt/vol: 30.1 (g/mL) g Lab File ID: AKDKB33

% Moisture: 19 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 16.4 | U |
| 319-85-7 | beta-BHC | 16.4 | U |
| 319-86-8 | delta-BHC | 16.4 | U |
| 58-89-9 | gamma-BHC (Lindane) | 16.4 | U |
| 76-44-8 | Heptachlor | 16.4 | U |
| 309-00-2 | Aldrin | 16.4 | U |
| 1024-57-3 | Heptachlor epoxide | 16.4 | U |
| 959-98-8 | Endosulfan I | 16.4 | U |
| 60-57-1 | Dieldrin | 32.8 | U |
| 72-55-9 | 4,4'-DDE | 69.3 | D |
| 72-20-8 | Endrin | 32.8 | U |
| 33213-65-9 | Endosulfan II | 32.8 | U |
| 72-54-8 | 4,4'-DDD | 138 | DP |
| 1031-07-8 | Endosulfan sulfate | 32.8 | U |
| 50-29-3 | 4,4'-DDT | 167 | D |
| 72-43-5 | Methoxychlor | 164 | U |
| 53494-70-5 | Endrin ketone | 32.8 | U |
| 8001-35-2 | Toxaphene | 821 | U |
| 5103-74-2 | Gamma-chlordane | 16.4 | U |
| 5103-71-9 | Alpha-chlordane | 16.4 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02850SFS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-04

Sample wt/vol: 30.4 (g/mL) g Lab File ID: AKDKB24

% Moisture: 32 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.97 | U |
| 319-85-7 | beta-BHC | 0.97 | U |
| 319-86-8 | delta-BHC | 0.97 | U |
| 58-89-9 | gamma-BHC (Lindane) | 1.0 | |
| 76-44-8 | Heptachlor | 0.97 | U |
| 309-00-2 | Aldrin | 0.77 | JP |
| 1024-57-3 | Heptachlor epoxide | 6.3 | P |
| 959-98-8 | Endosulfan I | 1.1 | P |
| 60-57-1 | Dieldrin | 1.9 | U |
| 72-55-9 | 4,4'-DDE | 114 | EP |
| 72-20-8 | Endrin | 2.7 | P |
| 33213-65-9 | Endosulfan II | 1.9 | U |
| 72-54-8 | 4,4'-DDD | 13.2 | P |
| 1031-07-8 | Endosulfan sulfate | 3.0 | P |
| 50-29-3 | 4,4'-DDT | 84.5 | E |
| 72-43-5 | Methoxychlor | 8.7 | JP |
| 53494-70-5 | Endrin ketone | 3.3 | |
| 8001-35-2 | Toxaphene | 343 | P |
| 5103-74-2 | Gamma-chlordane | 0.97 | U |
| 5103-71-9 | Alpha-chlordane | 0.97 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02850SFSDL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-11

Sample wt/vol: 30.4 (g/mL) g Lab File ID: AKDKB15

% Moisture: 32 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 96.7 | U |
| 319-85-7 | beta-BHC | 96.7 | U |
| 319-86-8 | delta-BHC | 96.7 | U |
| 58-89-9 | gamma-BHC (Lindane) | 96.7 | U |
| 76-44-8 | Heptachlor | 96.7 | U |
| 309-00-2 | Aldrin | 96.7 | U |
| 1024-57-3 | Heptachlor epoxide | 96.7 | U |
| 959-98-8 | Endosulfan I | 96.7 | U |
| 60-57-1 | Dieldrin | 193 | U |
| 72-55-9 | 4,4'-DDE | 908 | D |
| 72-20-8 | Endrin | 193 | U |
| 33213-65-9 | Endosulfan II | 193 | U |
| 72-54-8 | 4,4'-DDD | 193 | U |
| 1031-07-8 | Endosulfan sulfate | 193 | U |
| 50-29-3 | 4,4'-DDT | 235 | D |
| 72-43-5 | Methoxychlor | 967 | U |
| 53494-70-5 | Endrin ketone | 193 | U |
| 8001-35-2 | Toxaphene | 4840 | U |
| 5103-74-2 | Gamma-chlordane | 96.7 | U |
| 5103-71-9 | Alpha-chlordane | 96.7 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02851SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-05

Sample wt/vol: 29.9 (g/mL) g Lab File ID: AKDKB25

% Moisture: 13 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.77 | U |
| 319-85-7 | beta-BHC | 1.6 | |
| 319-86-8 | delta-BHC | 0.77 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.77 | U |
| 76-44-8 | Heptachlor | 0.77 | U |
| 309-00-2 | Aldrin | 0.77 | U |
| 1024-57-3 | Heptachlor epoxide | 0.77 | U |
| 959-98-8 | Endosulfan I | 0.77 | U |
| 60-57-1 | Dieldrin | 1.5 | U |
| 72-55-9 | 4,4'-DDE | 81.0 | EP |
| 72-20-8 | Endrin | 1.5 | U |
| 33213-65-9 | Endosulfan II | 1.5 | U |
| 72-54-8 | 4,4'-DDD | 13.8 | P |
| 1031-07-8 | Endosulfan sulfate | 1.5 | U |
| 50-29-3 | 4,4'-DDT | 30.9 | E |
| 72-43-5 | Methoxychlor | 7.7 | U |
| 53494-70-5 | Endrin ketone | 1.5 | U |
| 8001-35-2 | Toxaphene | 38.4 | U |
| 5103-74-2 | Gamma-chlordane | 0.77 | U |
| 5103-71-9 | Alpha-chlordane | 0.77 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02851SFSDL1

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-12

Sample wt/vol: 29.9 (g/mL) g Lab File ID: AKDKB16

% Moisture: 13 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 76.8 | U |
| 319-85-7 | beta-BHC | 76.8 | U |
| 319-86-8 | delta-BHC | 76.8 | U |
| 58-89-9 | gamma-BHC (Lindane) | 76.8 | U |
| 76-44-8 | Heptachlor | 76.8 | U |
| 309-00-2 | Aldrin | 76.8 | U |
| 1024-57-3 | Heptachlor epoxide | 76.8 | U |
| 959-98-8 | Endosulfan I | 76.8 | U |
| 60-57-1 | Dieldrin | 154 | U |
| 72-55-9 | 4,4'-DDE | 525 | D |
| 72-20-8 | Endrin | 154 | U |
| 33213-65-9 | Endosulfan II | 154 | U |
| 72-54-8 | 4,4'-DDD | 118 | JD |
| 1031-07-8 | Endosulfan sulfate | 154 | U |
| 50-29-3 | 4,4'-DDT | 75.8 | JPD |
| 72-43-5 | Methoxychlor | 768 | U |
| 53494-70-5 | Endrin ketone | 154 | U |
| 8001-35-2 | Toxaphene | 3840 | U |
| 5103-74-2 | Gamma-chlordane | 76.8 | U |
| 5103-71-9 | Alpha-chlordane | 76.8 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02852SFSDL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-13

Sample wt/vol: 29.9 (g/mL) g Lab File ID: AKDKB26

% Moisture: 15 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 04/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 15.7 | U |
| 319-85-7 | beta-BHC | 15.7 | U |
| 319-86-8 | delta-BHC | 15.7 | U |
| 58-89-9 | gamma-BHC (Lindane) | 15.7 | U |
| 76-44-8 | Heptachlor | 15.7 | U |
| 309-00-2 | Aldrin | 15.7 | U |
| 1024-57-3 | Heptachlor epoxide | 15.7 | U |
| 959-98-8 | Endosulfan I | 15.7 | U |
| 60-57-1 | Dieldrin | 31.5 | U |
| 72-55-9 | 4,4'-DDE | 521 | E |
| 72-20-8 | Endrin | 31.5 | U |
| 33213-65-9 | Endosulfan II | 31.5 | U |
| 72-54-8 | 4,4'-DDD | 74.5 | DP |
| 1031-07-8 | Endosulfan sulfate | 31.5 | U |
| 50-29-3 | 4,4'-DDT | 302 | D |
| 72-43-5 | Methoxychlor | 157 | U |
| 53494-70-5 | Endrin ketone | 31.5 | U |
| 8001-35-2 | Toxaphene | 787 | U |
| 5103-74-2 | Gamma-chlordane | 15.7 | U |
| 5103-71-9 | Alpha-chlordane | 15.7 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02852SFSDL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-19

Sample wt/vol: 29.9 (g/mL) g Lab File ID: AKDKB17

% Moisture: 15 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 157 | U |
| 319-85-7 | beta-BHC | 157 | U |
| 319-86-8 | delta-BHC | 157 | U |
| 58-89-9 | gamma-BHC (Lindane) | 157 | U |
| 76-44-8 | Heptachlor | 157 | U |
| 309-00-2 | Aldrin | 157 | U |
| 1024-57-3 | Heptachlor epoxide | 157 | U |
| 959-98-8 | Endosulfan I | 157 | U |
| 60-57-1 | Dieldrin | 315 | U |
| 72-55-9 | 4,4'-DDE | 642 | D |
| 72-20-8 | Endrin | 315 | U |
| 33213-65-9 | Endosulfan II | 315 | U |
| 72-54-8 | 4,4'-DDD | 197 | JD |
| 1031-07-8 | Endosulfan sulfate | 315 | U |
| 50-29-3 | 4,4'-DDT | 344 | D |
| 72-43-5 | Methoxychlor | 1570 | U |
| 53494-70-5 | Endrin ketone | 315 | U |
| 8001-35-2 | Toxaphene | 7870 | U |
| 5103-74-2 | Gamma-chlordane | 157 | U |
| 5103-71-9 | Alpha-chlordane | 157 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02853SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-07

Sample wt/vol: 30.2 (g/mL) g Lab File ID: AKDKB27

% Moisture: 12 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.75 | U |
| 319-85-7 | beta-BHC | 0.75 | U |
| 319-86-8 | delta-BHC | 0.75 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.75 | U |
| 76-44-8 | Heptachlor | 0.75 | U |
| 309-00-2 | Aldrin | 0.75 | U |
| 1024-57-3 | Heptachlor epoxide | 0.75 | U |
| 959-98-8 | Endosulfan I | 2.3 | P |
| 60-57-1 | Dieldrin | 1.5 | U |
| 72-55-9 | 4,4'-DDE | 66.2 | EP |
| 72-20-8 | Endrin | 2.5 | P |
| 33213-65-9 | Endosulfan II | 1.5 | U |
| 72-54-8 | 4,4'-DDD | 31.9 | EP |
| 1031-07-8 | Endosulfan sulfate | 1.5 | U |
| 50-29-3 | 4,4'-DDT | 62.7 | E |
| 72-43-5 | Methoxychlor | 2.5 | JP |
| 53494-70-5 | Endrin ketone | 0.44 | JP |
| 8001-35-2 | Toxaphene | 37.7 | U |
| 5103-74-2 | Gamma-chlordane | 0.75 | U |
| 5103-71-9 | Alpha-chlordane | 0.75 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02853SFSDL1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64129S

Matrix: (soil/water) SOIL Lab Sample ID: 9604129-14

Sample wt/vol: 30.2 (g/mL) g Lab File ID: AKDKB18

% Moisture: 12 decanted: (Y/N) N Date Received: 04/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/12/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/14/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 75.3 | U |
| 319-85-7 | beta-BHC | 75.3 | U |
| 319-86-8 | delta-BHC | 75.3 | U |
| 58-89-9 | gamma-BHC (Lindane) | 75.3 | U |
| 76-44-8 | Heptachlor | 75.3 | U |
| 309-00-2 | Aldrin | 75.3 | U |
| 1024-57-3 | Heptachlor epoxide | 75.3 | U |
| 959-98-8 | Endosulfan I | 75.3 | U |
| 60-57-1 | Dieldrin | 151 | U |
| 72-55-9 | 4,4'-DDE | 286 | D |
| 72-20-8 | Endrin | 151 | U |
| 33213-65-9 | Endosulfan II | 151 | U |
| 72-54-8 | 4,4'-DDD | 95.3 | JPD |
| 1031-07-8 | Endosulfan sulfate | 151 | U |
| 50-29-3 | 4,4'-DDT | 177 | D |
| 72-43-5 | Methoxychlor | 753 | U |
| 53494-70-5 | Endrin ketone | 151 | U |
| 8001-35-2 | Toxaphene | 3770 | U |
| 5103-74-2 | Gamma-chlordane | 75.3 | U |
| 5103-71-9 | Alpha-chlordane | 75.3 | U |

CORE LABORATORIES

5460 Beaumont Center Blvd., Tampa, Florida 33634, (813) 884-8268, Fax (813) 888-6382

Associated Environmental Services, Inc.
411 West 25th Street
Chattanooga, TN 37408-2802

April 11, 1996
Core Project Number: 260405514

Attn: Mr. Randall Veal



Client Reference: NAS KEY WEST

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0767609 | |
| Date Collected: | | | 04/05/96 | |
| Date Received: | | | 04/06/96 | |
| | | | KW02854 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8080 ORGANOCHLORINE PESTICIDES | | | | |
| Date Extracted - 3510 | | | 04/08/96 | |
| alpha-BHC | ug/L | 0.05 | ND | 04/11/96 |
| beta-BHC | ug/L | 0.05 | ND | 04/11/96 |
| g-BHC (Lindane) | ug/L | 0.05 | ND | 04/11/96 |
| d-BHC | ug/L | 0.05 | ND | 04/11/96 |
| tachlor | ug/L | 0.05 | ND | 04/11/96 |
| Aldrin | ug/L | 0.05 | ND | 04/11/96 |
| Heptachlor epoxide | ug/L | 0.05 | ND | 04/11/96 |
| Endosulfan I | ug/L | 0.05 | ND | 04/11/96 |
| Dieldrin | ug/L | 0.1 | ND | 04/11/96 |
| Endrin | ug/L | 0.1 | ND | 04/11/96 |
| 4,4-DDD | ug/L | 0.1 | 0.9 | 04/11/96 |
| Endosulfan II | ug/L | 0.1 | ND | 04/11/96 |
| 4,4-DDT | ug/L | 0.1 | ND | 04/11/96 |
| 4,4-DDE | ug/L | 0.1 | ND | 04/11/96 |
| Endrin aldehyde | ug/L | 0.1 | ND | 04/11/96 |
| Endosulfan sulfate | ug/L | 0.1 | ND | 04/11/96 |
| Chlordane | ug/L | 1.0 | ND | 04/11/96 |
| Methoxychlor | ug/L | 0.5 | ND | 04/11/96 |
| Toxaphene | ug/L | 3.0 | ND | 04/11/96 |
| Surrogate | % | 0.1 | 84 | 04/11/96 |

Florida DEP CompQAP # 870529G - Lab Certification Florida Environmental HRS # E84003 - Florida SDWA HRS # 84125

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CORE LABORATORIES

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Mr. Randall Veal
Page 3

April 11, 1996
Core Project Number: 260405514

Client Reference: NAS KEY WEST

| | | | | |
|---|---|---|---|---|
| Core Sample Number: | | | 90 0767617 | |
| Date Collected: | | | 04/05/96 | |
| Date Received: | | | 04/06/96 | |
| Client Sample ID: | | | KW02855 | |
| Parameter | Units | PRL | | DATE ANALYZED |
| ORGANIC ANALYSIS | | | | |
| 8080 ORGANOCHLORINE PESTICIDES | | | | |
| Date Extracted - 3510 | | | 04/08/96 | |
| alpha-BHC | ug/L | 0.05 | ND | 04/11/96 |
| beta-BHC | ug/L | 0.05 | ND | 04/11/96 |
| g-BHC (Lindane) | ug/L | 0.05 | ND | 04/11/96 |
| d-BHC | ug/L | 0.05 | ND | 04/11/96 |
| Heptachlor | ug/L | 0.05 | ND | 04/11/96 |
| Aldrin | ug/L | 0.05 | ND | 04/11/96 |
| Heptachlor epoxide | ug/L | 0.05 | ND | 04/11/96 |
| Endosulfan I | ug/L | 0.05 | ND | 04/11/96 |
| eldrin | ug/L | 0.1 | ND | 04/11/96 |
| ndrin | ug/L | 0.1 | ND | 04/11/96 |
| 4,4-DDD | ug/L | 0.1 | 0.3 | 04/11/96 |
| Endosulfan II | ug/L | 0.1 | ND | 04/11/96 |
| 4,4-DDT | ug/L | 0.1 | ND | 04/11/96 |
| 4,4-DDE | ug/L | 0.1 | ND | 04/11/96 |
| Endrin aldehyde | ug/L | 0.1 | ND | 04/11/96 |
| Endosulfan sulfate | ug/L | 0.1 | ND | 04/11/96 |
| Chlordane | ug/L | 1.0 | ND | 04/11/96 |
| Methoxychlor | ug/L | 0.5 | ND | 04/11/96 |
| Toxaphene | ug/L | 3.0 | ND | 04/11/96 |
| Surrogate | % | 0.1 | 76 | 04/11/96 |

These data have been reviewed and are approved for release.

Michael W. Palmer
Manager, Organic Chemistry

Florida DEP CompQAP # 870529G · Lab Certification Florida Environmental HRS # E84003 · Florida SDWA HRS # 84125

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22567-321-0001-0198-002-01

1D

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02856SFS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 64155S

Matrix: (soil/water) SOIL Lab Sample ID: 9604155-01

Sample wt/vol: 30.3 (g/mL) g Lab File ID: AKJXB33

% Moisture: 13 decanted: (Y/N) N Date Received: 04/09/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/13/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.76 | U |
| 319-85-7 | beta-BHC | 0.76 | U |
| 319-86-8 | delta-BHC | 0.76 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.76 | U |
| 76-44-8 | Heptachlor | 0.76 | U |
| 309-00-2 | Aldrin | 0.75 | J |
| 1024-57-3 | Heptachlor epoxide | 0.76 | U |
| 959-98-8 | Endosulfan I | 1.1 | P |
| 60-57-1 | Dieldrin | 1.5 | U |
| 72-55-9 | 4,4'-DDE | 53.6 | EP |
| 72-20-8 | Endrin | 6.6 | P |
| 33213-65-9 | Endosulfan II | 6.8 | P |
| 72-54-8 | 4,4'-DDD | 84.7 | EP |
| 1031-07-8 | Endosulfan sulfate | 1.5 | U |
| 50-29-3 | 4,4'-DDT | 46.7 | E |
| 72-43-5 | Methoxychlor | 7.6 | U |
| 53494-70-5 | Endrin ketone | 1.5 | U |
| 8001-35-2 | Toxaphene | 37.9 | U |
| 5103-74-2 | Gamma-chlordane | 0.76 | U |
| 5103-71-9 | Alpha-chlordane | 0.76 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02856SFSDL1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 64155S

Matrix: (soil/water) SOIL Lab Sample ID: 9604155-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: AKJXB28

% Moisture: 13 decanted: (Y/N) N Date Received: 04/09/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/13/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 75.8 | U |
| 319-85-7 | beta-BHC | 75.8 | U |
| 319-86-8 | delta-BHC | 75.8 | U |
| 58-89-9 | gamma-BHC (Lindane) | 75.8 | U |
| 76-44-8 | Heptachlor | 75.8 | U |
| 309-00-2 | Aldrin | 75.8 | U |
| 1024-57-3 | Heptachlor epoxide | 75.8 | U |
| 959-98-8 | Endosulfan I | 75.8 | U |
| 60-57-1 | Dieldrin | 152 | U |
| 72-55-9 | 4,4'-DDE | 137 | JPD |
| 72-20-8 | Endrin | 152 | U |
| 33213-65-9 | Endosulfan II | 152 | U |
| 72-54-8 | 4,4'-DDD | 316 | D |
| 1031-07-8 | Endosulfan sulfate | 152 | U |
| 50-29-3 | 4,4'-DDT | 150 | JPD |
| 72-43-5 | Methoxychlor | 758 | U |
| 53494-70-5 | Endrin ketone | 152 | U |
| 8001-35-2 | Toxaphene | 3790 | U |
| 5103-74-2 | Gamma-chlordane | 75.8 | U |
| 5103-71-9 | Alpha-chlordane | 75.8 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02857SFS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 64155S

Matrix: (soil/water) SOIL Lab Sample ID: 9604155-02

Sample wt/vol: 30.7 (g/mL) g Lab File ID: AKJXB34

% Moisture: 24 decanted: (Y/N) N Date Received: 04/09/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/13/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.86 | U |
| 319-85-7 | beta-BHC | 0.86 | U |
| 319-86-8 | delta-BHC | 0.86 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.86 | U |
| 76-44-8 | Heptachlor | 0.86 | U |
| 309-00-2 | Aldrin | 0.86 | U |
| 1024-57-3 | Heptachlor epoxide | 0.86 | U |
| 959-98-8 | Endosulfan I | 0.86 | U |
| 60-57-1 | Dieldrin | 1.7 | U |
| 72-55-9 | 4,4'-DDE | 65.3 | EP |
| 72-20-8 | Endrin | 1.7 | U |
| 33213-65-9 | Endosulfan II | 1.7 | U |
| 72-54-8 | 4,4'-DDD | 4.2 | P |
| 1031-07-8 | Endosulfan sulfate | 1.7 | U |
| 50-29-3 | 4,4'-DDT | 8.6 | |
| 72-43-5 | Methoxychlor | 8.6 | U |
| 53494-70-5 | Endrin ketone | 1.7 | U |
| 8001-35-2 | Toxaphene | 90.9 | P |
| 5103-74-2 | Gamma-chlordane | 0.86 | U |
| 5103-71-9 | Alpha-chlordane | 0.86 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02857SFSDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 64155S

Matrix: (soil/water) SOIL Lab Sample ID: 9604155-06

Sample wt/vol: 30.7 (g/mL) g Lab File ID: AKJXB29

% Moisture: 24 decanted: (Y/N) N Date Received: 04/09/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/13/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 42.8 | U |
| 319-85-7 | beta-BHC | 42.8 | U |
| 319-86-8 | delta-BHC | 42.8 | U |
| 58-89-9 | gamma-BHC (Lindane) | 42.8 | U |
| 76-44-8 | Heptachlor | 42.8 | U |
| 309-00-2 | Aldrin | 42.8 | U |
| 1024-57-3 | Heptachlor epoxide | 42.8 | U |
| 959-98-8 | Endosulfan I | 42.8 | U |
| 60-57-1 | Dieldrin | 85.7 | U |
| 72-55-9 | 4,4'-DDE | 266 | D |
| 72-20-8 | Endrin | 85.7 | U |
| 33213-65-9 | Endosulfan II | 85.7 | U |
| 72-54-8 | 4,4'-DDD | 85.7 | U |
| 1031-07-8 | Endosulfan sulfate | 85.7 | U |
| 50-29-3 | 4,4'-DDT | 85.7 | U |
| 72-43-5 | Methoxychlor | 428 | U |
| 53494-70-5 | Endrin ketone | 85.7 | U |
| 8001-35-2 | Toxaphene | 2140 | U |
| 5103-74-2 | Gamma-chlordane | 42.8 | U |
| 5103-71-9 | Alpha-chlordane | 42.8 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02858SFS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 64155S

Matrix: (soil/water) SOIL Lab Sample ID: 9604155-03

Sample wt/vol: 30.2 (g/mL) g Lab File ID: AKJXB35

% Moisture: 18 decanted: (Y/N) N Date Received: 04/09/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/13/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.67 | JP |
| 319-85-7 | beta-BHC | 0.81 | U |
| 319-86-8 | delta-BHC | 0.81 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.81 | U |
| 76-44-8 | Heptachlor | 0.81 | U |
| 309-00-2 | Aldrin | 0.65 | J |
| 1024-57-3 | Heptachlor epoxide | 15.6 | EP |
| 959-98-8 | Endosulfan I | 0.96 | P |
| 60-57-1 | Dieldrin | 1.6 | U |
| 72-55-9 | 4,4'-DDE | 15.2 | E |
| 72-20-8 | Endrin | 2.4 | P |
| 33213-65-9 | Endosulfan II | 1.1 | JP |
| 72-54-8 | 4,4'-DDD | 52.6 | E |
| 1031-07-8 | Endosulfan sulfate | 1.6 | U |
| 50-29-3 | 4,4'-DDT | 75.6 | E |
| 72-43-5 | Methoxychlor | 8.1 | U |
| 53494-70-5 | Endrin ketone | 1.6 | U |
| 8001-35-2 | Toxaphene | 40.4 | U |
| 5103-74-2 | Gamma-chlordane | 0.81 | U |
| 5103-71-9 | Alpha-chlordane | 0.81 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02858SFSDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 64155S

Matrix: (soil/water) SOIL Lab Sample ID: 9604155-07

Sample wt/vol: 30.2 (g/mL) g Lab File ID: AKJXB30

% Moisture: 18 decanted: (Y/N) N Date Received: 04/09/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/13/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 80.8 | U |
| 319-85-7 | beta-BHC | 80.8 | U |
| 319-86-8 | delta-BHC | 80.8 | U |
| 58-89-9 | gamma-BHC (Lindane) | 80.8 | U |
| 76-44-8 | Heptachlor | 80.8 | U |
| 309-00-2 | Aldrin | 80.8 | U |
| 1024-57-3 | Heptachlor epoxide | 80.8 | U |
| 959-98-8 | Endosulfan I | 80.8 | U |
| 60-57-1 | Dieldrin | 162 | U |
| 72-55-9 | 4,4'-DDE | 8.0 | JPD |
| 72-20-8 | Endrin | 162 | U |
| 33213-65-9 | Endosulfan II | 162 | U |
| 72-54-8 | 4,4'-DDD | 90.0 | JD |
| 1031-07-8 | Endosulfan sulfate | 162 | U |
| 50-29-3 | 4,4'-DDT | 480 | D |
| 72-43-5 | Methoxychlor | 808 | U |
| 53494-70-5 | Endrin ketone | 162 | U |
| 8001-35-2 | Toxaphene | 4040 | U |
| 5103-74-2 | Gamma-chlordane | 80.8 | U |
| 5103-71-9 | Alpha-chlordane | 80.8 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

1B EPA SAMPLE NO.

KW02859SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64155W

Matrix: (soil/water) WATER Lab Sample ID: 9604155-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: AKJXB14

% Moisture: _____ decanted: (Y/N)___ Date Received: 04/09/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 04/09/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/09/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.020 | U |
| 319-85-7 | beta-BHC | 0.020 | U |
| 319-86-8 | delta-BHC | 0.020 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.020 | U |
| 76-44-8 | Heptachlor | 0.020 | U |
| 309-00-2 | Aldrin | 0.020 | U |
| 1024-57-3 | Heptachlor epoxide | 0.020 | U |
| 959-98-8 | Endosulfan I | 0.020 | U |
| 60-57-1 | Dieldrin | 0.040 | U |
| 72-55-9 | 4,4'-DDE | 0.040 | U |
| 72-20-8 | Endrin | 0.040 | U |
| 33213-65-9 | Endosulfan II | 0.040 | U |
| 72-54-8 | 4,4'-DDD | 0.040 | U |
| 1031-07-8 | Endosulfan sulfate | 0.040 | U |
| 50-29-3 | 4,4'-DDT | 0.040 | U |
| 72-43-5 | Methoxychlor | 0.20 | U |
| 53494-70-5 | Endrin ketone | 0.040 | U |
| 8001-35-2 | Toxaphene | 1.0 | U |
| 5103-74-2 | Gamma-chlordane | 0.020 | U |
| 5103-71-9 | Alpha-chlordane | 0.020 | U |

22567-321-0001-0199-002-01

1D

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02860SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64248S

Matrix: (soil/water) SOIL Lab Sample ID: 9604248-01

Sample wt/vol: 30.5 (g/mL) g Lab File ID: AKDK358

% Moisture: 18 decanted: (Y/N) N Date Received: 04/12/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/13/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 04/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.80 | U |
| 319-85-7 | beta-BHC | 0.80 | U |
| 319-86-8 | delta-BHC | 0.66 | J |
| 58-89-9 | gamma-BHC (Lindane) | 0.80 | U |
| 76-44-8 | Heptachlor | 0.80 | U |
| 309-00-2 | Aldrin | 0.80 | U |
| 1024-57-3 | Heptachlor epoxide | 0.80 | U |
| 959-98-8 | Endosulfan I | 0.80 | U |
| 60-57-1 | Dieldrin | 1.6 | U |
| 72-55-9 | 4,4'-DDE | 48.6 | EP |
| 72-20-8 | Endrin | 1.6 | U |
| 33213-65-9 | Endosulfan II | 1.6 | U |
| 72-54-8 | 4,4'-DDD | 28.6 | EP |
| 1031-07-8 | Endosulfan sulfate | 1.6 | U |
| 50-29-3 | 4,4'-DDT | 64.5 | E |
| 72-43-5 | Methoxychlor | 8.0 | U |
| 53494-70-5 | Endrin ketone | 1.6 | U |
| 8001-35-2 | Toxaphene | 40.0 | U |
| 5103-74-2 | Gamma-chlordane | 0.80 | U |
| 5103-71-9 | Alpha-chlordane | 0.80 | U |

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Bechtel SAMPLE NO.

KW02861SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64248S

Matrix: (soil/water) SOIL Lab Sample ID: 9604248-02

Sample wt/vol: 31.0 (g/mL) g Lab File ID: AKJXB18

% Moisture: 30 decanted: (Y/N) N Date Received: 04/12/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.92 | U |
| 319-85-7 | beta-BHC | 0.92 | U |
| 319-86-8 | delta-BHC | 0.92 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.92 | U |
| 76-44-8 | Heptachlor | 0.92 | U |
| 309-00-2 | Aldrin | 0.92 | U |
| 1024-57-3 | Heptachlor epoxide | 0.92 | U |
| 959-98-8 | Endosulfan I | 0.91 | JP |
| 60-57-1 | Dieldrin | 1.8 | U |
| 72-55-9 | 4,4'-DDE | 49.1 | EP |
| 72-20-8 | Endrin | 1.8 | U |
| 33213-65-9 | Endosulfan II | 1.8 | U |
| 72-54-8 | 4,4'-DDD | 9.1 | P |
| 1031-07-8 | Endosulfan sulfate | 1.8 | U |
| 50-29-3 | 4,4'-DDT | 44.1 | E |
| 72-43-5 | Methoxychlor | 9.2 | U |
| 53494-70-5 | Endrin ketone | 1.8 | U |
| 8001-35-2 | Toxaphene | 46.1 | U |
| 5103-74-2 | Gamma-chlordane | 0.92 | U |
| 5103-71-9 | Alpha-chlordane | 0.92 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02862SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64248S

Matrix: (soil/water) SOIL Lab Sample ID: 9604248-03

Sample wt/vol: 30.7 (g/mL) g Lab File ID: AKDKB60

% Moisture: 22 decanted: (Y/N) N Date Received: 04/12/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/13/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.83 | J |
| 319-85-7 | beta-BHC | 2.0 | |
| 319-86-8 | delta-BHC | 0.68 | J |
| 58-89-9 | gamma-BHC (Lindane) | 0.83 | U |
| 76-44-8 | Heptachlor | 0.83 | U |
| 309-00-2 | Aldrin | 0.83 | U |
| 1024-57-3 | Heptachlor epoxide | 0.83 | U |
| 959-98-8 | Endosulfan I | 0.83 | U |
| 60-57-1 | Dieldrin | 1.7 | U |
| 72-55-9 | 4,4'-DDE | 88.1 | EP |
| 72-20-8 | Endrin | 3.0 | P |
| 33213-65-9 | Endosulfan II | 1.7 | U |
| 72-54-8 | 4,4'-DDD | 53.8 | E |
| 1031-07-8 | Endosulfan sulfate | 1.7 | U |
| 50-29-3 | 4,4'-DDT | 75.4 | E |
| 72-43-5 | Methoxychlor | 8.3 | U |
| 53494-70-5 | Endrin ketone | 1.7 | U |
| 8001-35-2 | Toxaphene | 41.7 | U |
| 5103-74-2 | Gamma-chlordane | 0.83 | U |
| 5103-71-9 | Alpha-chlordane | 0.83 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02863SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64248S

Matrix: (soil/water) SOIL Lab Sample ID: 9604248-04

Sample wt/vol: 30.4 (g/mL) g Lab File ID: AKDKB61

% Moisture: 17 decanted: (Y/N) N Date Received: 04/12/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/13/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.79 | U |
| 319-85-7 | beta-BHC | 0.79 | U |
| 319-86-8 | delta-BHC | 0.79 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.79 | U |
| 76-44-8 | Heptachlor | 0.79 | U |
| 309-00-2 | Aldrin | 0.79 | U |
| 1024-57-3 | Heptachlor epoxide | 0.79 | U |
| 959-98-8 | Endosulfan I | 0.79 | U |
| 60-57-1 | Dieldrin | 1.6 | U |
| 72-55-9 | 4,4'-DDE | 77.1 | EP |
| 72-20-8 | Endrin | 1.6 | U |
| 33213-65-9 | Endosulfan II | 1.6 | U |
| 72-54-8 | 4,4'-DDD | 42.8 | EP |
| 1031-07-8 | Endosulfan sulfate | 1.6 | U |
| 50-29-3 | 4,4'-DDT | 40.3 | E |
| 72-43-5 | Methoxychlor | 7.9 | U |
| 53494-70-5 | Endrin ketone | 1.6 | U |
| 8001-35-2 | Toxaphene | 39.6 | U |
| 5103-74-2 | Gamma-chlordane | 0.79 | U |
| 5103-71-9 | Alpha-chlordane | 0.79 | U |

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

BECH SAMPLE NO.

KW02864 SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64248S

Matrix: (soil/water) SOIL Lab Sample ID: 9604248-05

Sample wt/vol: 30.6 (g/mL) g Lab File ID: AKDKB62

% Moisture: 16 decanted: (Y/N) N Date Received: 04/12/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/13/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.78 | U |
| 319-85-7 | beta-BHC | 0.78 | U |
| 319-86-8 | delta-BHC | 0.78 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.78 | U |
| 76-44-8 | Heptachlor | 0.78 | U |
| 309-00-2 | Aldrin | 0.78 | U |
| 1024-57-3 | Heptachlor epoxide | 0.78 | U |
| 959-98-8 | Endosulfan I | 0.78 | U |
| 60-57-1 | Dieldrin | 1.6 | U |
| 72-55-9 | 4,4'-DDE | 66.6 | EP |
| 72-20-8 | Endrin | 1.6 | U |
| 33213-65-9 | Endosulfan II | 1.6 | U |
| 72-54-8 | 4,4'-DDD | 21.7 | EP |
| 1031-07-8 | Endosulfan sulfate | 1.6 | U |
| 50-29-3 | 4,4'-DDT | 33.7 | EP |
| 72-43-5 | Methoxychlor | 7.8 | U |
| 53494-70-5 | Endrin ketone | 1.6 | U |
| 8001-35-2 | Toxaphene | 38.9 | U |
| 5103-74-2 | Gamma-chlordane | 0.78 | U |
| 5103-71-9 | Alpha-chlordane | 0.78 | U |

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

BECH SAMPLE NO.

KW02865 SFS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 64248S

Matrix: (soil/water) SOIL Lab Sample ID: 9604248-06

Sample wt/vol: 30.5 (g/mL) g Lab File ID: AKDKB63

% Moisture: 16 decanted: (Y/N) N Date Received: 04/12/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/13/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 04/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.78 | U |
| 319-85-7 | beta-BHC | 1.5 | P |
| 319-86-8 | delta-BHC | 0.78 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.78 | U |
| 76-44-8 | Heptachlor | 0.78 | U |
| 309-00-2 | Aldrin | 0.78 | U |
| 1024-57-3 | Heptachlor epoxide | 0.78 | U |
| 959-98-8 | Endosulfan I | 0.78 | U |
| 60-57-1 | Dieldrin | 1.6 | U |
| 72-55-9 | 4,4'-DDE | 70.5 | EP |
| 72-20-8 | Endrin | 1.6 | U |
| 33213-65-9 | Endosulfan II | 1.6 | U |
| 72-54-8 | 4,4'-DDD | 21.3 | EP |
| 1031-07-8 | Endosulfan sulfate | 1.6 | U |
| 50-29-3 | 4,4'-DDT | 42.3 | EP |
| 72-43-5 | Methoxychlor | 7.8 | U |
| 53494-70-5 | Endrin ketone | 1.6 | U |
| 8001-35-2 | Toxaphene | 39.0 | U |
| 5103-74-2 | Gamma-chlordane | 0.78 | U |
| 5103-71-9 | Alpha-chlordane | 0.78 | U |

Per form 1 fax

**SWMU-9**
**Confirmation Sample ID / Location**
**Cross Reference Index**

| Sample ID | Station ID | Depth | Parameters | Comments |
|---|---|---|---|---|
| 2866 | DRUM 1 | N / A | TCL VOCs, TCLP VOCs | Drill cutting |
| 2867 | DRUM 2 | N / A | TCL VOCs | Development Water |
| 2868 | MW 25D | N / A | TCL VOCs | Grab sample |
| 2869 | SP-5 | N / A | TSS, HARDNESS, METALS, TDS, TOC | Before treatment |
| 2870 | SP-5 | N / A | TRPH, TCL VOCs, NAPHTHALENE | Before treatment |
| 2871 | SP-6 | N / A | TRPH, TCL VOCs, NAPHTHALENE | After treatment |
| 2872 | SP-5 | N / A | TRPH, TCL VOCs, NAPHTHALENE | Before treatment |
| 2873 | SP-6 | N / A | TRPH, TCL VOCs, NAPHTHALENE | After treatment |
| 2874 | SP-5 | N / A | TRPH, TCL VOCs, NAPHTHALENE | Before treatment |
| 2875 | SP-6 | N / A | TRPH, TCL VOCs, NAPHTHALENE | After treatment |
| 2876 | SP-5 | N / A | TRPH, TCL VOCs, NAPHTHALENE | Before treatment |
| 2877 | SP-6 | N / A | TRPH, TCL VOCs, NAPHTHALENE | After treatment |
| 2878 | RW-2 | N / A | METALS, TDS, pH, ALKALINITY | Well port |
| 2879 | SP-6 | N / A | METALS, TDS, pH, ALKALINITY | After treatment |
| 2880 | SP-5 | N / A | TRPH, TCL VOCs, NAPHTHALENE | Before treatment |
| 2881 | SP-6 | N / A | TRPH, TCL VOCs, NAPHTHALENE | After treatment |
| 2882 | SP-5 | N / A | TRPH, TCL VOCs, NAPHTHALENE | Before treatment |
| 2883 | SP-6 | N / A | TCL VOCs, NAPHTHALENE | After treatment |
| 2884 | SP-5 | N / A | TCL VOCs, NAPHTHALENE | Before treatment |
| 2885 | SP-6 | N / A | TCL VOCs, NAPHTHALENE | After treatment |
| 2886 | RW-1 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2887 | RW-2 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2888 | RW-3 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2889 | SP-6 | N / A | TCL VOCs, NAPHTHALENE | After treatment |
| 2890 | RW-1 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2891 | RW-2 | N / A | TCL VOCs, NAPHTHALENE | Well port |

**SWMU-9**
**Confirmation Sample ID / Location**
**Cross Reference Index**

| | | | | |
|---|---|---|---|---|
| 2892 | RW-3 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2893 | SP-6 | N / A | TCL VOCs, NAPHTHALENE | After treatment |
| 2894 | RW-1 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2895 | RW-2 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2896 | RW-3 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2897 | SP-6 | N / A | TCL VOCs, NAPHTHALENE | After treatment |
| 2898 | RW-1 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2899 | RW-2 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2900 | RW-3 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2901 | SP-6 | N / A | TCL VOCs, NAPHTHALENE | After treatment |
| 2902 | RW-1 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2903 | RW-2 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2904 | RW-3 | N / A | TCL VOCs, NAPHTHALENE | Well port |
| 2907 | SP-6 | N / A | TCL VOCs, NAPHTHALENE | After treatment |
| 2908 | RW-3 | N / A | TCL VOCs, NAPHTHALENE | Well port |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02866SBS

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541S

Matrix: (soil/water) SOIL Lab Sample ID: 9607541-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2T310

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. 29 Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.8 | U |
| 74-83-9 | bromomethane | 2.8 | U |
| 75-01-4 | vinyl chloride | 2.8 | U |
| 75-00-3 | chloroethane | 2.8 | U |
| 75-09-2 | methylene chloride | 5.0 | JB |
| 67-64-1 | acetone | 14.1 | U |
| 75-15-0 | carbon disulfide | 7.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.8 | U |
| 75-34-3 | 1,1-dichloroethane | 2.8 | U |
| 156-60-5 | trans-1,2-dichloroethene | 2.8 | U |
| 67-66-3 | chloroform | 2.8 | U |
| 107-06-2 | 1,2-dichloroethane | 2.8 | U |
| 78-93-3 | 2-butanone | 7.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.8 | U |
| 56-23-5 | carbon tetrachloride | 2.8 | U |
| 75-27-4 | bromodichloromethane | 2.8 | U |
| 78-87-5 | 1,2-dichloropropane | 2.8 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.8 | U |
| 79-01-6 | trichloroethene | 2.8 | U |
| 124-48-1 | dibromochloromethane | 2.8 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.8 | U |
| 71-43-2 | benzene | 2.8 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.8 | U |
| 75-25-2 | bromoform | 2.8 | U |
| 108-10-1 | 4-methyl-2-pentanone | 7.0 | U |
| 591-78-6 | 2-hexanone | 7.0 | U |
| 127-18-4 | tetrachloroethene | 2.8 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.8 | U |
| 108-88-3 | toluene | 1.8 | JB |
| 108-90-7 | chlorobenzene | 2.8 | U |
| 100-41-4 | ethylbenzene | 2.8 | U |
| 100-42-5 | styrene | 2.8 | U |
| 108-05-4 | Vinyl Acetate | 4.0 | J |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02866SBS

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541S

Matrix: (soil/water) SOIL Lab Sample ID: 9607541-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2T310

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. 29 Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 1.4 | J |
| 1330-20-7 | xylenes (total) | 5.6 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02866SBS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541T

Matrix: (soil/water) TCLP Lab Sample ID: 9607541-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T224

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 75-01-4 | vinyl chloride | 20.0 | U |
| 75-35-4 | 1,1-dichloroethene | 20.0 | U |
| 67-66-3 | chloroform | 20.0 | U |
| 107-06-2 | 1,2-dichloroethane | 20.0 | U |
| 78-93-3 | 2-butanone | 50.0 | U |
| 56-23-5 | carbon tetrachloride | 20.0 | U |
| 79-01-6 | trichloroethene | 20.0 | U |
| 71-43-2 | benzene | 20.0 | U |
| 127-18-4 | tetrachloroethene | 20.0 | U |
| 108-88-3 | toluene | 4.1 | JB |
| 108-90-7 | chlorobenzene | 20.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 20.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02867GW

ɔ Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607541-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T217

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 1.5 | JB |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 29.1 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 0.43 | J |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 0.56 | J |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.25 | J |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

FORM I VOA

NAVY RAC PROJECT 22567-32) 3/90

BECHTEL ID NUMBER:
001-0217-002-01

0009

SC/PO SEQ SHT SUBMTL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02867GW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607541-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T217

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 22.1 | |
| 1330-20-7 | xylenes (total) | 4.0 | U |

NAVY RAC PROJECT 22567-321

BECHTEL ID NUMBER:

001-0217-002-01

SC/PO SEQ SHT SUBMTL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02867GW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541T

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607541-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T217

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 1.5 | JB |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 29.1 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 0.44 | J |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 0.56 | J |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.25 | J |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02867GW

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541T

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607541-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T217

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 22.1 | |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02868GW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607541-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T221

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 0.97 | JB |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 133 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 32.8 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 0.37 | J |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 0.28 | J |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 0.54 | J |
| 108-88-3 | toluene | 0.38 | J |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 0.24 | J |
| 100-42-5 | styrene | 0.95 | J |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02868GW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607541-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T221

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 87.9 | |
| 1330-20-7 | xylenes (total) | 0.24 | J |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02868GWDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541W

Matrix: (soil/water) WATER Lab Sample ID: 9607541-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T404

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. _____ Date Analyzed: 08/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 10.0 | U |
| 74-83-9 | bromomethane | 10.0 | U |
| 75-01-4 | vinyl chloride | 10.0 | U |
| 75-00-3 | chloroethane | 10.0 | U |
| 75-09-2 | methylene chloride | 4.6 | JB |
| 67-64-1 | acetone | 50.0 | U |
| 75-15-0 | carbon disulfide | 25.0 | U |
| 75-35-4 | 1,1-dichloroethene | 10.0 | U |
| 75-34-3 | 1,1-dichloroethane | 10.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 150 | |
| 67-66-3 | chloroform | 10.0 | U |
| 107-06-2 | 1,2-dichloroethane | 10.0 | U |
| 78-93-3 | 2-butanone | 25.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 10.0 | U |
| 56-23-5 | carbon tetrachloride | 10.0 | U |
| 75-27-4 | bromodichloromethane | 10.0 | U |
| 78-87-5 | 1,2-dichloropropane | 10.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 10.0 | U |
| 79-01-6 | trichloroethene | 33.4 | |
| 124-48-1 | dibromochloromethane | 10.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 10.0 | U |
| 71-43-2 | benzene | 10.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 10.0 | U |
| 75-25-2 | bromoform | 10.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 25.0 | U |
| 591-78-6 | 2-hexanone | 25.0 | U |
| 127-18-4 | tetrachloroethene | 10.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 10.0 | U |
| 108-88-3 | toluene | 0.92 | JB |
| 108-90-7 | chlorobenzene | 10.0 | U |
| 100-41-4 | ethylbenzene | 10.0 | U |
| 100-42-5 | styrene | 0.79 | J |
| 108-05-4 | Vinyl Acetate | 25.0 | U |



08-05-1996 16:29 7661178 GENERAL ENGINEERING P.10

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02868GWDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67541W

Matrix: (soil/water) WATER Lab Sample ID: 9607541-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T404

Level: (low/med) LOW Date Received: 07/29/96

% Moisture: not dec. _____ Date Analyzed: 08/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 99.3 | |
| 91-20-3 | Naphthalene | 5.0 | U |
| 1330-20-7 | xylenes (total) | 20.0 | U |



08-05-1996 16:29 7661178 GENERAL ENGINEERING P.11

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 09, 1996 

| | |
|---|---|
| Sample ID | : KW02869 WWT |
| Lab ID | : 9607560-01 |
| Matrix | : WWT |
| Date Collected | : 07/29/96 |
| Date Received | : 07/30/96 |
| Priority | : Routine |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry | | | | | | | | | | | | |
| Hardness as CaCO3 | | 952 | 1.00 | 1.00 | mg/l | 1.0 | TSM | 08/05/96 | 0900 | 88245 | 1 | 1 |
| Solids, Total Dissolved | | 4620 | 6.30 | 10.0 | mg/l | 1.0 | LIB | 08/05/96 | 1520 | 88248 | 2 | 2 |
| Solids, Total Suspended | U | 8.00 | 31.5 | 50.0 | mg/l | 5.0 | LIB | 08/05/96 | 1315 | 88252 | 3 | 3 |
| Total Organic Carbon | | 18.9 | 0.143 | 1.00 | mg/l | 1.0 | LS | 08/09/96 | 0830 | 88486 | 4 | 3 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 215.2 |
| M 2 | EPA 160.1 |
| M 3 | EPA 160.2 |
| M 4 | EPA 415.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9607560-01.01 | KW0286902 |
| C 2 | 9607560-01.02 | KW0286904 |
| C 3 | 9607560-01.05 | KW0286905 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02869WWT

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00195_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 67560W

Matrix (soil/water): WATER Lab Sample ID: 9607560-01

Level (low/med): LOW__ Date Received: 07/30/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7440-70-2 | Calcium | 105000 | | E | P |
| 7439-89-6 | Iron | 69.1 | B | | P |
| 7439-95-4 | Magnesium | 123000 | | E | P |
| 7439-96-5 | Manganese | 7.2 | B | | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 01, 1996 

| | |
|---|---|
| Sample ID | : KW02870 WWT |
| Lab ID | : 9607560-02 |
| Matrix | : WWT |
| Date Collected | : 07/29/96 |
| Date Received | : 07/30/96 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 480 | 1000 | 1000 | ug/l | 1.0 | TSM | 07/31/96 | 1200 | 88043 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9607560-02.01 | KW0287001 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02870WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67560W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607560-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T222

Level: (low/med) LOW Date Received: 07/30/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 0.68 | JB |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 197 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 6.3 | |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 1.7 | J |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 0.38 | J |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.66 | J |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 5.0 | |
| 100-42-5 | styrene | 0.60 | J |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02870WWT

.b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67560W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607560-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T222

Level: (low/med) LOW Date Received: 07/30/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 146 | E |
| 91-20-3 | Naphthalene | 12.5 | B |
| 1330-20-7 | xylenes (total) | 6.2 | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02870WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67560W

Matrix: (soil/water) WATER Lab Sample ID: 9607560-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T307

Level: (low/med) LOW Date Received: 07/30/96

% Moisture: not dec. _____ Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 10.0 | U |
| 74-83-9 | bromomethane | 10.0 | U |
| 75-01-4 | vinyl chloride | 10.0 | U |
| 75-00-3 | chloroethane | 10.0 | U |
| 75-09-2 | methylene chloride | 3.6 | JB |
| 67-64-1 | acetone | 50.0 | U |
| 75-15-0 | carbon disulfide | 25.0 | U |
| 75-35-4 | 1,1-dichloroethene | 10.0 | U |
| 75-34-3 | 1,1-dichloroethane | 10.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 235 | |
| 67-66-3 | chloroform | 10.0 | U |
| 107-06-2 | 1,2-dichloroethane | 10.0 | U |
| 78-93-3 | 2-butanone | 10.3 | J |
| 71-55-6 | 1,1,1-trichloroethane | 10.0 | U |
| 56-23-5 | carbon tetrachloride | 10.0 | U |
| 75-27-4 | bromodichloromethane | 10.0 | U |
| 78-87-5 | 1,2-dichloropropane | 10.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 10.0 | U |
| 79-01-6 | trichloroethene | 10.0 | U |
| 124-48-1 | dibromochloromethane | 10.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 10.0 | U |
| 71-43-2 | benzene | 2.2 | J |
| 10061-02-6 | trans-1,3-dichloropropene | 10.0 | U |
| 75-25-2 | bromoform | 10.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 25.0 | U |
| 591-78-6 | 2-hexanone | 25.0 | U |
| 127-18-4 | tetrachloroethene | 10.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 10.0 | U |
| 108-88-3 | toluene | 1.2 | JB |
| 108-90-7 | chlorobenzene | 10.0 | U |
| 100-41-4 | ethylbenzene | 5.5 | J |
| 100-42-5 | styrene | 10.0 | U |
| 108-05-4 | Vinyl Acetate | 25.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02870WWTDL1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67560W

Matrix: (soil/water) WATER Lab Sample ID: 9607560-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T307

Level: (low/med) LOW Date Received: 07/30/96

% Moisture: not dec. _____ Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 169 | |
| 91-20-3 | Naphthalene | 14.7 | B |
| 1330-20-7 | xylenes (total) | 20.0 | U |

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 01, 1996 

| | |
|---|---|
| Sample ID | : KW02871 WWT |
| Lab ID | : 9607560-03 |
| Matrix | : WWT |
| Date Collected | : 07/29/96 |
| Date Received | : 07/30/96 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 440 | 1000 | 1000 | ug/l | 1.0 | TSM | 07/31/96 | 1200 | 88043 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9607560-03.01 | KW0287101 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02871WWT

.b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67560W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607560-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T223

Level: (low/med) LOW Date Received: 07/30/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 1.2 | JB |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 2.0 | U |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 6.8 | |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.15 | J |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02871WWT

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67560W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9607560-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T223

Level: (low/med) LOW Date Received: 07/30/96

% Moisture: not dec. _____ Date Analyzed: 07/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.0 | U |
| 91-20-3 | Naphthalene | 4.6 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 02, 1996 

| | |
|---|---|
| Sample ID | : KW02872 WWT |
| Lab ID | : 9607591-01 |
| Matrix | : WWT |
| Date Collected | : 07/30/96 |
| Date Received | : 07/31/96 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 470 | 1000 | 1000 | ug/l | 1.0 | TSM | 07/31/96 | 1200 | 88043 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9607591-01.02 | KW0287201 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02872WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67591W

Matrix: (soil/water) WATER Lab Sample ID: 9607591-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T304

Level: (low/med) LOW Date Received: 07/31/96

% Moisture: not dec. _____ Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 0.64 | JB |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 202 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 4.6 | J |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 4.2 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.28 | JB |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 11.9 | |
| 100-42-5 | styrene | 0.23 | J |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02872WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67591W

Matrix: (soil/water) WATER Lab Sample ID: 9607591-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T304

Level: (low/med) LOW Date Received: 07/31/96

% Moisture: not dec. _____ Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 150 | E |
| 91-20-3 | Naphthalene | 33.6 | B |
| 1330-20-7 | xylenes (total) | 14.7 | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02872WWTDL1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67591W

Matrix: (soil/water) WATER Lab Sample ID: 9607591-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T308

Level: (low/med) LOW Date Received: 07/31/96

% Moisture: not dec. _____ Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 10.0 | U |
| 74-83-9 | bromomethane | 10.0 | U |
| 75-01-4 | vinyl chloride | 10.0 | U |
| 75-00-3 | chloroethane | 10.0 | U |
| 75-09-2 | methylene chloride | 4.6 | JBD |
| 67-64-1 | acetone | 50.0 | U |
| 75-15-0 | carbon disulfide | 25.0 | U |
| 75-35-4 | 1,1-dichloroethene | 10.0 | U |
| 75-34-3 | 1,1-dichloroethane | 10.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 141 | D |
| 67-66-3 | chloroform | 10.0 | U |
| 107-06-2 | 1,2-dichloroethane | 10.0 | U |
| 78-93-3 | 2-butanone | 25.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 10.0 | U |
| 56-23-5 | carbon tetrachloride | 10.0 | U |
| 75-27-4 | bromodichloromethane | 10.0 | U |
| 78-87-5 | 1,2-dichloropropane | 10.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 10.0 | U |
| 79-01-6 | trichloroethene | 10.0 | U |
| 124-48-1 | dibromochloromethane | 10.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 10.0 | U |
| 71-43-2 | benzene | 2.5 | JD |
| 10061-02-6 | trans-1,3-dichloropropene | 10.0 | U |
| 75-25-2 | bromoform | 10.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 25.0 | U |
| 591-78-6 | 2-hexanone | 25.0 | U |
| 127-18-4 | tetrachloroethene | 10.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 10.0 | U |
| 108-88-3 | toluene | 0.68 | JBD |
| 108-90-7 | chlorobenzene | 10.0 | U |
| 100-41-4 | ethylbenzene | 7.5 | JD |
| 100-42-5 | styrene | 10.0 | U |
| 108-05-4 | Vinyl Acetate | 25.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02872WWTDL1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67591W

Matrix: (soil/water) WATER Lab Sample ID: 9607591-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T308

Level: (low/med) LOW Date Received: 07/31/96

% Moisture: not dec. _____ Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 112 | D |
| 91-20-3 | Naphthalene | 27.9 | BD |
| 1330-20-7 | xylenes (total) | 20.0 | U |

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 02, 1996 

| | |
|---|---|
| Sample ID | : KW02873 WWT |
| Lab ID | : 9607591-02 |
| Matrix | : WWT |
| Date Collected | : 07/30/96 |
| Date Received | : 07/31/96 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 350 | 1000 | 1000 | ug/l | 1.0 | TSM | 07/31/96 | 1200 | 88043 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9607591-02.01 | KW0287302 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02873WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67591W

Matrix: (soil/water) WATER Lab Sample ID: 9607591-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T305

Level: (low/med) LOW Date Received: 07/31/96

% Moisture: not dec. _____ Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 2.0 | U |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 3.1 | J |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 0.17 | J |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02873WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 67591W

Matrix: (soil/water) WATER Lab Sample ID: 9607591-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2T305

Level: (low/med) LOW Date Received: 07/31/96

% Moisture: not dec. _____ Date Analyzed: 07/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.0 | U |
| 91-20-3 | Naphthalene | 3.7 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 07, 1996 

| | |
|---|---|
| Sample ID | : KW02874 GWT |
| Lab ID | : 9608087-01 |
| Matrix | : GWT |
| Date Collected | : 08/02/96 |
| Date Received | : 08/05/96 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 126 | 1000 | 1000 | ug/l | 1.0 | SDW | 08/07/96 | 0900 | 88339 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9608087-01.02 | KW0287402 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |

P O Box 30712 • Charleston, SC 29417 • (803) 556-8171 • Fax (803) 766-1178 *9608087-01*

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02874GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68087W

Matrix: (soil/water) WATER Lab Sample ID: 9608087-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U207

Level: (low/med) LOW Date Received: 08/05/96

% Moisture: not dec. _____ Date Analyzed: 08/06/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 5.9 | J |
| 75-15-0 | carbon disulfide | 0.76 | J |
| 75-35-4 | 1,1-dichloroethene | 0.28 | J |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 397 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 1.1 | J |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 0.95 | J |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 7.9 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.24 | J |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 15.4 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

06

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02874GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68087W

Matrix: (soil/water) WATER Lab Sample ID: 9608087-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U207

Level: (low/med) LOW Date Received: 08/05/96

% Moisture: not dec. _____ Date Analyzed: 08/06/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 263 | E |
| 91-20-3 | Naphthalene | 23.2 | |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02874GWTDL1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68087W

Matrix: (soil/water) WATER Lab Sample ID: 9608087-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U209

Level: (low/med) LOW Date Received: 08/05/96

% Moisture: not dec. _____ Date Analyzed: 08/06/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 40.0 | U |
| 74-83-9 | bromomethane | 40.0 | U |
| 75-01-4 | vinyl chloride | 40.0 | U |
| 75-00-3 | chloroethane | 40.0 | U |
| 75-09-2 | methylene chloride | 5.2 | JD |
| 67-64-1 | acetone | 200 | U |
| 75-15-0 | carbon disulfide | 100 | U |
| 75-35-4 | 1,1-dichloroethene | 40.0 | U |
| 75-34-3 | 1,1-dichloroethane | 40.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 492 | D |
| 67-66-3 | chloroform | 40.0 | U |
| 107-06-2 | 1,2-dichloroethane | 40.0 | U |
| 78-93-3 | 2-butanone | 100 | U |
| 71-55-6 | 1,1,1-trichloroethane | 40.0 | U |
| 56-23-5 | carbon tetrachloride | 40.0 | U |
| 75-27-4 | bromodichloromethane | 40.0 | U |
| 78-87-5 | 1,2-dichloropropane | 40.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 40.0 | U |
| 79-01-6 | trichloroethene | 40.0 | U |
| 124-48-1 | dibromochloromethane | 40.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 40.0 | U |
| 71-43-2 | benzene | 40.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 40.0 | U |
| 75-25-2 | bromoform | 40.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 100 | U |
| 591-78-6 | 2-hexanone | 100 | U |
| 127-18-4 | tetrachloroethene | 40.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 40.0 | U |
| 108-88-3 | toluene | 40.0 | U |
| 108-90-7 | chlorobenzene | 40.0 | U |
| 100-41-4 | ethylbenzene | 16.1 | JD |
| 100-42-5 | styrene | 40.0 | U |
| 108-05-4 | Vinyl Acetate | 100 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02874GWTDL1

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68087W

Matrix: (soil/water) WATER Lab Sample ID: 9608087-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U209

Level: (low/med) LOW Date Received: 08/05/96

% Moisture: not dec. _____ Date Analyzed: 08/06/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 270 | D |
| 91-20-3 | Naphthalene | 48.5 | DB |
| 1330-20-7 | xylenes (total) | 80.0 | U |

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 07, 1996 

| | |
|---|---|
| Sample ID | : KW02875 GWT |
| Lab ID | : 9608087-02 |
| Matrix | : GWT |
| Date Collected | : 08/02/96 |
| Date Received | : 08/05/96 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 107 | 1000 | 1000 | ug/l | 1.0 | SDW | 08/07/96 | 0900 | 88339 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9608087-02.02 | KW0287501 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02875GWT

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68087W

Matrix: (soil/water) WATER Lab Sample ID: 9608087-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U208

Level: (low/med) LOW Date Received: 08/05/96

% Moisture: not dec. _____ Date Analyzed: 08/06/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 4.6 | J |
| 75-15-0 | carbon disulfide | 0.85 | J |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 0.46 | J |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 2.9 | J |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02875GWT

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68087W

Matrix: (soil/water) WATER Lab Sample ID: 9608087-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U208

Level: (low/med) LOW Date Received: 08/05/96

% Moisture: not dec. _____ Date Analyzed: 08/06/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 1.2 | J |
| 91-20-3 | Naphthalene | 5.4 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 20, 1996 

| | |
|---|---|
| Sample ID | : KW02876 GWT |
| Lab ID | : 9608366-01 |
| Matrix | : GWT |
| Date Collected | : 08/16/96 |
| Date Received | : 08/17/96 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 118 | 1000 | 1000 | ug/l | 1.0 | SDW | 08/19/96 | 1300 | 89089 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9608366-01.01 | KW0287602 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
KW02876GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68366W

Matrix: (soil/water) WATER Lab Sample ID: 9608366-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W106

Level: (low/med) LOW Date Received: 08/19/96

% Moisture: not dec. _____ Date Analyzed: 08/19/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 4.9 | J |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 255 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 3.7 | J |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 58.4 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 8.0 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.28 | J |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |



22567-321-001-0219-002-01

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02876GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68366W

Matrix: (soil/water) WATER Lab Sample ID: 9608366-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W106

Level: (low/med) LOW Date Received: 08/19/96

% Moisture: not dec. _____ Date Analyzed: 08/19/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 197 | E |
| 91-20-3 | Naphthalene | 27.0 | |
| 1330-20-7 | xylenes (total) | 18.4 | |

NAVY RAC PROJECT 22567-321
BECHTEL ID NUMBER:
001-0219-002-01
SC/PO SEQ SHT SUBMTL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
KW0287604
KW02876GWTDL1

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68366W

Matrix: (soil/water) WATER Lab Sample ID: 9608366-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W108

Level: (low/med) LOW Date Received: 08/19/96

% Moisture: not dec. _____ Date Analyzed: 08/19/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or µg/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 40.0 | U |
| 74-83-9 | bromomethane | 40.0 | U |
| 75-01-4 | vinyl chloride | 40.0 | U |
| 75-00-3 | chloroethane | 40.0 | U |
| 75-09-2 | methylene chloride | 100 | U |
| 67-64-1 | acetone | 200 | U |
| 75-15-0 | carbon disulfide | 100 | U |
| 75-35-4 | 1,1-dichloroethene | 40.0 | U |
| 75-34-3 | 1,1-dichloroethane | 40.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 532 | D |
| 67-66-3 | chloroform | 40.0 | U |
| 107-06-2 | 1,2-dichloroethane | 40.0 | U |
| 78-93-3 | 2-butanone | 14.1 | JD |
| 71-55-6 | 1,1,1-trichloroethane | 40.0 | U |
| 56-23-5 | carbon tetrachloride | 40.0 | U |
| 75-27-4 | bromodichloromethane | 40.0 | U |
| 78-87-5 | 1,2-dichloropropane | 40.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 40.0 | U |
| 79-01-6 | trichloroethene | 59.3 | D |
| 124-48-1 | dibromochloromethane | 40.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 40.0 | U |
| 71-43-2 | benzene | 7.9 | JD |
| 10061-02-6 | trans-1,3-dichloropropene | 40.0 | U |
| 75-25-2 | bromoform | 40.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 100 | U |
| 591-78-6 | 2-hexanone | 100 | U |
| 127-18-4 | tetrachloroethene | 40.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 40.0 | U |
| 108-88-3 | toluene | 40.0 | U |
| 108-90-7 | chlorobenzene | 40.0 | U |
| 100-41-4 | ethylbenzene | 40.0 | U |
| 100-42-5 | styrene | 40.0 | U |
| 108-05-4 | Vinyl Acetate | 100 | U |

NAVY RAC PROJECT 22567-321

FORM I VOA BECHTEL ID NUMBER: OLM03.0

001-0219-002-01 _ 0 1 1

SC/PO SEQ SHT SUBMTL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02876GWTDL1

.b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68366W

Matrix: (soil/water) WATER Lab Sample ID: 9608366-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W108

Level: (low/med) LOW Date Received: 08/19/96

% Moisture: not dec. _____ Date Analyzed: 08/19/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 299 | D |
| 91-20-3 | Naphthalene | 40.0 | U |
| 1330-20-7 | xylenes (total) | 80.0 | U |

NAVY RAC PROJECT 22567-321
BECHTEL ID NUMBER:
001-0219-002-01
SC/PO SEQ SHT SUBMTL

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 20, 1996 

| | |
|---|---|
| Sample ID | : KW02877 GWT |
| Lab ID | : 9608366-02 |
| Matrix | : GWT |
| Date Collected | : 08/16/96 |
| Date Received | : 08/17/96 |
| Priority | : Urgent |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 85.6 | 1000 | 1000 | ug/l | 1.0 | SDW | 08/19/96 | 1300 | 89089 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9608366-02.02 | KW0287702 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
KW0287703

KW02877GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68366W

Matrix: (soil/water) WATER Lab Sample ID: 9608366-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W105

Level: (low/med) LOW Date Received: 08/19/96

% Moisture: not dec. _____ Date Analyzed: 08/19/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 8.7 | J |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 0.86 | J |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 10.8 | |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02877GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68366W

Matrix: (soil/water) WATER Lab Sample ID: 9608366-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W105

Level: (low/med) LOW Date Received: 08/19/96

% Moisture: not dec. _____ Date Analyzed: 08/19/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.6 | |
| 91-20-3 | Naphthalene | 8.9 | |
| 1330-20-7 | xylenes (total) | 4.0 | U |

NAVY RAC PROJECT 22587-321
BECHTEL ID NUMBER:
001-0219-002-01
SC/PO SEQ SHT SUBMTL

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 28, 1996 

| | |
|---|---|
| Sample ID | : KW02878 GWT |
| Lab ID | : 9608366-03 |
| Matrix | : GWT |
| Date Collected | : 08/16/96 |
| Date Received | : 08/17/96 |
| Priority | : Rush |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals Analysis | | | | | | | | | | | | |
| Calcium | | 103000 | 7.00 | 250 | ug/l | 1.0 | JSS | 08/21/96 | 1128 | 89163 | 1 | 1 |
| General Chemistry | | | | | | | | | | | | |
| Alkalinity, Total as CaCO3 | | 442 | 1.00 | 1.00 | mg/l | 1.0 | SDW | 08/22/96 | 1030 | 89348 | 2 | 2 |
| Langlier Corrosion Index | | -0.0400 | -99.0 | -99.0 | | 1.0 | JBH | 08/23/96 | 1030 | 89349 | 3 | N |
| *pH - 2 items* | | | | | | | | | | | | |
| pH | | 7.26 | 0.0100 | 0.0100 | SU | 1.0 | JEN | 08/19/96 | 1414 | 89112 | 4 | N |
| pH Temperature | | 23.5 | 0.100 | 0.100 | C | 1.0 | | | | | | |
| Solids, Total Dissolved | | 3980 | 6.30 | 10.0 | mg/l | 1.0 | LIB | 08/21/96 | 1530 | 89270 | 5 | 2 |

The following prep procedures were performed:

| | | | | | | |
|---|---|---|---|---|---|---|
| ICP | FGD | 08/20/96 | 1400 | 89163 | 6 | |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 6010A |
| M 2 | EPA 310.1 |
| M 3 | SM 16th ed. 203 |
| M 4 | EPA 150.1 |
| M 5 | EPA 160.1 |
| M 6 | EPA 3005 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9608366-03.03 | KW0287805 |
| C 2 | 9608366-03.02 | KW0287804 |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW 028780 1

KW02878GWT

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00595_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68366W

Matrix (soil/water): WATER Lab Sample ID: 9608366-03

Level (low/med): LOW__ Date Received: 08/17/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7440-70-2 | Calcium__ | 103000 | | | P_ |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

## CERTIFICATE OF ANALYSIS

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: August 28, 1996 

| | |
|---|---|
| Sample ID | : KW02879 GWT |
| Lab ID | : 9608366-04 |
| Matrix | : GWT |
| Date Collected | : 08/16/96 |
| Date Received | : 08/17/96 |
| Priority | : Rush |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals Analysis | | | | | | | | | | | | |
| Calcium | | 109000 | 7.00 | 250 | ug/l | 1.0 | JSS | 08/21/96 | 1123 | 89163 | 1 | 1 |
| General Chemistry | | | | | | | | | | | | |
| Alkalinity, Total as CaCO3 | | 458 | 1.00 | 1.00 | mg/l | 1.0 | SDW | 08/22/96 | 1030 | 89348 | 2 | 2 |
| Langlier Corrosion Index | | 1.13 | -99.0 | -99.0 | | 1.0 | JBH | 08/23/96 | 1030 | 89349 | 3 | N |
| *pH - 2 items* | | | | | | | | | | | | |
| pH | | 8.53 | 0.0100 | 0.0100 | SU | 1.0 | JEN | 08/18/96 | 1416 | 89112 | 4 | N |
| pH Temperature | | 22.6 | 0.100 | 0.100 | C | 1.0 | | | | | | |
| Solids, Total Dissolved | | 4570 | 6.30 | 10.0 | mg/l | 1.0 | LIB | 08/21/96 | 1530 | 89270 | 5 | 2 |

The following prep procedures were performed:

| | | | | | |
|---|---|---|---|---|---|
| ICP | FGD | 08/20/96 | 1400 | 89163 | 6 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 6010A |
| M 2 | EPA 310.1 |
| M 3 | SM 16th ed. 203 |
| M 4 | EPA 150.1 |
| M 5 | EPA 160.1 |
| M 6 | EPA 3005 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9608366-04.04 | KW0287901 |
| C 2 | 9608366-04.02 | KW0287904 |

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KW02879GWT

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00595_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68366W

Matrix (soil/water): WATER Lab Sample ID: 9608366-04

Level (low/med): LOW__ Date Received: 08/17/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7440-70-2 | Calcium__ | 109000 | | | P_ |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

| | |
|---|---|
| Client: | Bechtel<br>PO Box 350<br>Oak Ridge, Tennessee 37831-0350 |
| Contact: | Ms. Lori Davenport |
| Project Description: | Key West/KW |

cc: BECH00195 Report Date: September 10, 1996 

| | |
|---|---|
| Sample ID | : KW02880 WWT |
| Lab ID | : 9608579-01 |
| Matrix | : WWT |
| Date Collected | : 08/28/96 |
| Date Received | : 08/29/96 |
| Priority | : Rush |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 156 | 1000 | 1000 | ug/l | 1.0 | SDW | 09/03/96 | 1700 | 89899 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9608579-01.02 | KW0288002 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |

55

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*9608579-01*

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
KW0288005

KW02880WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68579W

Matrix: (soil/water) WATER Lab Sample ID: 9608579-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y216

Level: (low/med) LOW Date Received: 08/29/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane ✓ | 2.0 | U |
| 75-01-4 | vinyl chloride ✓ | 2.0 | U |
| 75-00-3 | chloroethane ✓ | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 0.52 | J |
| 156-60-5 | trans-1,2-dichloroethene | 260 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 25.2 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 14.6 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.24 | JB |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 23.6 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02880WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68579W

Matrix: (soil/water) WATER Lab Sample ID: 9608579-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y216

Level: (low/med) LOW Date Received: 08/29/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 199 | E |
| 91-20-3 | Naphthalene | 45.7 | |
| 1330-20-7 | xylenes (total) | 0.18 | J |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02880WWTDL1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68579W

Matrix: (soil/water) WATER Lab Sample ID: 9608579-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y305

Level: (low/med) LOW Date Received: 08/29/96

% Moisture: not dec. _____ Date Analyzed: 09/04/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 20.0 | U |
| 74-83-9 | bromomethane | 20.0 | U |
| 75-01-4 | vinyl chloride | 20.0 | U |
| 75-00-3 | chloroethane | 20.0 | U |
| 75-09-2 | methylene chloride | 67.8 | BD |
| 67-64-1 | acetone | 100 | U |
| 75-15-0 | carbon disulfide | 50.0 | U |
| 75-35-4 | 1,1-dichloroethene | 20.0 | U |
| 75-34-3 | 1,1-dichloroethane | 20.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 319 | D |
| 67-66-3 | chloroform | 20.0 | U |
| 107-06-2 | 1,2-dichloroethane | 20.0 | U |
| 78-93-3 | 2-butanone | 50.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 20.0 | U |
| 56-23-5 | carbon tetrachloride | 20.0 | U |
| 75-27-4 | bromodichloromethane | 20.0 | U |
| 78-87-5 | 1,2-dichloropropane | 20.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 20.0 | U |
| 79-01-6 | trichloroethene | 20.7 | D |
| 124-48-1 | dibromochloromethane | 20.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 20.0 | U |
| 71-43-2 | benzene | 12.9 | JD |
| 10061-02-6 | trans-1,3-dichloropropene | 20.0 | U |
| 75-25-2 | bromoform | 20.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 4.6 | JBD |
| 591-78-6 | 2-hexanone | 50.0 | U |
| 127-18-4 | tetrachloroethene | 20.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 20.0 | U |
| 108-88-3 | toluene | 1.2 | JBD |
| 108-90-7 | chlorobenzene | 20.0 | U |
| 100-41-4 | ethylbenzene | 19.7 | JD |
| 100-42-5 | styrene | 20.0 | U |
| 108-05-4 | Vinyl Acetate | 50.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02880WWTDL1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68579W

Matrix: (soil/water) WATER Lab Sample ID: 9608579-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y305

Level: (low/med) LOW Date Received: 08/29/96

% Moisture: not dec. _____ Date Analyzed: 09/04/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 226 | D |
| 91-20-3 | Naphthalene | 33.5 | D |
| 1330-20-7 | xylenes (total) | 25.0 | JD |

# GENERAL ENGINEERING LABORATORIES

*Meeting today's needs with a vision for tomorrow.*

Client: Bechtel
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Key West/KW

cc: BECH00195 Report Date: September 10, 1996 

| | |
|---|---|
| Sample ID | : KW02881 WWT |
| Lab ID | : 9608579-02 |
| Matrix | : WWT |
| Date Collected | : 08/28/96 |
| Date Received | : 08/29/96 |
| Priority | : Rush |
| Collector | : Client |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | M | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry | | | | | | | | | | | | |
| Total Rec. Petro. Hydrocarbons | U | 123 | 1000 | 1000 | ug/l | 1.0 | SDW | 09/03/96 | 1700 | 89899 | 1 | 1 |

| M = Method | Method-Description |
|---|---|
| M 1 | EPA 418.1 |

| C = Container | Lab. Container ID | Reference ID |
|---|---|---|
| C 1 | 9608579-02.02 | KW0288102 |

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

| GEL Laboratory Certifications | | EPI Laboratory Certifications | |
|---|---|---|---|
| AL - 41040 | AZ - AZ0514 | AL - 41050 | AZ - AZ0514 |



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*9608579-02*

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
KW02881WWT

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68579W

Matrix: (soil/water) WATER Lab Sample ID: 9608579-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y217

Level: (low/med) LOW Date Received: 08/29/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 0.042 | J |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 0.47 | J |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.12 | JB |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02881WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68579W

Matrix: (soil/water) WATER Lab Sample ID: 9608579-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y217

Level: (low/med) LOW Date Received: 08/29/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 1.3 | J |
| 91-20-3 | Naphthalene | 17.6 | |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW0288201

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 95211

Lab Code: INCHVT Case No.: BOCA CHICA SAS No.: SDG No.: KW063

Matrix: (soil/water) WATER Lab Sample ID: 312260

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L312260D2V

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. _____ Date Analyzed: 09/09/96

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 31.2

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 31 | U |
| 75-01-4 | Vinyl Chloride | 31 | U |
| 74-83-9 | Bromomethane | 31 | U |
| 75-00-3 | Chloroethane | 31 | U |
| 67-64-1 | Acetone | 160 | U |
| 75-35-4 | 1,1-Dichloroethene | 31 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 660 | |
| 75-15-0 | Carbon Disulfide | 31 | U |
| 75-09-2 | Methylene Chloride | 9 | J |
| 75-34-3 | 1,1-Dichloroethane | 31 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 950 | |
| 156-59-2 | cis-1,2-Dichloroethene | 320 | |
| 78-93-3 | 2-Butanone | 160 | U |
| 67-66-3 | Chloroform | 31 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 31 | U |
| 56-23-5 | Carbon Tetrachloride | 31 | U |
| 107-06-2 | 1,2-Dichloroethane | 31 | U |
| 71-43-2 | Benzene | 9 | J |
| 79-01-6 | Trichloroethene | 160 | |
| 78-87-5 | 1,2-Dichloropropane | 31 | U |
| 75-27-4 | Bromodichloromethane | 31 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 160 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 31 | U |
| 108-88-3 | Toluene | 31 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 31 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 31 | U |
| 591-78-6 | 2-Hexanone | 160 | U |
| 127-18-4 | Tetrachloroethene | 31 | U |
| 124-48-1 | Dibromochloromethane | 31 | U |
| 108-90-7 | Chlorobenzene | 31 | U |
| 100-41-4 | Ethylbenzene | 9 | J |
| 1330-20-7 | Xylene (total) | 31 | U |
| 100-42-5 | Styrene | 31 | U |

NAVY RAC PROJECT 22567-32

BECHTEL ID NUMBER: 494-0033-001-01

SC/PO SEQ SHT SUBMTL

FORM I VOA 3/90

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW0288201

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 95211

Lab Code: INCHVT Case No.: BOCA CHICA SAS No.: SDG No.: KW063

Matrix: (soil/water) WATER Lab Sample ID: 312260

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L312260D2V

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. _____ Date Analyzed: 09/09/96

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 31.2

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 75-25-2 | Bromoform | 31 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 31 | U |
| 91-20-3 | Naphthalene | 20 | J |

NAVY RAC PROJECT 22567-321
BECHTEL ID NUMBER:
494-0033-001-01
SC/PO SEQ SHT SUBMTL

# Inchcape Testing Services
Environmental Laboratories

55 South Park Drive
Colchester, VT 05446

75 Green Mountain Drive
South Burlington, VT 05403

## Analytical Report

Bechtel Environmental, Inc.
151 Lafayette Drive
P.O. Box 350
Oak Ridge, TN 37831-0350

Attention : Lori Davenport

Date : 09/10/96
ETR Number : 61136
Project No.: 95211
No. Samples: 8
Arrived : 09/06/96
P.O. Number: seir KW026



Case:Boca Chica SDG:KW063

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

| Lab No./ Method No. | Sample Description/ Parameter | Result |
|---|---|---|
| 312263 | KW0288204:09/05/96 (Water) | |
| 418.1 | Petroleum Hydrocarbons | <0.43 |

NAVY RAC PROJECT 22567-321

| BECHTEL ID NUMBER: 494-0033-001-01 | | | |
|---|---|---|---|
| SC/PO | SEQ | SHT | SUBMTL |

< Last Page > Submitted By : Aquatec Inc.



55 South Park Drive, Colchester, VT 05446 Tel 802 655 1203 • Fax 802 655 1218

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW0288301

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 95211

Lab Code: INCHVT Case No.: BOCA CHICA SAS No.: SDG No.: KW063

Matrix: (soil/water) WATER Lab Sample ID: 312265

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L312265V

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. _____ Date Analyzed: 09/09/96

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 0.5 | J |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 1 | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.7 | J |
| 78-93-3 | 2-Butanone | 5 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 79-01-6 | Trichloroethene | 0.3 | J |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 108-88-3 | Toluene | 1 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 127-18-4 | Tetrachloroethene | 0.4 | J |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethylbenzene | 0.2 | J |
| 1330-20-7 | Xylene (total) | 0.5 | J |
| 100-42-5 | Styrene | 1 | U |

NAVY RAC PROJECT 22567-32/
BECHTEL ID NUMBER: 494-0033-001-01
SC/PO SEQ SHT SUBMTL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW0288301

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 95211

Lab Code: INCHVT Case No.: BOCA CHICA SAS No.: SDG No.: KW063

Matrix: (soil/water) WATER Lab Sample ID: 312265

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L312265V

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. _____ Date Analyzed: 09/09/96

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 75-25-2 | Bromoform | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 91-20-3 | Naphthalene | 2 | |

NAVY RAC PROJECT 22387-321
BECHTEL ID NUMBER
494-0033-001-01
SC/PC SEQ SHT SUBNO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2884WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I104

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 2.8 | J |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 0.22 | J |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 354 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 136 | E |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 1.6 | J |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 1.7 | J |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2884WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I104

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 242 | E |
| 91-20-3 | Naphthalene | 3.9 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2884WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I114

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 10.0 | U |
| 74-83-9 | bromomethane | 10.0 | U |
| 75-01-4 | vinyl chloride | 10.0 | U |
| 75-00-3 | chloroethane | 10.0 | U |
| 75-09-2 | methylene chloride | 25.0 | U |
| 67-64-1 | acetone | 50.0 | U |
| 75-15-0 | carbon disulfide | 25.0 | U |
| 75-35-4 | 1,1-dichloroethene | 10.0 | U |
| 75-34-3 | 1,1-dichloroethane | 10.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 615 | E |
| 67-66-3 | chloroform | 10.0 | U |
| 107-06-2 | 1,2-dichloroethane | 10.0 | U |
| 78-93-3 | 2-butanone | 25.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 10.0 | U |
| 56-23-5 | carbon tetrachloride | 10.0 | U |
| 75-27-4 | bromodichloromethane | 10.0 | U |
| 78-87-5 | 1,2-dichloropropane | 10.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 10.0 | U |
| 79-01-6 | trichloroethene | 167 | |
| 124-48-1 | dibromochloromethane | 10.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 10.0 | U |
| 71-43-2 | benzene | 10.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 10.0 | U |
| 75-25-2 | bromoform | 10.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 25.0 | U |
| 591-78-6 | 2-hexanone | 25.0 | U |
| 127-18-4 | tetrachloroethene | 10.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 10.0 | U |
| 108-88-3 | toluene | 10.0 | U |
| 108-90-7 | chlorobenzene | 10.0 | U |
| 100-41-4 | ethylbenzene | 1.6 | J |
| 100-42-5 | styrene | 10.0 | U |
| 108-05-4 | Vinyl Acetate | 25.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2884WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I114

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 315 | |
| 91-20-3 | Naphthalene | 10.0 | U |
| 1330-20-7 | xylenes (total) | 20.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2884WWTDL2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-09

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I205

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/12/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 20.0 | U |
| 74-83-9 | bromomethane | 20.0 | U |
| 75-01-4 | vinyl chloride | 20.0 | U |
| 75-00-3 | chloroethane | 20.0 | U |
| 75-09-2 | methylene chloride | 50.0 | U |
| 67-64-1 | acetone | 100 | U |
| 75-15-0 | carbon disulfide | 50.0 | U |
| 75-35-4 | 1,1-dichloroethene | 20.0 | U |
| 75-34-3 | 1,1-dichloroethane | 20.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 499 | |
| 67-66-3 | chloroform | 20.0 | U |
| 107-06-2 | 1,2-dichloroethane | 20.0 | U |
| 78-93-3 | 2-butanone | 50.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 20.0 | U |
| 56-23-5 | carbon tetrachloride | 20.0 | U |
| 75-27-4 | bromodichloromethane | 20.0 | U |
| 78-87-5 | 1,2-dichloropropane | 20.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 20.0 | U |
| 79-01-6 | trichloroethene | 133 | |
| 124-48-1 | dibromochloromethane | 20.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 20.0 | U |
| 71-43-2 | benzene | 20.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 20.0 | U |
| 75-25-2 | bromoform | 20.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 50.0 | U |
| 591-78-6 | 2-hexanone | 50.0 | U |
| 127-18-4 | tetrachloroethene | 20.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 20.0 | U |
| 108-88-3 | toluene | 20.0 | U |
| 108-90-7 | chlorobenzene | 20.0 | U |
| 100-41-4 | ethylbenzene | 20.0 | U |
| 100-42-5 | styrene | 20.0 | U |
| 108-05-4 | Vinyl Acetate | 50.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2884WWTDL2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-09

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I205

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/12/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 273 | |
| 91-20-3 | Naphthalene | 3.6 | JB |
| 1330-20-7 | xylenes (total) | 40.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2885WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I112

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 24.3 | |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 14.3 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 4.6 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2885WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I112

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 10.5 | |
| 91-20-3 | Naphthalene | 0.80 | JB |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2885WWTCF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I113

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 36.1 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 9.8 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2885WWTCF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I113

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 22.9 | |
| 91-20-3 | Naphthalene | 0.60 | JB |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2885WWTCF1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I204

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/12/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 25.0 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 6.8 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW2885WWTCF1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I204

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/12/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 17.5 | |
| 91-20-3 | Naphthalene | 0.64 | JB |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02886WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I106

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 28.8 | |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 0.41 | J |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 458 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 197 | E |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.1 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 1.3 | J |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02886WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I106

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 347 | E |
| 91-20-3 | Naphthalene | 1.7 | JB |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02886WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I115

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 20.0 | U |
| 74-83-9 | bromomethane | 20.0 | U |
| 75-01-4 | vinyl chloride | 20.0 | U |
| 75-00-3 | chloroethane | 20.0 | U |
| 75-09-2 | methylene chloride | 50.0 | U |
| 67-64-1 | acetone | 100 | U |
| 75-15-0 | carbon disulfide | 50.0 | U |
| 75-35-4 | 1,1-dichloroethene | 20.0 | U |
| 75-34-3 | 1,1-dichloroethane | 20.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 937 | |
| 67-66-3 | chloroform | 20.0 | U |
| 107-06-2 | 1,2-dichloroethane | 20.0 | U |
| 78-93-3 | 2-butanone | 50.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 20.0 | U |
| 56-23-5 | carbon tetrachloride | 20.0 | U |
| 75-27-4 | bromodichloromethane | 20.0 | U |
| 78-87-5 | 1,2-dichloropropane | 20.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 20.0 | U |
| 79-01-6 | trichloroethene | 245 | |
| 124-48-1 | dibromochloromethane | 20.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 20.0 | U |
| 71-43-2 | benzene | 20.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 20.0 | U |
| 75-25-2 | bromoform | 20.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 50.0 | U |
| 591-78-6 | 2-hexanone | 50.0 | U |
| 127-18-4 | tetrachloroethene | 20.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 20.0 | U |
| 108-88-3 | toluene | 20.0 | U |
| 108-90-7 | chlorobenzene | 20.0 | U |
| 100-41-4 | ethylbenzene | 20.0 | U |
| 100-42-5 | styrene | 20.0 | U |
| 108-05-4 | Vinyl Acetate | 50.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02886WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I115

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 434 | |
| 91-20-3 | Naphthalene | 3.0 | JB |
| 1330-20-7 | xylenes (total) | 40.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02887WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I107

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 23.5 | |
| 75-15-0 | carbon disulfide | 3.5 | J |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 19.3 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 1.4 | J |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 1.8 | J |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 0.24 | JB |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 3.8 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02887WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I107

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 8.1 | |
| 91-20-3 | Naphthalene | 9.3 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02887WWTCF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I108

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 4.6 | J |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 22.4 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 1.7 | J |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 1.9 | J |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 3.8 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02887WWTCF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I108

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 9.5 | |
| 91-20-3 | Naphthalene | 8.0 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02888WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I111

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 25.7 | |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 0.63 | J |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 566 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 235 | E |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 0.32 | JB |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 0.69 | J |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02888WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I111

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 396 | E |
| 91-20-3 | Naphthalene | 0.81 | JB |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02888WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I116

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 20.0 | U |
| 74-83-9 | bromomethane | 20.0 | U |
| 75-01-4 | vinyl chloride | 20.0 | U |
| 75-00-3 | chloroethane | 20.0 | U |
| 75-09-2 | methylene chloride | 50.0 | U |
| 67-64-1 | acetone | 100 | U |
| 75-15-0 | carbon disulfide | 50.0 | U |
| 75-35-4 | 1,1-dichloroethene | 20.0 | U |
| 75-34-3 | 1,1-dichloroethane | 20.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 1210 | E |
| 67-66-3 | chloroform | 20.0 | U |
| 107-06-2 | 1,2-dichloroethane | 20.0 | U |
| 78-93-3 | 2-butanone | 50.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 20.0 | U |
| 56-23-5 | carbon tetrachloride | 20.0 | U |
| 75-27-4 | bromodichloromethane | 20.0 | U |
| 78-87-5 | 1,2-dichloropropane | 20.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 20.0 | U |
| 79-01-6 | trichloroethene | 320 | |
| 124-48-1 | dibromochloromethane | 20.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 20.0 | U |
| 71-43-2 | benzene | 20.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 20.0 | U |
| 75-25-2 | bromoform | 20.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 50.0 | U |
| 591-78-6 | 2-hexanone | 50.0 | U |
| 127-18-4 | tetrachloroethene | 20.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 20.0 | U |
| 108-88-3 | toluene | 20.0 | U |
| 108-90-7 | chlorobenzene | 20.0 | U |
| 100-41-4 | ethylbenzene | 20.0 | U |
| 100-42-5 | styrene | 20.0 | U |
| 108-05-4 | Vinyl Acetate | 50.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02888WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I116

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 566 | |
| 91-20-3 | Naphthalene | 20.0 | U |
| 1330-20-7 | xylenes (total) | 40.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02888WWTDL2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I206

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/12/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 40.0 | U |
| 74-83-9 | bromomethane | 40.0 | U |
| 75-01-4 | vinyl chloride | 40.0 | U |
| 75-00-3 | chloroethane | 40.0 | U |
| 75-09-2 | methylene chloride | 100 | U |
| 67-64-1 | acetone | 200 | U |
| 75-15-0 | carbon disulfide | 100 | U |
| 75-35-4 | 1,1-dichloroethene | 40.0 | U |
| 75-34-3 | 1,1-dichloroethane | 40.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 1090 | |
| 67-66-3 | chloroform | 40.0 | U |
| 107-06-2 | 1,2-dichloroethane | 40.0 | U |
| 78-93-3 | 2-butanone | 100 | U |
| 71-55-6 | 1,1,1-trichloroethane | 40.0 | U |
| 56-23-5 | carbon tetrachloride | 40.0 | U |
| 75-27-4 | bromodichloromethane | 40.0 | U |
| 78-87-5 | 1,2-dichloropropane | 40.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 40.0 | U |
| 79-01-6 | trichloroethene | 290 | |
| 124-48-1 | dibromochloromethane | 40.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 40.0 | U |
| 71-43-2 | benzene | 40.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 40.0 | U |
| 75-25-2 | bromoform | 40.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 100 | U |
| 591-78-6 | 2-hexanone | 100 | U |
| 127-18-4 | tetrachloroethene | 40.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 40.0 | U |
| 108-88-3 | toluene | 40.0 | U |
| 108-90-7 | chlorobenzene | 40.0 | U |
| 100-41-4 | ethylbenzene | 40.0 | U |
| 100-42-5 | styrene | 40.0 | U |
| 108-05-4 | Vinyl Acetate | 100 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02888WWTDL2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6B114W

Matrix: (soil/water) WATER Lab Sample ID: 9611114-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1I206

Level: (low/med) LOW Date Received: 11/07/96

% Moisture: not dec. _____ Date Analyzed: 11/12/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 530 | |
| 91-20-3 | Naphthalene | 40.0 | U |
| 1330-20-7 | xylenes (total) | 80.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02889 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M204

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 3.0 | JB |
| 67-64-1 | acetone | 3.3 | JB |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 0.34 | J |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02889 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M204

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 0.47 | J |
| 91-20-3 | Naphthalene | 1.9 | JB |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02890 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M211

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 2.3 | JB |
| 67-64-1 | acetone | 37.2 | B |
| 75-15-0 | carbon disulfide | 11.2 | |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 5.6 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 0.33 | J |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 0.96 | J |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 16.1 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 0.76 | J |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.30 | J |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 50.2 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02890 WWT

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M211

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.6 | |
| 91-20-3 | Naphthalene | 75.2 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02891 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M212

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 1.3 | JB |
| 67-64-1 | acetone | 50.6 | B |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 19.7 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 0.84 | J |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.8 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 7.7 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02891 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M212

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 8.7 | |
| 91-20-3 | Naphthalene | 22.6 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02892 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M213

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 2.0 | JB |
| 67-64-1 | acetone | 66.1 | B |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 0.59 | J |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 339 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 162 | E |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 1.8 | J |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 0.23 | J |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 1.2 | J |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02892 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M213

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 275 | E |
| 91-20-3 | Naphthalene | 1.5 | JB |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02892 WWTDL1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M307

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 40.0 | U |
| 74-83-9 | bromomethane | 40.0 | U |
| 75-01-4 | vinyl chloride | 40.0 | U |
| 75-00-3 | chloroethane | 40.0 | U |
| 75-09-2 | methylene chloride | 54.5 | JB |
| 67-64-1 | acetone | 200 | U |
| 75-15-0 | carbon disulfide | 100 | U |
| 75-35-4 | 1,1-dichloroethene | 40.0 | U |
| 75-34-3 | 1,1-dichloroethane | 40.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 1410 | D |
| 67-66-3 | chloroform | 40.0 | U |
| 107-06-2 | 1,2-dichloroethane | 40.0 | U |
| 78-93-3 | 2-butanone | 100 | U |
| 71-55-6 | 1,1,1-trichloroethane | 40.0 | U |
| 56-23-5 | carbon tetrachloride | 40.0 | U |
| 75-27-4 | bromodichloromethane | 40.0 | U |
| 78-87-5 | 1,2-dichloropropane | 40.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 40.0 | U |
| 79-01-6 | trichloroethene | 342 | D |
| 124-48-1 | dibromochloromethane | 40.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 40.0 | U |
| 71-43-2 | benzene | 40.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 40.0 | U |
| 75-25-2 | bromoform | 40.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 100 | U |
| 591-78-6 | 2-hexanone | 100 | U |
| 127-18-4 | tetrachloroethene | 40.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 40.0 | U |
| 108-88-3 | toluene | 40.0 | U |
| 108-90-7 | chlorobenzene | 40.0 | U |
| 100-41-4 | ethylbenzene | 40.0 | U |
| 100-42-5 | styrene | 40.0 | U |
| 108-05-4 | Vinyl Acetate | 100 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02892 WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6C075W

Matrix: (soil/water) WATER Lab Sample ID: 9612075-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1M307

Level: (low/med) LOW Date Received: 12/04/96

% Moisture: not dec. _____ Date Analyzed: 12/11/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 763 | D |
| 91-20-3 | Naphthalene | 7.4 | JB |
| 1330-20-7 | xylenes (total) | 80.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02893WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S307

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/22/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 3.3 | JB |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 22.7 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 3.1 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 0.52 | JB |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 1.3 | J |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02893WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S307

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/22/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 40.1 | |
| 91-20-3 | Naphthalene | 31.1 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02894WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S313

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/22/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 27.7 | |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 0.63 | J |
| 156-60-5 | trans-1,2-dichloroethene | 1.6 | J |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 0.30 | J |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 22.9 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 40.1 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02894WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S313

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/22/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.0 | U |
| 91-20-3 | Naphthalene | 79.1 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02895WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S314

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/22/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 16.6 | |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 23.6 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 0.64 | J |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 3.8 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 13.8 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02895WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S314

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/22/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 10.8 | |
| 91-20-3 | Naphthalene | 44.5 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02896WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S315

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/22/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 23.6 | |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 0.57 | J |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 352 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 76.5 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 1.3 | J |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02896WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S315

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/22/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 259 | E |
| 91-20-3 | Naphthalene | 1.7 | JB |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02896WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S407

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/23/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 40.0 | U |
| 74-83-9 | bromomethane | 40.0 | U |
| 75-01-4 | vinyl chloride | 40.0 | U |
| 75-00-3 | chloroethane | 40.0 | U |
| 75-09-2 | methylene chloride | 100 | U |
| 67-64-1 | acetone | 200 | U |
| 75-15-0 | carbon disulfide | 100 | U |
| 75-35-4 | 1,1-dichloroethene | 40.0 | U |
| 75-34-3 | 1,1-dichloroethane | 40.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 1030 | D |
| 67-66-3 | chloroform | 40.0 | U |
| 107-06-2 | 1,2-dichloroethane | 40.0 | U |
| 78-93-3 | 2-butanone | 100 | U |
| 71-55-6 | 1,1,1-trichloroethane | 40.0 | U |
| 56-23-5 | carbon tetrachloride | 40.0 | U |
| 75-27-4 | bromodichloromethane | 40.0 | U |
| 78-87-5 | 1,2-dichloropropane | 40.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 40.0 | U |
| 79-01-6 | trichloroethene | 130 | |
| 124-48-1 | dibromochloromethane | 40.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 40.0 | U |
| 71-43-2 | benzene | 40.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 40.0 | U |
| 75-25-2 | bromoform | 40.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 100 | U |
| 591-78-6 | 2-hexanone | 100 | U |
| 127-18-4 | tetrachloroethene | 40.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 40.0 | U |
| 108-88-3 | toluene | 40.0 | U |
| 108-90-7 | chlorobenzene | 40.0 | U |
| 100-41-4 | ethylbenzene | 40.0 | U |
| 100-42-5 | styrene | 40.0 | U |
| 108-05-4 | Vinyl Acetate | 100 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02896WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 71301W

Matrix: (soil/water) WATER Lab Sample ID: 9701301-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S407

Level: (low/med) LOW Date Received: 01/15/97

% Moisture: not dec. _____ Date Analyzed: 01/23/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 586 | |
| 91-20-3 | Naphthalene | 40.0 | U |
| 1330-20-7 | xylenes (total) | 80.0 | U |

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02897 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W305

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 17.7 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 0.71 | J |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02897 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W305

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 18.8 | |
| 91-20-3 | Naphthalene | 4.2 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02898 WAT

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W308

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 2.0 | U |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 5.2 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 15.6 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02898 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W308

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.0 | U |
| 91-20-3 | Naphthalene | 29.5 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02899 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W309

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 29.9 | |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 0.69 | J |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 3.5 | |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 12.8 | |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KWC2899 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W309

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 12.8 | |
| 91-20-3 | Naphthalene | 23.6 | B |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLMC3.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02900 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W310

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 287 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 35.6 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 1.0 | J |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

KW02900 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W310

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 239 | E |
| 91-20-3 | Naphthalene | 1.3 | JB |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02900 WWT DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W312

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 20.0 | U |
| 74-83-9 | bromomethane | 20.0 | U |
| 75-01-4 | vinyl chloride | 20.0 | U |
| 75-00-3 | chloroethane | 20.0 | U |
| 75-09-2 | methylene chloride | 3.9 | JB |
| 67-64-1 | acetone | 100 | U |
| 75-15-0 | carbon disulfide | 50.0 | U |
| 75-35-4 | 1,1-dichloroethene | 20.0 | U |
| 75-34-3 | 1,1-dichloroethane | 20.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 730 | D |
| 67-66-3 | chloroform | 20.0 | U |
| 107-06-2 | 1,2-dichloroethane | 20.0 | U |
| 78-93-3 | 2-butanone | 50.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 20.0 | U |
| 56-23-5 | carbon tetrachloride | 20.0 | U |
| 75-27-4 | bromodichloromethane | 20.0 | U |
| 78-87-5 | 1,2-dichloropropane | 20.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 20.0 | U |
| 79-01-6 | trichloroethene | 39.5 | |
| 124-48-1 | dibromochloromethane | 20.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 20.0 | U |
| 71-43-2 | benzene | 20.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 20.0 | U |
| 75-25-2 | bromoform | 20.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 50.0 | U |
| 591-78-6 | 2-hexanone | 50.0 | U |
| 127-18-4 | tetrachloroethene | 20.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 20.0 | U |
| 108-88-3 | toluene | 20.0 | U |
| 108-90-7 | chlorobenzene | 20.0 | U |
| 100-41-4 | ethylbenzene | 20.0 | U |
| 100-42-5 | styrene | 20.0 | U |
| 108-05-4 | Vinyl Acetate | 50.0 | U |

1A

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02900 WWT DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 72309W

Matrix: (soil/water) WATER Lab Sample ID: 9702309-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W312

Level: (low/med) LOW Date Received: 02/15/97

% Moisture: not dec. _____ Date Analyzed: 02/19/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 503 | D |
| 91-20-3 | Naphthalene | 20.0 | U |
| 1330-20-7 | xylenes (total) | 40.0 | U |

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02901 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A506

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/21/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 2.0 | U |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02901 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A506

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/21/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.0 | U |
| 91-20-3 | Naphthalene | 0.95 | J |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02902 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A510

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/21/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 0.93 | J ✓ |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U ✓ |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 4.8 | ✓ |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 16.0 | ✓ |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02902 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A510

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/21/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.0 | U |
| 91-20-3 | Naphthalene | 30.2 | |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02903 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A511

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/21/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 106 | E ✓ |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 5.4 | ✓ |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 3.4 | ✓ |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02903 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A511

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/21/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 60.5 | |
| 91-20-3 | Naphthalene | 12.3 | |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02904 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A512

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/21/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 242 | E ✓ |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 40.1 | ✓ |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 0.50 | J |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02904 WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A512

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/21/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 177 | E |
| 91-20-3 | Naphthalene | 1.1 | J |
| 1330-20-7 | xylenes (total) | 4.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02904 WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B205

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/25/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 10.0 | U |
| 74-83-9 | bromomethane | 10.0 | U |
| 75-01-4 | vinyl chloride | 10.0 | U |
| 75-00-3 | chloroethane | 10.0 | U |
| 75-09-2 | methylene chloride | 25.0 | U |
| 67-64-1 | acetone | 50.0 | U |
| 75-15-0 | carbon disulfide | 25.0 | U |
| 75-35-4 | 1,1-dichloroethene | 10.0 | U |
| 75-34-3 | 1,1-dichloroethane | 10.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 531 | D |
| 67-66-3 | chloroform | 10.0 | U |
| 107-06-2 | 1,2-dichloroethane | 10.0 | U |
| 78-93-3 | 2-butanone | 25.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 10.0 | U |
| 56-23-5 | carbon tetrachloride | 10.0 | U |
| 75-27-4 | bromodichloromethane | 10.0 | U |
| 78-87-5 | 1,2-dichloropropane | 10.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 10.0 | U |
| 79-01-6 | trichloroethene | 58.8 | |
| 124-48-1 | dibromochloromethane | 10.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 10.0 | U |
| 71-43-2 | benzene | 10.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 10.0 | U |
| 75-25-2 | bromoform | 10.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 25.0 | U |
| 591-78-6 | 2-hexanone | 25.0 | U |
| 127-18-4 | tetrachloroethene | 10.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 10.0 | U |
| 108-88-3 | toluene | 10.0 | U |
| 108-90-7 | chlorobenzene | 10.0 | U |
| 100-41-4 | ethylbenzene | 10.0 | U |
| 100-42-5 | styrene | 10.0 | U |
| 108-05-4 | Vinyl Acetate | 25.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02904 WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 73419W

Matrix: (soil/water) WATER Lab Sample ID: 9703419-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B205

Level: (low/med) LOW Date Received: 03/20/97

% Moisture: not dec. _____ Date Analyzed: 03/25/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 281 | |
| 91-20-3 | Naphthalene | 10.0 | U |
| 1330-20-7 | xylenes (total) | 20.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02907WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 74490W

Matrix: (soil/water) WATER Lab Sample ID: 9704490-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2F504

Level: (low/med) LOW Date Received: 04/19/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 2.0 | U |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02907WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 74490W

Matrix: (soil/water) WATER Lab Sample ID: 9704490-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2F504

Level: (low/med) LOW Date Received: 04/19/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.0 | U |
| 91-20-3 | Naphthalene | 2.0 | U |
| 1330-20-7 | xylenes (total) | 4.0 | U |

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KWC2907WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 74490W

Matrix: (soil/water) WATER Lab Sample ID: 9704490-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2F504

Level: (low/med) LOW Date Received: 04/19/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 5.0 | U |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 2.0 | U |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 2.0 | U |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 2.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02907WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 74490W

Matrix: (soil/water) WATER Lab Sample ID: 9704490-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2F504

Level: (low/med) LOW Date Received: 04/19/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 2.0 | U |
| 91-20-3 | Naphthalene | 2.0 | U |
| 1330-20-7 | xylenes (total) | 4.0 | U |

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02908WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 74490W

Matrix: (soil/water) WATER Lab Sample ID: 9704490-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2F510

Level: (low/med) LOW Date Received: 04/19/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 2.0 | U |
| 74-83-9 | bromomethane | 2.0 | U |
| 75-01-4 | vinyl chloride | 2.0 | U |
| 75-00-3 | chloroethane | 2.0 | U |
| 75-09-2 | methylene chloride | 2.0 | JB |
| 67-64-1 | acetone | 10.0 | U |
| 75-15-0 | carbon disulfide | 5.0 | U |
| 75-35-4 | 1,1-dichloroethene | 2.0 | U |
| 75-34-3 | 1,1-dichloroethane | 2.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 540 | E |
| 67-66-3 | chloroform | 2.0 | U |
| 107-06-2 | 1,2-dichloroethane | 2.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 2.0 | U |
| 56-23-5 | carbon tetrachloride | 2.0 | U |
| 75-27-4 | bromodichloromethane | 2.0 | U |
| 78-87-5 | 1,2-dichloropropane | 2.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 2.0 | U |
| 79-01-6 | trichloroethene | 35.1 | |
| 124-48-1 | dibromochloromethane | 2.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 2.0 | U |
| 71-43-2 | benzene | 1.0 | J |
| 10061-02-6 | trans-1,3-dichloropropene | 2.0 | U |
| 75-25-2 | bromoform | 2.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 127-18-4 | tetrachloroethene | 2.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 2.0 | U |
| 108-88-3 | toluene | 2.0 | U |
| 108-90-7 | chlorobenzene | 2.0 | U |
| 100-41-4 | ethylbenzene | 2.0 | U |
| 100-42-5 | styrene | 2.0 | U |
| 108-05-4 | Vinyl Acetate | 5.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02908WWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 74490W

Matrix: (soil/water) WATER Lab Sample ID: 9704490-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2F510

Level: (low/med) LOW Date Received: 04/19/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 293 | E |
| 91-20-3 | Naphthalene | 2.0 | U |
| 1330-20-7 | xylenes (total) | 4.0 | U |

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02908WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 74490W

Matrix: (soil/water) WATER Lab Sample ID: 9704490-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2G105

Level: (low/med) LOW Date Received: 04/19/97

% Moisture: not dec. _____ Date Analyzed: 04/28/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 74-87-3 | chloromethane | 20.0 | U |
| 74-83-9 | bromomethane | 20.0 | U |
| 75-01-4 | vinyl chloride | 20.0 | U |
| 75-00-3 | chloroethane | 20.0 | U |
| 75-09-2 | methylene chloride | 35.4 | JB |
| 67-64-1 | acetone | 100 | U |
| 75-15-0 | carbon disulfide | 50.0 | U |
| 75-35-4 | 1,1-dichloroethene | 20.0 | U |
| 75-34-3 | 1,1-dichloroethane | 20.0 | U |
| 156-60-5 | trans-1,2-dichloroethene | 946 | D |
| 67-66-3 | chloroform | 20.0 | U |
| 107-06-2 | 1,2-dichloroethane | 20.0 | U |
| 78-93-3 | 2-butanone | 50.0 | U |
| 71-55-6 | 1,1,1-trichloroethane | 20.0 | U |
| 56-23-5 | carbon tetrachloride | 20.0 | U |
| 75-27-4 | bromodichloromethane | 20.0 | U |
| 78-87-5 | 1,2-dichloropropane | 20.0 | U |
| 10061-01-5 | cis-1,3-dichloropropene | 20.0 | U |
| 79-01-6 | trichloroethene | 37.5 | |
| 124-48-1 | dibromochloromethane | 20.0 | U |
| 79-00-5 | 1,1,2-trichloroethane | 20.0 | U |
| 71-43-2 | benzene | 20.0 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 20.0 | U |
| 75-25-2 | bromoform | 20.0 | U |
| 108-10-1 | 4-methyl-2-pentanone | 50.0 | U |
| 591-78-6 | 2-hexanone | 50.0 | U |
| 127-18-4 | tetrachloroethene | 20.0 | U |
| 79-34-5 | 1,1,2,2-tetrachloroethane | 20.0 | U |
| 108-88-3 | toluene | 20.0 | U |
| 108-90-7 | chlorobenzene | 20.0 | U |
| 100-41-4 | ethylbenzene | 20.0 | U |
| 100-42-5 | styrene | 20.0 | U |
| 108-05-4 | Vinyl Acetate | 50.0 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW02908WWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 74490W

Matrix: (soil/water) WATER Lab Sample ID: 9704490-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2G105

Level: (low/med) LOW Date Received: 04/19/97

% Moisture: not dec. _____ Date Analyzed: 04/28/97

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l | Q |
|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 382 | D |
| 91-20-3 | Naphthalene | 20.0 | U |
| 1330-20-7 | xylenes (total) | 40.0 | U |

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