L0312400009 -- Cook Co.
PLOT M – PALOS FOREST PRESERVE
ILD984903286
HRS/SF

(Volume 2 of 2)

EPA Region 5 Records Ctr.
311117

# CERCLA

## Analytical Results

Illinois Environmental
Protection Agency

ARDL inc. applied research & development laboratory

CHEMISTRY · BIOLOGY · PHYSIOLOGY
ENGINEERING · ENVIRONMENTAL ANALYSIS

7 August 2003

Mr. Joe Dombrowski
Division of Land Pollution
Illinois Environmental Protection Agency
1340 N. 9th Street
Springfield, IL 62702

SUBJECT: Data Package Submittal
Radiological Results-ARS
Site: Plot M - Palos Forest Preserve
LPC# 0312400009

Dear Mr. Dombrowski:

Enclosed please find the radiological results for the attached report, ARS031148, that ARDL subcontracted to ARS (American Radiation Services, Inc.)

If you have any questions, please contact the undersigned at 618-244-3235. We appreciate the opportunity to be of service to the IEPA.

Sincerely yours,

Daniel J. Gillespie
Technical Services Manager

DJG/jcm

Enclosure

RECEIVED
AUG 0 8 2003
IEPA-BOL-FSRS

P.O. Box 1566 · 400 Aviation Drive · Mt. Vernon, Illinois 62864 · (618) 244-3235 · FAX (618) 244-1149

AMERICAN RADIATION SERVICES, INC.

1726 Woodale Court Baton Rouge, Louisiana 70806

1 (800) 401-4277 FAX (225) 927-6822

ARDL AUG 05 2003

# American Radiation Services, Inc.

## Laboratory Analysis Report

**Prepared For :**

**ARDL, Inc.**
**Amy Rummler**
**P.O. Box 1566**
**400 Aviation Dr.**
**Mount Vernon, Il. 62864**
**Phone: 618-244-3235**
**FAX: 618-244-1149**

**Quality Assurance Review**

**Technical Review**

Notes: American Radiation Services, Inc. assumes no liability for the use or interpretation of any analytical results provided other than the cost of the analysis itself. Reproduction of this report in less than full requires the written consent of the client.

LELAP Cert# 30658

NELAP Cert# E87558

AMERICAN RADIATION SERVICES, INC.

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| | | | |
|---|---|---|---|
| **ARS Tracking Number:** | ARS031148 | **P.O. Number:** | 17713 |
| **Client I.D.:** | X102 | **ARS Sample I.D.:** | ARS031148-4519 |
| **Date Sampled:** | 4/9/03 | **Date Received:** | 7/7/03 |
| **Time Sample:** | 1445 | **Time Received:** | 1300 |
| **Type of Sample:** | Solid | **Date of Report:** | 7/29/03 |
| **NELAP Certification #:** | E87558 | **L. A. Agency Interest #:** | 30658 |

| Analysis Description | Analysis Result | Analysis Error ±2 σ | Detection Limit | Analysis Unit | Analysis Test Method | Analysis Date & Time | Analysis Technician |
|---|---|---|---|---|---|---|---|
| Gross Alpha | 7.79 | 1.46 | 3.16 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Gross Beta | 41.94 | 1.92 | 3.26 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Ra-226 | 4.065 | 1.657 | 0.812 | pCi/g | EPA 901.1M | 7/15/03 1441 | MS |
| Ra-228 | 0.607 | 0.325 | 0.159 | pCi/g | EPA 901.1M | 7/15/03 1441 | MS |
| Pb-210 | 0.841 | 1.297 | 0.776 | pCi/g | EPA 901.1M | 7/15/03 1441 | MS |
| Bi-214 | 1.230 | 0.286 | 0.089 | pCi/g | EPA 901.1M | 7/15/03 1441 | MS |
| Total Activity | 25.226 | NA | NA | pCi/g | EPA 901.1M | 7/15/03 1441 | MS |

Quality Assurance Review

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| | | | |
|---|---|---|---|
| **ARS Tracking Number:** | ARS031148 | **P.O. Number:** | 17713 |
| **Client I.D.:** | X104 | **ARS Sample I.D.:** | ARS031148-4520 |
| **Date Sampled:** | 4/9/03 | **Date Received:** | 7/7/03 |
| **Time Sample:** | 1355 | **Time Received:** | 1300 |
| **Type of Sample:** | Solid | **Date of Report:** | 7/29/03 |
| **NELAP Certification #:** | E87558 | **L. A. Agency Interest #:** | 30658 |

| Analysis Description | Analysis Result | Analysis Error ±2 σ | Detection Limit | Analysis Unit | Analysis Test Method | Analysis Date & Time | Analysis Technician |
|---|---|---|---|---|---|---|---|
| Gross Alpha | 3.82 | 1.54 | 3.91 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Gross Beta | 44.65 | 2.09 | 3.62 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Ra-226 | 2.846 | 0.578 | 0.226 | pCi/g | EPA 901.1M | 7/15/03 1317 | SM |
| Ra-228 | 0.746 | 0.109 | 0.032 | pCi/g | EPA 901.1M | 7/15/03 1317 | SM |
| Pb-210 | 1.955 | 0.657 | 0.289 | pCi/g | EPA 901.1M | 7/15/03 1317 | SM |
| Bi-214 | 0.957 | 0.088 | 0.021 | pCi/g | EPA 901.1M | 7/15/03 1317 | SM |
| Total Activity | 33.575 | NA | NA | pCi/g | EPA 901.1M | 7/15/03 1317 | SM |

Quality Assurance Review

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| | | | |
|---|---|---|---|
| **ARS Tracking Number:** | ARS031148 | **P.O. Number:** | 17713 |
| **Client I.D.:** | X106 | **ARS Sample I.D.:** | ARS031148-4521 |
| **Date Sampled:** | 4/9/03 | **Date Received:** | 7/7/03 |
| **Time Sample:** | 1250 | **Time Received:** | 1300 |
| **Type of Sample:** | Solid | **Date of Report:** | 7/29/03 |
| **NELAP Certification #:** | E87558 | **L. A. Agency Interest #:** | 30658 |

| Analysis Description | Analysis Result | Analysis Error ±2 σ | Detection Limit | Analysis Unit | Analysis Test Method | Analysis Date & Time | Analysis Technician |
|---|---|---|---|---|---|---|---|
| Gross Alpha | 165.52 | 5.40 | 3.95 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Gross Beta | 44.95 | 2.03 | 3.39 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Ra-226 | 2.156 | 0.566 | 0.204 | pCi/g | EPA 901.1M | 7/15/03 0937 | KP |
| Ra-228 | 0.710 | 0.072 | 0.024 | pCi/g | EPA 901.1M | 7/15/03 0937 | KP |
| Pb-210 | 2.033 | 0.603 | 0.261 | pCi/g | EPA 901.1M | 7/15/03 0937 | KP |
| Bi-214 | 0.843 | 0.067 | 0.014 | pCi/g | EPA 901.1M | 7/15/03 0937 | KP |
| Total Activity | 31.960 | NA | NA | pCi/g | EPA 901.1M | 7/15/03 0937 | KP |

Quality Assurance Review

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| | | | |
|---|---|---|---|
| **ARS Tracking Number:** | ARS031148 | **P.O. Number:** | 17713 |
| **Client I.D.:** | X108 | **ARS Sample I.D.:** | ARS031148-4522 |
| **Date Sampled:** | 4/9/03 | **Date Received:** | 7/7/03 |
| **Time Sample:** | 950 | **Time Received:** | 1300 |
| **Type of Sample:** | Solid | **Date of Report:** | 7/29/03 |
| **NELAP Certification #:** | E87558 | **L. A. Agency Interest #:** | 30658 |

| Analysis Description | Analysis Result | Analysis Error ±2 σ | Detection Limit | Analysis Unit | Analysis Test Method | Analysis Date & Time | Analysis Technician |
|---|---|---|---|---|---|---|---|
| Gross Alpha | 8.09 | 1.83 | 4.19 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Gross Beta | 44.02 | 2.00 | 3.43 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Ra-226 | 2.903 | 0.604 | 0.232 | pCi/g | EPA 901.1M | 7/15/03 1426 | MS |
| Ra-228 | 0.654 | 0.114 | 0.045 | pCi/g | EPA 901.1M | 7/15/03 1426 | MS |
| Pb-210 | 2.339 | 0.595 | 0.259 | pCi/g | EPA 901.1M | 7/15/03 1426 | MS |
| Bi-214 | 0.900 | 0.086 | 0.019 | pCi/g | EPA 901.1M | 7/15/03 1426 | MS |
| Total Activity | 33.419 | NA | NA | pCi/g | EPA 901.1M | 7/15/03 1426 | MS |

Quality Assurance Review

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| | | | |
|---|---|---|---|
| **ARS Tracking Number:** | ARS031148 | **P.O. Number:** | 17713 |
| **Client I.D.:** | X~~108~~ 111 | **ARS Sample I.D.:** | ARS031148-4523 |
| **Date Sampled:** | 4/9/03 | **Date Received:** | 7/7/03 |
| **Time Sample:** | 1115 | **Time Received:** | 1300 |
| **Type of Sample:** | Solid | **Date of Report:** | 7/29/03 |
| **NELAP Certification #:** | E87558 | **L. A. Agency Interest #:** | 30658 |

| Analysis Description | Analysis Result | Analysis Error ±2 σ | Detection Limit | Analysis Unit | Analysis Test Method | Analysis Date & Time | Analysis Technician |
|---|---|---|---|---|---|---|---|
| Gross Alpha | 6.31 | 1.62 | 3.77 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Gross Beta | 48.02 | 2.06 | 3.33 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Ra-226 | 3.161 | 0.429 | 0.166 | pCi/g | EPA 901.1M | 7/15/03 1327 | SM |
| Ra-228 | 0.770 | 0.071 | 0.027 | pCi/g | EPA 901.1M | 7/15/03 1327 | SM |
| Pb-210 | 2.219 | 0.604 | 0.254 | pCi/g | EPA 901.1M | 7/15/03 1327 | SM |
| Bi-214 | 1.002 | 0.074 | 0.015 | pCi/g | EPA 901.1M | 7/15/03 1327 | SM |
| Total Activity | 35.186 | NA | NA | pCi/g | EPA 901.1M | 7/15/03 1327 | SM |

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| | | | |
|---|---|---|---|
| **ARS Tracking Number:** | ARS031148 | **P.O. Number:** | 17713 |
| **Client I.D.:** | X113 | **ARS Sample I.D.:** | ARS031148-4524 |
| **Date Sampled:** | 4/9/03 | **Date Received:** | 7/7/03 |
| **Time Sample:** | 1630 | **Time Received:** | 1300 |
| **Type of Sample:** | Solid | **Date of Report:** | 7/29/03 |
| **NELAP Certification #:** | E87558 | **L. A. Agency Interest #:** | 30658 |

| Analysis Description | Analysis Result | Analysis Error ±2 σ | Detection Limit | Analysis Unit | Analysis Test Method | Analysis Date & Time | Analysis Technician |
|---|---|---|---|---|---|---|---|
| Gross Alpha | 3.06 | 1.51 | 3.95 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Gross Beta | 37.79 | 2.02 | 3.71 | pCi/g | EPA 900M | 7/27/03 1058 | KP |
| Ra-226 | 2.286 | 1.034 | 0.483 | pCi/g | EPA 901.1M | 7/14/03 1236 | MS |
| Ra-228 | 0.239 | 0.201 | 0.151 | pCi/g | EPA 901.1M | 7/14/03 1236 | MS |
| Pb-210 | 1.118 | 1.101 | 0.615 | pCi/g | EPA 901.1M | 7/14/03 1236 | MS |
| Bi-214 | 0.759 | 0.196 | 0.066 | pCi/g | EPA 901.1M | 7/14/03 1236 | MS |
| Total Activity | 24.057 | NA | NA | pCi/g | EPA 901.1M | 7/14/03 1236 | MS |

Quality Assurance Review

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# Notes:

Comments:

1.0) Soil and Sludge analysis are reported on a wet basis or an as received basis unless otherwise indicated.
2.0) The data in this report are within the limits of uncertainty specified in the reference method unless specified.
3.0) Modified analysis procedures are procedures that are modified to meet the certain specifications. An example may be the use of a water method to analyze a solid matrix due to the lack of an officially recognized procedure for the analysis of the solid matrix.
4.0) Derived Air Concentrations and Effluent Release Concentrations are obtained from 10 CFR 20 Appendix B
5.0) Total activity is actually total gamma activity and is determined utilizing the prominent gamma emitters from the naturally occurring radioactive decay chains and other prominent radioactive nuclides. Total activity may be lower than actual total activity due to the extent of secular equilibrium achieved in the various decay chains at the time of analysis. The total activity is not representative of nuclides that emit solely alpha or beta particles.
6.0) Ra-228 is determined via secular equilibrium with its daughter, Actinium 228. (Gamma Spectroscopy only)
7.0) U-238 is determined via secular equilibrium with its daughter, Thorium 234. (Gamma Spectroscopy only)
8.0) All Gamma spectroscopy was performed utilizing high purity germanium detectors (HPGe).

Method References:

1.0) EPA 600/4-80-032, Prescribed Procedures for the Measurement of Radioactivity in Drinking Water, August 1980.
2.0) Standard Methods for the Examination of Water and Waste Water, 18th, 1992
3.0) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, (9/86). (Updated through 1995)
4.0) EPA 600/4/79-020, Methods for Chemical Analysis of Water and Waste, March 1983.
5.0) HASL 300

Definitions:

| | | |
|---|---|---|
| 1.0) | BDL | Analyte not detected because the value was below the detection limit. |
| 2.0) | ND | Not detected above the detection limit. |
| 3.0) | Detection Limit | The minimum amount of the analyte that ARS can detect utilizing the specific analysis. |
| 4.0) | B | Method Blank |
| 5.0) | D | Method Duplicate |
| 6.0) | MS | Matrix Spike |
| 7.0) | S | Spike |
| 8.0) | RS | Reference Spike |
| 9.0) | *SC | Subcontracted out to another qualified laboratory |
| 10.0) | NR | Not Referenced |
| 11.0) | N/A | Not Applicable |

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# Illinois Environmental Protection Agency Chain of Custody

| Preservative Codes | Container Description: Soil | Container Description: Aqueous |
|---|---|---|
| 1 None | VOC - 2 oz. glass (2) | VOC - 40 mL glass (2) |
| 2 VOA - HCl | SVOC - 8 oz. glass (1) | SVOC, Pest/PCB - 80 oz amber glass (1)* |
| 3 Metals - HNO3 | Pest/PCB - 8 oz. glass (1) | Inorganics - 1 qt. plastic (1) |
| 4 Cyanide - NaOH | Inorganics - 16 oz. glass (1) | * duplicate 1 out of 10 |
| 5 Other: | | |
| 6 Other | | |

| Fund: | LPC#: | Locality: | Cooler Initially Sealed By: | Date Initially Sealed |
|---|---|---|---|---|
| PR 42 000 ~~LP52 011~~ | 0312400009 ~~1250205005~~ | COOK Co. ~~Mason~~ | KEN CORKILL | 4/6/03 |

| Section: | Site Name: | Project Manager: | Phone Number: | Initial Cooler Seal # |
|---|---|---|---|---|
| RPM3/OSE | PLOT M - PALOS FOREST PRESERVE ~~Prairieland Steel~~ | KEN CORKILL ~~Vanessa Koehner~~ | 217/524-1664 ~~217/558-0840~~ | 0009798 |

| Lab Sample No. | Parameter Group: GROSS ALPHA | GROSS BETA | GAMMA SPECTROSCOPY | | | | | Field Sample Number | Matrix | No. of Bottles | Date Collected | Time Collected (24 hr clock) | Sampler's Initials | Special Notations | Legal Hold Y or N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | X | X | X | | | | | X102 | SOIL | 2 | 4/9/03 | 1445 | LR | | |
| | X | X | X | | | | | X104 | SOIL | 1 | 4/9/03 | 1355 | LR | | |
| | X | X | X | | | | | X106 | SOIL | 1 | 4/9/03 | 1250 | LR | | |
| | X | X | X | | | | | X108 | SOIL | 1 | 4/9/03 | 950 | LR | | |
| | X | X | X | | | | | X111 | SOIL | 1 | 4/9/03 | 1115 | LR | | |
| | X | X | X | | | | | X113 | SOIL | 2 | 4/9/03 | 1630 | LR | | |
| | | | | | | | | | | | | | | SEND BILL TO: | |
| | | | | | | | | | | | | | | ARDL, Inc. | |
| | | | | | | | | | | | | | | P.O. Box 1566 | |
| | | | | | | | | | | | | | | 400 Aviation Drive | |
| | | | | | | | | | | | | | | Mount Vernon, IL. 62864 | |
| | | | | | | | | | | | | Contact | : Amy | Rummler 618-244-3235 | |

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

| Cooler Opened by: | Seal No: | Date: | Time: | Intact |
|---|---|---|---|---|
| KEN CORKILL | 0009798 | 4/9/03 | 800 | ON |
| | | | | Y-N |

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

| Cooler Sealed By: | Seal No.: | Date: | Time: |
|---|---|---|---|
| KEN CORKILL | 0009799 | ~~7/7~~ 7/7/03 | 900 |

I certify that I received the cooler containing the above samples with the seal(s) intact.

| Received for Lab by: | Seal No: | Date: | Time: | Intact: |
|---|---|---|---|---|
| | | | | Y-N |

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 15 DAY

Samplers: ~~LANCE RANGEL~~ [signature] 7/7/03 1300

DATE: May 1, 2003

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Plot M. Palos Forest Preserve (Argonne) (IL)

| CASE NO. | LAB | NO. OF SAMPLES | SDG | MATRIX |
|---|---|---|---|---|
| 31584 | Ceimic | 13 | E0015 | Soil |

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

RECEIVED
MAY 05 2003
IEPA/BOL

MAY 0 1 2003



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**REGION V**
**SUPERFUND DIVISION**

DATE: _____

SUBJECT: **Electronic (Level 2) Review of Data**

Received for Review on April 28, 2003

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

**The following data has been electronically reviewed by CADRE. No review of the raw data, laboratory narrative, laboratory forms or chain-of-custody forms was performed.**

SITE NAME: Plot M. Palos Forest Preserve (Argonne, IL)

CASE NUMBER: 31584 SDG NUMBER: E0015

Number and Type of Samples: 13 Soils

Sample Numbers: E0015 - E0027

Laboratory: Ceimic Hrs. for Review: _____

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

Case Number : 31584 SDG Number: E0015
Site Name: PLOT M. PALOS FOREST PRESERVE (IL) Laboratory: CEIMIC

**Below is a summary of the out-of-control audits and the possible effects on the data for this case:**

*Thirteen (13) soil* samples, numbered *E0015* through *E0027,* were collected on *April 9, 2003.* The lab received the samples on *April 11, 2003* in good condition. All samples were analyzed for the full list of organic analytes. All were analyzed according to CLP SOW *OLM04.3.*

Case Number : 31584 SDG Number: E0015
Site Name: PLOT M. PALOS FOREST PRESERVE (IL) Laboratory: CEIMIC

## 1. HOLDING TIME

No defects found.

## 2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

## 3. CALIBRATION

**Qualification: Calibrations** **Protocol: VOA**

DC-2 The following volatile samples had no associated calibration. Manual review of the data is required.

**VBLKQF, VHBLK01**

DC-5 The following volatile samples are associated with a continuing calibration whose corr esponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

**1,2-Dibromo-3-chloropropane**
VBLKQF, VHBLK01

DC-8 The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

**Bromomethane**
E0015, E0016, E0017, E0018, E0019, E0020, E0021, E0022, E0023, E0024, E0025, VBLKLO, VBLKOP

**2-Hexanone**
E0026, E0026MS, E0026MSD, E0027, VBLKLS

**Qualification: Calibrations** **Protocol: BNA**

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

**Caprolactam, 2,4-Dinitrophenol**
E0015, E0016, E0017, E0018, E0019, E0020, E0021, E0022, E0023, E0024, E0025, E0026, SBLKKT

Case Number : 31584 SDG Number: E0015
Site Name: PLOT M. PALOS FOREST PRESERVE (IL) Laboratory: CEIMIC

**4-Nitroaniline**
E0026MS, E0026MSD, E0027

**Atrazine**
E0015, E0016, E0017, E0018, E0019, E0020, E0021, E0022, E0023, E0024, E0025, E0026, E0026MS, E0026MSD, E0027, SBLKKT

**Qualification: Calibrations** **Protocol: PES**

No defects found.

## 4. BLANKS

**Qualification: Laboratory Blanks** **Protocol: VOA**

DC-13 The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

**Methylene Chloride**
E0015, E0016, E0017, E0018, E0019, E0020, E0021, E0022, E0023, E0024, E0025, E0026, E0026MS, E0026MSD, E0027

**Qualification: Laboratory Blanks** **Protocol: BNA**

DC-6 The following semivolatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" and non-detects are not flagged.

**bis(2-Ethylhexyl)phthalate**
E0021, E0023, E0026MSD

DC-10 The following semivolatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

**bis(2-Ethylhexyl)phthalate**
E0015, E0017, E0018, E0019, E0020, E0022, E0024, E0025, E0026, E0026MS, E0027

**Qualification: Laboratory Blanks** **Protocol: PES**

Case Number : 31584 SDG Number: E0015
Site Name: PLOT M. PALOS FOREST PRESERVE (IL) Laboratory: CEIMIC

No defects found.

## 5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No defects found.

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

**Qualification: Matrix Spikes** **Protocol: VOA**

DC-3 The following volatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. The presence of the outlier compound in the unspiked sample, E0026, is qualified "J" and a non-detect is flagged "UJ".

**E0026MSD**
1,1-Dichloroethene

**Qualification: Matrix Spikes** **Protocol: BNA**

No defects found.

**Qualification: Matrix Spikes** **Protocol: PES**

No defects found.

## 7. FIELD BLANK AND FIELD DUPLICATE

No samples were identified as trip blanks, field blanks or field duplicates. Results are not qualified based upon the results of the field blank or field duplicates.

## 8. INTERNAL STANDARDS

**Qualification: Internal Standards** **Protocol: VOA**

DC-1 The following volatile samples have no associated internal standard. Manual review of the data is rrequired. Manual review of the data is required.

**VBLKQF, VHBLK01**

**Qualification: Internal Standards** **Protocol: BNA**

No defects found.

Case Number : 31584 SDG Number: E0015
Site Name: PLOT M. PALOS FOREST PRESERVE (IL) Laboratory: CEIMIC

## 9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

## 10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

**Qualification: Detection Limit** **Protocol: VOA**

DC-1 The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

**E0015, E0019, E0020, E0024**
Trichlorofluoromethane

**E0016, E0018, E0021, E0023, E0025, E0027**
Trichlorofluoromethane, Acetone, Toluene

**E0017, E0026MS**
Trichlorofluoromethane, Acetone

**E0022**
Trichlorofluoromethane, Acetone, Trichloroethene, Toluene

**VBLKLO**
Methylene Chloride, 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene

**VBLKLS**
Methylene Chloride, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

**VBLKOP**
Methylene Chloride, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

DC-3 Adjusted CRQL values of the following volatile samples are less than the contract specified CRQLs. The contract specified CRQL values are used by CADRE during data validation and reported for non-detected compounds.

**E0015, E0016, E0018, E0021, E0022, E0023, E0025, E0027**

**Qualification: Detection Limit** **Protocol: BNA**

Case Number : 31584 SDG Number: E0015
Site Name: PLOT M. PALOS FOREST PRESERVE (IL) Laboratory: CEIMIC

**Qualification: Detection Limit** **Protocol: PES**

No defects found.

## 11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

## 12. ADDITIONAL INFORMATION

None.

**Qualification: CADRE Reserved** **Protocol: VOA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

**E0015, E0016, E0017, E0018, E0019, E0020, E0021, E0022, E0023, E0024, E0025, E0026, E0026MS, E0026MSD, E0027, VBLKLO, VBLKLS, VBLKOP, VBLKQF, VHBLK01**

**Qualification: CADRE Reserved** **Protocol: BNA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

**E0015, E0016, E0017, E0018, E0019, E0020, E0021, E0022, E0023, E0024, E0025, E0026, E0026MS, E0026MSD, E0027, SBLKKT**

**Qualification: CADRE Reserved** **Protocol: PES**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

**E0015, E0016, E0017, E0018, E0019, E0020, E0021, E0022, E0023, E0024, E0025, E0026, E0026MS, E0026MSD, E0027, PBLK01**

Case Number : 31584 SDG Number: E0015
Site Name: PLOT M. PALOS FOREST PRESERVE (IL) Laboratory: CEIMIC

Date: 4/25/2003 Wincadre 3.1.3.2 Page 13

Data Review Results

Lab ID: CEIMIC Case No.: 31584 Method: OLM04.2 Flag :R5FLAG
File Name: E0015 SDG No.: E0015 Criteria: OLM04.2 Defects: R5DEFECT

**Data Review Criteria Set Options:**

Detection Limit
- PEST pct D expanded criteria
- Use MDL

Holding Time
- Region 3 PAH option
- Region 3 PCB option
- Expanded criteria X
- Inorganic missing pH option

Calibrations
- RRF expanded criteria
- VOA/BNA PctD expanded criteria
- VOA/BNA PctRSD expanded criteria
- Use mean RRF
- Use VOA/BNA dual purpose standard option X
- Use initial INDA/INDB pct resolution X
- Use continuing INDA/INDB pct resolution
- Use PEST low concentration option
- PEST low concentration PctRSD expanded criteria
- Use DMC/SMC/Surrogate option X
- Use INORG extreme high pct recovery

Matrix Spikes
- Use PEST low concentration rules

DMC/SMC/Surrogates
- Region 3 validation rules
- Check dilution factor X
- Use advisory surrogates
- Use low concentration rules
- Use BNA low concentration expanded criteria

CADRE association rules X

IPC/Tune
- Expanded criteria

System Performance
- Use initial PEM pct resolution X
- Use continuing PEM pct resolution

CRDL/CRQL Standards
- Region 2 validation rules
- Region 3 validation rules

LCS
- Pct rec expanded criteria X

Duplicates
- RPD and AD expanded criteria

Furnace AA QC
- Pct R expanded upper criteria
- Corr coef expanded criteria

Blanks
- Raise to detection limit X
- Use VOA storage/inst blanks X
- Use low concentration rules

Field QC
- Combine method/field blanks
- CRDL contamination criteria

Level 2 - Assembled By: Allison Harvey/ESAT
Date: April 30, 2003

CADRE Data Qualifier Sheet

| Qualifiers | Data Qualifier Definitions |
| --- | --- |
| U | The analyte was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample. |
| UJ | The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample. |
| N | The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification. |
| NJ | The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration. |
| R | The data are unusable. (The compound may or may not be present) |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. CEIMIC
Reviewer :
Date :

Number of Soil Samples : 13
Number of Water Samples : 0

| Sample Number | E0015 | | E0016 | | E0017 | | E0018 | | E0019 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X105 | | X106 | | X107 | | X108 | | X109 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 12:50 | | 12:50 | | 09:50 | | 09:50 | | 11:15 | |
| %Moisture : | 16 | | 11 | | 20 | | 11 | | 20 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| CHLOROMETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| VINYL CHLORIDE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| BROMOMETHANE | 10 | UJ | 10 | UJ | 11 | UJ | 10 | UJ | 10 | UJ |
| CHLOROETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| TRICHLOROFLUOROMETHANE | 1 | J | 2 | J | 1 | J | 6 | J | 1 | J |
| 1,1-DICHLOROETHENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| ACETONE | 10 | | 2 | J | 7 | J | 2 | J | 15 | |
| CARBON DISULFIDE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| METHYL ACETATE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| METHYLENE CHLORIDE | 10 | UJ | 10 | UJ | 11 | UJ | 10 | UJ | 10 | UJ |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| METHYL TERT-BUTYL ETHER | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| ,1-DICHLOROETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| CIS-1,2-DICHLOROETHENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 2-BUTANONE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| CHLOROFORM | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,1,1-TRICHLOROETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| CYCLOHEXANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| CARBON TETRACHLORIDE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| BENZENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,2-DICHLOROETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| TRICHLOROETHENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| METHYLCYCLOHEXANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,2-DICHLOROPROPANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| BROMODICHLOROMETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| CIS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 4-METHYL-2-PENTANONE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| TOLUENE | 10 | U | 3 | J | 11 | U | 4 | J | 10 | U |
| TRANS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,1,2-TRICHLOROETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| TETRACHLOROETHENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0015 | | E0016 | | E0017 | | E0018 | | E0019 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X105 | | X106 | | X107 | | X108 | | X109 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 12:50 | | 12:50 | | 09:50 | | 09:50 | | 11:15 | |
| %Moisture : | 16 | | 11 | | 20 | | 11 | | 20 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| DIBROMOCHLOROMETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,2-DIBROMOETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| CHLOROBENZENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| ETHYLBENZENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| XYLENES (TOTAL) | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| STYRENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| BROMOFORM | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| ISOPROPYLBENZENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,1,2,2-TETRACHLOROETHANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,3-DICHLOROBENZENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,4-DICHLOROBENZENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,2-DICHLOROBENZENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |
| 1,2,4-TRICHLOROBENZENE | 10 | U | 10 | U | 11 | U | 10 | U | 10 | U |

## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0020 | | E0021 | | E0022 | | E0023 | | E0024 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X110 | | X111 | | X101 | | X102 | | X103 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 11:15 | | 11:15 | | 14:45 | | 14:45 | | 13:55 | |
| %Moisture : | 20 | | 14 | | 13 | | 9 | | 17 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CHLOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| VINYL CHLORIDE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMOMETHANE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ |
| CHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TRICHLOROFLUOROMETHANE | 1 | J | 6 | J | 4 | J | 4 | J | 1 | J |
| 1,1-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| ACETONE | 13 | | 4 | J | 6 | J | 3 | J | 19 | |
| CARBON DISULFIDE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYL ACETATE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYLENE CHLORIDE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYL TERT-BUTYL ETHER | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1-DICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CIS-1,2-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 2-BUTANONE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CHLOROFORM | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,1-TRICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CYCLOHEXANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CARBON TETRACHLORIDE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TRICHLOROETHENE | 10 | U | 10 | U | 2 | J | 10 | U | 10 | U |
| METHYLCYCLOHEXANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROPROPANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMODICHLOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CIS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 4-METHYL-2-PENTANONE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TOLUENE | 10 | U | 5 | J | 4 | J | 4 | J | 10 | U |
| TRANS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2-TRICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TETRACHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0020 | | E0021 | | E0022 | | E0023 | | E0024 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X110 | | X111 | | X101 | | X102 | | X103 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 11:15 | | 11:15 | | 14:45 | | 14:45 | | 13:55 | |
| %Moisture : | 20 | | 14 | | 13 | | 9 | | 17 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| DIBROMOCHLOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DIBROMOETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| ETHYLBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| XYLENES (TOTAL) | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| STYRENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMOFORM | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| ISOPROPYLBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2,2-TETRACHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,3-DICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,4-DICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2,4-TRICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. CEIMIC
Reviewer :
Date :

| Sample Number : | E0025 | | E0026 | | E0026MS | | E0026MSD | | E0027 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X104 | | X112 | | X112 | | X112 | | X113 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 13:55 | | 16:30 | | 16:30 | | 16:30 | | 16:30 | |
| %Moisture : | 13 | | 16 | | 16 | | 16 | | 13 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7 0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1 0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| CHLOROMETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| VINYL CHLORIDE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| BROMOMETHANE | 10 | UJ | 11 | U | 10 | U | 11 | U | 10 | U |
| CHLOROETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| TRICHLOROFLUOROMETHANE | 6 | J | 11 | U | 1 | J | 11 | U | 7 | J |
| 1,1-DICHLOROETHENE | 10 | U | 11 | UJ | 34 | | 32 | | 10 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| ACETONE | 2 | J | 19 | | 2 | J | 11 | U | 4 | J |
| CARBON DISULFIDE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| METHYL ACETATE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| METHYLENE CHLORIDE | 10 | UJ | 11 | UJ | 10 | UJ | 11 | UJ | 10 | UJ |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| METHYL TERT-BUTYL ETHER | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| ,1-DICHLOROETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| CIS-1,2-DICHLOROETHENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 2-BUTANONE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| CHLOROFORM | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,1,1-TRICHLOROETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| CYCLOHEXANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| CARBON TETRACHLORIDE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| BENZENE | 10 | U | 11 | U | 40 | | 40 | | 10 | U |
| 1,2-DICHLOROETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| TRICHLOROETHENE | 10 | U | 11 | U | 40 | | 39 | | 10 | U |
| METHYLCYCLOHEXANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,2-DICHLOROPROPANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| BROMODICHLOROMETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| CIS-1,3-DICHLOROPROPENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 4-METHYL-2-PENTANONE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| TOLUENE | 4 | J | 11 | U | 42 | | 39 | | 3 | J |
| TRANS-1,3-DICHLOROPROPENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,1,2-TRICHLOROETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| TETRACHLOROETHENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0025 | | E0026 | | E0026MS | | E0026MSD | | E0027 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X104 | | X112 | | X112 | | X112 | | X113 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 13:55 | | 16:30 | | 16:30 | | 16:30 | | 16:30 | |
| %Moisture : | 13 | | 16 | | 16 | | 16 | | 13 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 10 | U | 11 | UJ | 10 | UJ | 11 | UJ | 10 | UJ |
| DIBROMOCHLOROMETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,2-DIBROMOETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| CHLOROBENZENE | 10 | U | 11 | U | 41 | | 38 | | 10 | U |
| ETHYLBENZENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| XYLENES (TOTAL) | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| STYRENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| BROMOFORM | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| ISOPROPYLBENZENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,1,2,2-TETRACHLOROETHANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,3-DICHLOROBENZENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,4-DICHLOROBENZENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,2-DICHLOROBENZENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |
| 1,2,4-TRICHLOROBENZENE | 10 | U | 11 | U | 10 | U | 11 | U | 10 | U |

## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
ewer :
Date :

| Sample Number : | VBLKLO | | VBLKLS | | VBLKOP | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | | | | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | N/A | | N/A | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | | | | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 10 | U | 10 | U | 10 | U | | | | |
| CHLOROMETHANE | 10 | U | 10 | U | 10 | U | | | | |
| VINYL CHLORIDE | 10 | U | 10 | U | 10 | U | | | | |
| BROMOMETHANE | 10 | UJ | 10 | U | 10 | UJ | | | | |
| CHLOROETHANE | 10 | U | 10 | U | 10 | U | | | | |
| TRICHLOROFLUOROMETHANE | 10 | U | 10 | U | 10 | U | | | | |
| 1,1-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | | | | |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 10 | U | 10 | U | 10 | U | | | | |
| ACETONE | 10 | U | 10 | U | 10 | U | | | | |
| CARBON DISULFIDE | 10 | U | 10 | U | 10 | U | | | | |
| METHYL ACETATE | 10 | U | 10 | U | 10 | U | | | | |
| METHYLENE CHLORIDE | 2 | J | 4 | J | 4 | J | | | | |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | | | | |
| METHYL TERT-BUTYL ETHER | 10 | U | 10 | U | 10 | U | | | | |
| -DICHLOROETHANE | 10 | U | 10 | U | 10 | U | | | | |
| CIS-1 2-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | | | | |
| 2-BUTANONE | 10 | U | 10 | U | 10 | U | | | | |
| CHLOROFORM | 10 | U | 10 | U | 10 | U | | | | |
| 1,1,1-TRICHLOROETHANE | 10 | U | 10 | U | 10 | U | | | | |
| CYCLOHEXANE | 10 | U | 10 | U | 10 | U | | | | |
| CARBON TETRACHLORIDE | 10 | U | 10 | U | 10 | U | | | | |
| BENZENE | 10 | U | 10 | U | 10 | U | | | | |
| 1,2-DICHLOROETHANE | 10 | U | 10 | U | 10 | U | | | | |
| TRICHLOROETHENE | 10 | U | 10 | U | 10 | U | | | | |
| METHYLCYCLOHEXANE | 10 | U | 10 | U | 10 | U | | | | |
| 1,2-DICHLOROPROPANE | 10 | U | 10 | U | 10 | U | | | | |
| BROMODICHLOROMETHANE | 10 | U | 10 | U | 10 | U | | | | |
| CIS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 10 | U | | | | |
| 4-METHYL-2-PENTANONE | 10 | U | 10 | U | 10 | U | | | | |
| TOLUENE | 10 | U | 10 | U | 10 | U | | | | |
| TRANS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 10 | U | | | | |
| 1,1,2-TRICHLOROETHANE | 10 | U | 10 | U | 10 | U | | | | |
| TETRACHLOROETHENE | 10 | U | 10 | U | 10 | U | | | | |

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*Region 5 assumes no responsibility for use of unvalidated data.*

## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
eviewer :
Date :

| Sample Number : | VBLKLO | | VBLKLS | | VBLKOP | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | | | | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | N/A | | N/A | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | | | | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 10 | U | 10 | UJ | 10 | U | | | | |
| DIBROMOCHLOROMETHANE | 10 | U | 10 | U | 10 | U | | | | |
| 1,2-DIBROMOETHANE | 10 | U | 10 | U | 10 | U | | | | |
| CHLOROBENZENE | 10 | U | 10 | U | 10 | U | | | | |
| ETHYLBENZENE | 10 | U | 10 | U | 10 | U | | | | |
| XYLENES (TOTAL) | 10 | U | 10 | U | 10 | U | | | | |
| STYRENE | 10 | U | 10 | U | 10 | U | | | | |
| BROMOFORM | 10 | U | 10 | U | 10 | U | | | | |
| ISOPROPYLBENZENE | 10 | U | 10 | U | 10 | U | | | | |
| 1,1,2,2-TETRACHLOROETHANE | 10 | U | 10 | U | 10 | U | | | | |
| 1,3-DICHLOROBENZENE | 10 | U | 1 | J | 10 | U | | | | |
| 1,4-DICHLOROBENZENE | 1 | J | 1 | J | 1 | J | | | | |
| 1,2-DICHLOROBENZENE | 10 | U | 1 | J | 1 | J | | | | |
| 1,2-DIBROMO-3-CHLOROPROPANE | 10 | U | 10 | U | 10 | U | | | | |
| ,2,4-TRICHLOROBENZENE | 3 | J | 3 | J | 3 | J | | | | |

## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | VBLKQF | | VHBLK01 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Water | | Water | | | | | | | |
| Units : | ug/L | | ug/L | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | N/A | | | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | | | | | | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 10 | U | 10 | U | | | | | | |
| CHLOROMETHANE | 10 | U | 10 | U | | | | | | |
| VINYL CHLORIDE | 10 | U | 10 | U | | | | | | |
| BROMOMETHANE | 10 | U | 10 | U | | | | | | |
| CHLOROETHANE | 10 | U | 10 | U | | | | | | |
| TRICHLOROFLUOROMETHANE | 10 | U | 10 | U | | | | | | |
| 1,1-DICHLOROETHENE | 10 | U | 10 | U | | | | | | |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 10 | U | 10 | U | | | | | | |
| ACETONE | 10 | U | 10 | U | | | | | | |
| CARBON DISULFIDE | 10 | U | 10 | U | | | | | | |
| METHYL ACETATE | 10 | U | 10 | U | | | | | | |
| METHYLENE CHLORIDE | 10 | U | 10 | U | | | | | | |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 10 | U | | | | | | |
| METHYL TERT-BUTYL ETHER | 10 | U | 10 | U | | | | | | |
| ,1-DICHLOROETHANE | 10 | U | 10 | U | | | | | | |
| CIS-1,2-DICHLOROETHENE | 10 | U | 10 | U | | | | | | |
| 2-BUTANONE | 10 | U | 10 | U | | | | | | |
| CHLOROFORM | 10 | U | 10 | U | | | | | | |
| 1,1,1-TRICHLOROETHANE | 10 | U | 10 | U | | | | | | |
| CYCLOHEXANE | 10 | U | 10 | U | | | | | | |
| CARBON TETRACHLORIDE | 10 | U | 10 | U | | | | | | |
| BENZENE | 10 | U | 10 | U | | | | | | |
| 1,2-DICHLOROETHANE | 10 | U | 10 | U | | | | | | |
| TRICHLOROETHENE | 10 | U | 10 | U | | | | | | |
| METHYLCYCLOHEXANE | 10 | U | 10 | U | | | | | | |
| 1,2-DICHLOROPROPANE | 10 | U | 10 | U | | | | | | |
| BROMODICHLOROMETHANE | 10 | U | 10 | U | | | | | | |
| CIS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | | | | | | |
| 4-METHYL-2-PENTANONE | 10 | U | 10 | U | | | | | | |
| TOLUENE | 10 | U | 10 | U | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | | | | | | |
| 1,1,2-TRICHLOROETHANE | 10 | U | 10 | U | | | | | | |
| TETRACHLOROETHENE | 10 | U | 10 | U | | | | | | |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | VBLKQF | | VHBLK01 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Water | | Water | | | | | | | |
| Units | ug/L | | ug/L | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | N/A | | | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | | | | | | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 10 | U | 10 | U | | | | | | |
| DIBROMOCHLOROMETHANE | 10 | U | 10 | U | | | | | | |
| 1,2-DIBROMOETHANE | 10 | U | 10 | U | | | | | | |
| CHLOROBENZENE | 10 | U | 10 | U | | | | | | |
| ETHYLBENZENE | 10 | U | 10 | U | | | | | | |
| XYLENES (TOTAL) | 10 | U | 10 | U | | | | | | |
| STYRENE | 10 | U | 10 | U | | | | | | |
| BROMOFORM | 10 | U | 10 | U | | | | | | |
| ISOPROPYLBENZENE | 10 | U | 10 | U | | | | | | |
| 1,1,2,2-TETRACHLOROETHANE | 10 | U | 10 | U | | | | | | |
| 1,3-DICHLOROBENZENE | 10 | U | 10 | U | | | | | | |
| 1,4-DICHLOROBENZENE | 10 | U | 10 | U | | | | | | |
| 1,2-DICHLOROBENZENE | 10 | U | 10 | U | | | | | | |
| 1,2-DIBROMO-3-CHLOROPROPANE | 10 | R | 10 | R | | | | | | |
| 2,4-TRICHLOROBENZENE | 10 | U | 10 | U | | | | | | |

Case #: 31584 SDG : E0015

Site : ARGONNE PLOT M

Lab : CEIMIC

eviewer :

Date

Number of Soil Samples : 13

Number of Water Samples : 0

| Sample Number : | E0015 | | E0016 | | E0017 | | E0018 | | E0019 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X105 | | X106 | | X107 | | X108 | | X109 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 12:50 | | 12:50 | | 09:50 | | 09:50 | | 11:15 | |
| %Moisture : | 20 | | 11 | | 17 | | 11 | | 19 | |
| pH : | 7.6 | | 8.5 | | 7.2 | | 8.1 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| PHENOL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| BIS-(2-CHLOROETHYL)ETHER | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2-CHLOROPHENOL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2-METHYLPHENOL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| ACETOPHENONE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 4-METHYLPHENOL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| N-NITROSO-DI-N PROPYLAMINE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| HEXACHLOROETHANE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| NITROBENZENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| ISOPHORONE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2-NITROPHENOL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2,4-DIMETHYLPHENOL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| BIS(2-CHLOROETHOXY)METHANE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2,4-DICHLOROPHENOL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| NAPHTHALENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 4-CHLOROANILINE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| HEXACHLOROBUTADIENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| CAPROLACTAM | 410 | UJ | 370 | UJ | 400 | UJ | 360 | UJ | 400 | UJ |
| 4-CHLORO-3-METHYLPHENOL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2-METHYLNAPHTHALENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| HEXACHLOROCYCLO-PENTADIEN | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2,4,6-TRICHLOROPHENOL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2,4,5-TRICHLOROPHENOL | 1000 | U | 930 | U | 1000 | U | 920 | U | 1000 | U |
| 1,1'-BIPHENYL | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2-CHLORONAPHTHALENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2-NITROANILINE | 1000 | U | 930 | U | 1000 | U | 920 | U | 1000 | U |
| DIMETHYLPHTHALATE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2,6-DINITROTOLUENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| ACENAPHTHYLENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 3-NITROANILINE | 1000 | U | 930 | U | 1000 | U | 920 | U | 1000 | U |
| ACENAPHTHENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0015 | | E0016 | | E0017 | | E0018 | | E0019 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X105 | | X106 | | X107 | | X108 | | X109 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 12:50 | | 12:50 | | 09:50 | | 09:50 | | 11:15 | |
| %Moisture : | 20 | | 11 | | 17 | | 11 | | 19 | |
| pH : | 7.6 | | 8.5 | | 7.2 | | 8.1 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 1000 | UJ | 930 | UJ | 1000 | UJ | 920 | UJ | 1000 | UJ |
| 4-NITROPHENOL | 1000 | U | 930 | U | 1000 | U | 920 | U | 1000 | U |
| DIBENZOFURAN | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 2,4-DINITROTOLUENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| DIETHYLPHTHALATE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| FLUORENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 4-CHLOROPHENYL-PHENYL ETHER | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 4-NITROANILINE | 1000 | U | 930 | U | 1000 | U | 920 | U | 1000 | U |
| 4,6-DINITRO-2-METHYLPHENOL | 1000 | U | 930 | U | 1000 | U | 920 | U | 1000 | U |
| N-NITROSO DIPHENYLAMINE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 4-BROMOPHENYL-PHENYLETHER | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| HEXACHLOROBENZENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| ATRAZINE | 410 | UJ | 370 | UJ | 400 | UJ | 360 | UJ | 400 | UJ |
| PENTACHLOROPHENOL | 1000 | U | 930 | U | 1000 | U | 920 | U | 1000 | U |
| PHENANTHRENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| ANTHRACENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| CARBAZOLE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| DI-N-BUTYLPHTHALATE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| FLUORANTHENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| PYRENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| BUTYLBENZYLPHTHALATE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| 3,3'-DICHLOROBENZIDINE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| BENZO(A)ANTHRACENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| CHRYSENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 410 | UJ | 370 | U | 400 | UJ | 360 | UJ | 400 | UJ |
| DI-N-OCTYLPHTHALATE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| BENZO(B)FLUORANTHENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| BENZO(K)FLUORANTHENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| BENZO(A)PYRENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| INDENO(1,2,3-CD)-PYRENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| DIBENZO(A,H)-ANTHRACENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |
| BENZO(G,H,I)PERYLENE | 410 | U | 370 | U | 400 | U | 360 | U | 400 | U |

Case # 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
eviewer :
Date

| Sample Number : | E0020 | | E0021 | | E0022 | | E0023 | | E0024 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X110 | | X111 | | X101 | | X102 | | X103 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 11:15 | | 11:15 | | 14:45 | | 14:45 | | 13:55 | |
| %Moisture : | 19 | | 15 | | 11 | | 13 | | 22 | |
| pH : | 6.9 | | 8.9 | | 8.7 | | 7.8 | | 5.5 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| PHENOL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| BIS-(2-CHLOROETHYL)ETHER | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2-CHLOROPHENOL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2-METHYLPHENOL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| ACETOPHENONE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 4-METHYLPHENOL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| N-NITROSO-DI-N PROPYLAMINE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| HEXACHLOROETHANE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| NITROBENZENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| ISOPHORONE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2-NITROPHENOL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2,4-DIMETHYLPHENOL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| BIS(2-CHLOROETHOXY)METHANE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2,4-DICHLOROPHENOL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| NAPHTHALENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 4-CHLOROANILINE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| HEXACHLOROBUTADIENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| CAPROLACTAM | 400 | UJ | 380 | UJ | 370 | UJ | 380 | UJ | 420 | UJ |
| 4-CHLORO-3-METHYLPHENOL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2-METHYLNAPHTHALENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| HEXACHLOROCYCLO-PENTADIEN | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2,4 6-TRICHLOROPHENOL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2,4,5-TRICHLOROPHENOL | 1000 | U | 960 | U | 920 | U | 940 | U | 1100 | U |
| 1,1'-BIPHENYL | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2-CHLORONAPHTHALENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2-NITROANILINE | 1000 | U | 960 | U | 920 | U | 940 | U | 1100 | U |
| DIMETHYLPHTHALATE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2,6-DINITROTOLUENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| ACENAPHTHYLENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 3-NITROANILINE | 1000 | U | 960 | U | 920 | U | 940 | U | 1100 | U |
| ACENAPHTHENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. CEIMIC
Reviewer :
Date :

| Sample Number : | E0020 | | E0021 | | E0022 | | E0023 | | E0024 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X110 | | X111 | | X101 | | X102 | | X103 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 11:15 | | 11:15 | | 14:45 | | 14:45 | | 13:55 | |
| %Moisture : | 19 | | 15 | | 11 | | 13 | | 22 | |
| pH : | 6.9 | | 8.9 | | 8.7 | | 7.8 | | 5.5 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 1000 | UJ | 960 | UJ | 920 | UJ | 940 | UJ | 1100 | UJ |
| 4-NITROPHENOL | 1000 | U | 960 | U | 920 | U | 940 | U | 1100 | U |
| DIBENZOFURAN | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 2,4-DINITROTOLUENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| DIETHYLPHTHALATE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| FLUORENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 4-CHLOROPHENYL-PHENYL ETHER | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 4-NITROANILINE | 1000 | U | 960 | U | 920 | U | 940 | U | 1100 | U |
| 4,6-DINITRO-2-METHYLPHENOL | 1000 | U | 960 | U | 920 | U | 940 | U | 1100 | U |
| N-NITROSO DIPHENYLAMINE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 4-BROMOPHENYL-PHENYLETHER | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| HEXACHLOROBENZENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| ATRAZINE | 400 | UJ | 380 | UJ | 370 | UJ | 380 | UJ | 420 | UJ |
| PENTACHLOROPHENOL | 1000 | U | 960 | U | 920 | U | 940 | U | 1100 | U |
| PHENANTHRENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| ANTHRACENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| CARBAZOLE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| DI-N-BUTYLPHTHALATE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| FLUORANTHENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| PYRENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| BUTYLBENZYLPHTHALATE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| 3,3'-DICHLOROBENZIDINE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| BENZO(A)ANTHRACENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| CHRYSENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 400 | UJ | 1700 | U | 370 | UJ | 810 | U | 420 | UJ |
| DI-N-OCTYLPHTHALATE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| BENZO(B)FLUORANTHENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| BENZO(K)FLUORANTHENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| BENZO(A)PYRENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| INDENO(1,2,3-CD)-PYRENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| DIBENZO(A,H)-ANTHRACENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |
| BENZO(G,H,I)PERYLENE | 400 | U | 380 | U | 370 | U | 380 | U | 420 | U |

## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date

| Sample Number : | E0025 | | E0026 | | E0026MS | | E0026MSD | | E0027 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X104 | | X112 | | X112 | | X112 | | X113 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 13:55 | | 16:30 | | 16:30 | | 16:30 | | 16:30 | |
| %Moisture : | 13 | | 14 | | 14 | | 14 | | 14 | |
| pH : | 8.8 | | 8.2 | | 8.2 | | 8.2 | | 8.6 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| PHENOL | 370 | U | 380 | U | 1700 | | 1800 | | 380 | U |
| BIS-(2-CHLOROETHYL)ETHER | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2-CHLOROPHENOL | 370 | U | 380 | U | 1600 | | 1700 | | 380 | U |
| 2-METHYLPHENOL | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| ACETOPHENONE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 4-METHYLPHENOL | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| N-NITROSO-DI-N PROPYLAMINE | 370 | U | 380 | U | 1200 | | 1200 | | 380 | U |
| HEXACHLOROETHANE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| NITROBENZENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| ISOPHORONE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2-NITROPHENOL | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2,4-DIMETHYLPHENOL | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| BIS(2-CHLOROETHOXY)METHANE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2,4-DICHLOROPHENOL | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| NAPHTHALENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 4-CHLOROANILINE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| HEXACHLOROBUTADIENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| CAPROLACTAM | 370 | UJ | 380 | UJ | 380 | U | 380 | U | 380 | U |
| 4-CHLORO-3-METHYLPHENOL | 370 | U | 380 | U | 1900 | | 2000 | | 380 | U |
| 2-METHYLNAPHTHALENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| HEXACHLOROCYCLO-PENTADIEN | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2,4,6-TRICHLOROPHENOL | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2,4,5-TRICHLOROPHENOL | 940 | U | 950 | U | 960 | U | 960 | U | 950 | U |
| 1,1'-BIPHENYL | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2-CHLORONAPHTHALENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2-NITROANILINE | 940 | U | 950 | U | 960 | U | 960 | U | 950 | U |
| DIMETHYLPHTHALATE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2,6-DINITROTOLUENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| ACENAPHTHYLENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 3-NITROANILINE | 940 | U | 950 | U | 960 | U | 960 | U | 950 | U |
| ACENAPHTHENE | 370 | U | 380 | U | 1200 | | 1300 | | 380 | U |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0025 | | E0026 | | E0026MS | | E0026MSD | | E0027 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X104 | | X112 | | X112 | | X112 | | X113 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 13:55 | | 16:30 | | 16:30 | | 16:30 | | 16:30 | |
| %Moisture : | 13 | | 14 | | 14 | | 14 | | 14 | |
| pH : | 8.8 | | 8.2 | | 8.2 | | 8.2 | | 8.6 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 940 | UJ | 950 | UJ | 960 | U | 960 | U | 950 | U |
| 4-NITROPHENOL | 940 | U | 950 | U | 2000 | | 2000 | | 950 | U |
| DIBENZOFURAN | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 2,4-DINITROTOLUENE | 370 | U | 380 | U | 1300 | | 1300 | | 380 | U |
| DIETHYLPHTHALATE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| FLUORENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 4-CHLOROPHENYL-PHENYL ETHER | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 4-NITROANILINE | 940 | U | 950 | U | 960 | UJ | 960 | UJ | 950 | UJ |
| 4,6-DINITRO-2-METHYLPHENOL | 940 | U | 950 | U | 960 | U | 960 | U | 950 | U |
| N-NITROSO DIPHENYLAMINE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 4-BROMOPHENYL-PHENYLETHER | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| HEXACHLOROBENZENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| ATRAZINE | 370 | UJ | 380 | UJ | 380 | UJ | 380 | UJ | 380 | UJ |
| PENTACHLOROPHENOL | 940 | U | 950 | U | 2200 | | 2100 | | 950 | U |
| PHENANTHRENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| ANTHRACENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| CARBAZOLE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| DI-N-BUTYLPHTHALATE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| FLUORANTHENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| PYRENE | 370 | U | 380 | U | 1400 | | 1400 | | 380 | U |
| BUTYLBENZYLPHTHALATE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| 3,3'-DICHLOROBENZIDINE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| BENZO(A)ANTHRACENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| CHRYSENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 370 | UJ | 380 | UJ | 380 | UJ | 560 | U | 380 | UJ |
| DI-N-OCTYLPHTHALATE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| BENZO(B)FLUORANTHENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| BENZO(K)FLUORANTHENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| BENZO(A)PYRENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| INDENO(1,2,3-CD)-PYRENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| DIBENZO(A,H)-ANTHRACENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |
| BENZO(G,H,I)PERYLENE | 370 | U | 380 | U | 380 | U | 380 | U | 380 | U |

Case # 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
eviewer :
Date :

| Sample Number : | SBLKKT | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Soil | | | | | | | | | |
| Units : | ug/Kg | | | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | | | | | | | | |
| pH | | | | | | | | | | |
| Dilution Factor : | 1.0 | | | | | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 330 | U | | | | | | | | |
| PHENOL | 330 | U | | | | | | | | |
| BIS-(2-CHLOROETHYL)ETHER | 330 | U | | | | | | | | |
| 2-CHLOROPHENOL | 330 | U | | | | | | | | |
| 2-METHYLPHENOL | 330 | U | | | | | | | | |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 330 | U | | | | | | | | |
| ACETOPHENONE | 330 | U | | | | | | | | |
| 4-METHYLPHENOL | 330 | U | | | | | | | | |
| N-NITROSO-DI-N PROPYLAMINE | 330 | U | | | | | | | | |
| HEXACHLOROETHANE | 330 | U | | | | | | | | |
| NITROBENZENE | 330 | U | | | | | | | | |
| ISOPHORONE | 330 | U | | | | | | | | |
| 2-NITROPHENOL | 330 | U | | | | | | | | |
| 2,4-DIMETHYLPHENOL | 330 | U | | | | | | | | |
| IS(2-CHLOROETHOXY)METHANE | 330 | U | | | | | | | | |
| 2,4-DICHLOROPHENOL | 330 | U | | | | | | | | |
| NAPHTHALENE | 330 | U | | | | | | | | |
| 4-CHLOROANILINE | 330 | U | | | | | | | | |
| HEXACHLOROBUTADIENE | 330 | U | | | | | | | | |
| CAPROLACTAM | 330 | UJ | | | | | | | | |
| 4-CHLORO-3-METHYLPHENOL | 330 | U | | | | | | | | |
| 2-METHYLNAPHTHALENE | 330 | U | | | | | | | | |
| HEXACHLOROCYCLO-PENTADIEN | 330 | U | | | | | | | | |
| 2,4,6-TRICHLOROPHENOL | 330 | U | | | | | | | | |
| 2,4,5-TRICHLOROPHENOL | 830 | U | | | | | | | | |
| 1,1'-BIPHENYL | 330 | U | | | | | | | | |
| 2-CHLORONAPHTHALENE | 330 | U | | | | | | | | |
| 2-NITROANILINE | 830 | U | | | | | | | | |
| DIMETHYLPHTHALATE | 330 | U | | | | | | | | |
| 2,6-DINITROTOLUENE | 330 | U | | | | | | | | |
| ACENAPHTHYLENE | 330 | U | | | | | | | | |
| 3-NITROANILINE | 830 | U | | | | | | | | |
| ACENAPHTHENE | 330 | U | | | | | | | | |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | SBLKKT | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Soil | | | | | | | | | |
| Units : | ug/Kg | | | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | | | | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | | | | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 830 | UJ | | | | | | | | |
| 4-NITROPHENOL | 830 | U | | | | | | | | |
| DIBENZOFURAN | 330 | U | | | | | | | | |
| 2,4-DINITROTOLUENE | 330 | U | | | | | | | | |
| DIETHYLPHTHALATE | 330 | U | | | | | | | | |
| FLUORENE | 330 | U | | | | | | | | |
| 4-CHLOROPHENYL-PHENYL ETHER | 330 | U | | | | | | | | |
| 4-NITROANILINE | 830 | U | | | | | | | | |
| 4,6-DINITRO-2-METHYLPHENOL | 830 | U | | | | | | | | |
| N-NITROSO DIPHENYLAMINE | 330 | U | | | | | | | | |
| 4-BROMOPHENYL-PHENYLETHER | 330 | U | | | | | | | | |
| HEXACHLOROBENZENE | 330 | U | | | | | | | | |
| ATRAZINE | 330 | UJ | | | | | | | | |
| PENTACHLOROPHENOL | 830 | U | | | | | | | | |
| PHENANTHRENE | 330 | U | | | | | | | | |
| ANTHRACENE | 330 | U | | | | | | | | |
| CARBAZOLE | 330 | U | | | | | | | | |
| DI-N-BUTYLPHTHALATE | 330 | U | | | | | | | | |
| FLUORANTHENE | 330 | U | | | | | | | | |
| PYRENE | 330 | U | | | | | | | | |
| BUTYLBENZYLPHTHALATE | 330 | U | | | | | | | | |
| 3,3'-DICHLOROBENZIDINE | 330 | U | | | | | | | | |
| BENZO(A)ANTHRACENE | 330 | U | | | | | | | | |
| CHRYSENE | 330 | U | | | | | | | | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 450 | | | | | | | | | |
| DI-N-OCTYLPHTHALATE | 330 | U | | | | | | | | |
| BENZO(B)FLUORANTHENE | 330 | U | | | | | | | | |
| BENZO(K)FLUORANTHENE | 330 | U | | | | | | | | |
| BENZO(A)PYRENE | 330 | U | | | | | | | | |
| INDENO(1,2,3-CD)-PYRENE | 330 | U | | | | | | | | |
| DIBENZO(A,H)-ANTHRACENE | 330 | U | | | | | | | | |
| BENZO(G,H,I)PERYLENE | 330 | U | | | | | | | | |

## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab : CEIMIC
iewer :
ate :

Number of Soil Samples : 13
Number of Water Samples : 0

| Sample Number : | E0015 | | E0016 | | E0017 | | E0018 | | E0019 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X105 | | X106 | | X107 | | X108 | | X109 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 12:50 | | 12:50 | | 09:50 | | 09:50 | | 11:15 | |
| %Moisture : | 20 | | 11 | | 18 | | 11 | | 19 | |
| pH : | 7.6 | | 8.5 | | 7.2 | | 8.1 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| BETA-BHC | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| DELTA-BHC | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| GAMMA-BHC (LINDANE) | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| HEPTACHLOR | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| ALDRIN | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| HEPTACHLOR EPOXIDE | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| ENDOSU1FAN I | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| DIELDRIN | 4.1 | U | 3.7 | U | 4.0 | U | 3.7 | U | 4.0 | U |
| 4,4'-DDE | 4.1 | U | 3.7 | U | 4.0 | U | 3.7 | U | 4.0 | U |
| ENDRIN | 4.1 | U | 3.7 | U | 4.0 | U | 3.7 | U | 4.0 | U |
| ENDOSULFAN II | 4.1 | U | 3.7 | U | 4.0 | U | 3.7 | U | 4.0 | U |
| 4,4'-DDD | 4.1 | U | 3.7 | U | 4.0 | U | 3.7 | U | 4.0 | U |
| ENDOSULFAN SULFATE | 4.1 | U | 3.7 | U | 4.0 | U | 3.7 | U | 4.0 | U |
| -DDT | 4.1 | U | 3.7 | U | 4.0 | U | 3.7 | U | 4.0 | U |
| ETHOXYCHLOR | 21 | U | 19 | U | 21 | U | 19 | U | 21 | U |
| ENDRIN KETONE | 4.1 | U | 3.7 | U | 4.0 | U | 3.7 | U | 4.0 | U |
| ENDRIN ALDEHYDE | 4.1 | U | 3.7 | U | 4.0 | U | 3.7 | U | 4.0 | U |
| ALPHA-CHLORDANE | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| GAMMA-CHLORDANE | 2.1 | U | 1.9 | U | 2.1 | U | 1.9 | U | 2.1 | U |
| TOXAPHENE | 210 | U | 190 | U | 210 | U | 190 | U | 210 | U |
| AROCLOR-1016 | 41 | U | 37 | U | 40 | U | 37 | U | 40 | U |
| AROCLOR-1221 | 82 | U | 75 | U | 81 | U | 75 | U | 82 | U |
| AROCLOR-1232 | 41 | U | 37 | U | 40 | U | 37 | U | 40 | U |
| AROCLOR-1242 | 41 | U | 37 | U | 40 | U | 37 | U | 40 | U |
| AROCLOR-1248 | 41 | U | 37 | U | 40 | U | 37 | U | 40 | U |
| AROCLOR-1254 | 41 | U | 37 | U | 40 | U | 37 | U | 40 | U |
| AROCLOR-1260 | 41 | U | 37 | U | 40 | U | 37 | U | 40 | U |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
viewer :
Date :

| Sample Number : | E0020 | | E0021 | | E0022 | | E0023 | | E0024 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X110 | | X111 | | X101 | | X102 | | X103 | |
| Matrix | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 11:15 | | 11:15 | | 14:45 | | 14:45 | | 13:55 | |
| %Moisture : | 19 | | 15 | | 11 | | 13 | | 22 | |
| pH : | 6.9 | | 8.9 | | 8.7 | | 7.8 | | 5.5 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| BETA-BHC | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| DELTA-BHC | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| GAMMA-BHC (LINDANE) | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| HEPTACHLOR | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| ALDRIN | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| HEPTACHLOR EPOXIDE | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| ENDOSU1FAN I | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| DIELDRIN | 4.0 | U | 3.9 | U | 3.7 | U | 3.7 | U | 4.2 | U |
| 4,4'-DDE | 4.0 | U | 3.9 | U | 3.7 | U | 3.7 | U | 4.2 | U |
| ENDRIN | 4.0 | U | 3.9 | U | 3.7 | U | 3.7 | U | 4.2 | U |
| ENDOSULFAN II | 4.0 | U | 3.9 | U | 3.7 | U | 3.7 | U | 4.2 | U |
| 4,4'-DDD | 4.0 | U | 3.9 | U | 3.7 | U | 3.7 | U | 4.2 | U |
| ENDOSULFAN SULFATE | 4.0 | U | 3.9 | U | 3.7 | U | 3.7 | U | 4.2 | U |
| 4'-DDT | 4.0 | U | 3.9 | U | 3.7 | U | 3.7 | U | 4.2 | U |
| METHOXYCHLOR | 21 | U | 20 | U | 19 | U | 19 | U | 22 | U |
| ENDRIN KETONE | 4.0 | U | 3.9 | U | 3.7 | U | 3.7 | U | 4.2 | U |
| ENDRIN ALDEHYDE | 4.0 | U | 3.9 | U | 3.7 | U | 3.7 | U | 4.2 | U |
| ALPHA-CHLORDANE | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| GAMMA-CHLORDANE | 2.1 | U | 2.0 | U | 1.9 | U | 1.9 | U | 2.2 | U |
| TOXAPHENE | 210 | U | 200 | U | 190 | U | 190 | U | 220 | U |
| AROCLOR-1016 | 40 | U | 39 | U | 37 | U | 37 | U | 42 | U |
| AROCLOR-1221 | 82 | U | 78 | U | 74 | U | 76 | U | 85 | U |
| AROCLOR-1232 | 40 | U | 39 | U | 37 | U | 37 | U | 42 | U |
| AROCLOR-1242 | 40 | U | 39 | U | 37 | U | 37 | U | 42 | U |
| AROCLOR-1248 | 40 | U | 39 | U | 37 | U | 37 | U | 42 | U |
| AROCLOR-1254 | 40 | U | 39 | U | 37 | U | 37 | U | 42 | U |
| AROCLOR-1260 | 40 | U | 39 | U | 37 | U | 37 | U | 42 | U |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
eviewer :
Date :

| Sample Number : | E0025 | | E0026 | | E0026MS | | E0026MSD | | E0027 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X104 | | X112 | | X112 | | X112 | | X113 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 13:55 | | 16:30 | | 16:30 | | 16:30 | | 16:30 | |
| %Moisture : | 14 | | 14 | | 14 | | 14 | | 14 | |
| pH : | 8.8 | | 8.2 | | 8.2 | | 8.2 | | 8.6 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U |
| BETA-BHC | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U |
| DELTA-BHC | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U |
| GAMMA-BHC (LINDANE) | 2.0 | U | 2.0 | U | 14 | | 13 | | 2.0 | U |
| HEPTACHLOR | 2.0 | U | 2.0 | U | 14 | | 14 | | 2.0 | U |
| ALDRIN | 2.0 | U | 2.0 | U | 14 | | 14 | | 2.0 | U |
| HEPTACHLOR EPOXIDE | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U |
| ENDOSU1FAN I | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U |
| DIELDRIN | 3.8 | U | 3.8 | U | 36 | | 30 | | 3.8 | U |
| 4,4'-DDE | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U |
| ENDRIN | 3.8 | U | 3.8 | U | 42 | | 33 | | 3.8 | U |
| ENDOSULFAN II | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U |
| 4,4'-DDD | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U |
| ENDOSULFAN SULFATE | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U |
| 4'-DDT | 3.8 | U | 3.8 | U | 37 | | 32 | | 3.8 | U |
| METHOXYCHLOR | 20 | U | 20 | U | 39 | | 20 | U | 20 | U |
| ENDRIN KETONE | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U |
| ENDRIN ALDEHYDE | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U | 3.8 | U |
| ALPHA-CHLORDANE | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U |
| GAMMA-CHLORDANE | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U |
| TOXAPHENE | 200 | U | 200 | U | 200 | U | 200 | U | 200 | U |
| AROCLOR-1016 | 38 | U | 38 | U | 38 | U | 38 | U | 38 | U |
| AROCLOR-1221 | 78 | U | 77 | U | 77 | U | 77 | U | 78 | U |
| AROCLOR-1232 | 38 | U | 38 | U | 38 | U | 38 | U | 38 | U |
| AROCLOR-1242 | 38 | U | 38 | U | 38 | U | 38 | U | 38 | U |
| AROCLOR-1248 | 38 | U | 38 | U | 38 | U | 38 | U | 38 | U |
| AROCLOR-1254 | 38 | U | 38 | U | 38 | U | 38 | U | 38 | U |
| AROCLOR-1260 | 38 | U | 38 | U | 38 | U | 38 | U | 38 | U |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0015
Site : ARGONNE PLOT M
Lab. : CEIMIC
viewer :
Date :

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number : | PBLK01 | | | | | | | | | |
| Sampling Location : | | | | | | | | | | |
| Matrix : | Soil | | | | | | | | | |
| Units : | ug/Kg | | | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | | | | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | | | | | | | | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 1.7 | U | | | | | | | | |
| BETA-BHC | 1.7 | U | | | | | | | | |
| DELTA-BHC | 1.7 | U | | | | | | | | |
| GAMMA-BHC (LINDANE) | 1.7 | U | | | | | | | | |
| HEPTACHLOR | 1.7 | U | | | | | | | | |
| ALDRIN | 1.7 | U | | | | | | | | |
| HEPTACHLOR EPOXIDE | 1.7 | U | | | | | | | | |
| ENDOSU1FAN I | 1.7 | U | | | | | | | | |
| DIELDRIN | 3.3 | U | | | | | | | | |
| 4,4'-DDE | 3.3 | U | | | | | | | | |
| ENDRIN | 3.3 | U | | | | | | | | |
| ENDOSULFAN II | 3.3 | U | | | | | | | | |
| 4,4'-DDD | 3.3 | U | | | | | | | | |
| ENDOSULFAN SULFATE | 3.3 | U | | | | | | | | |
| 4'-DDT | 3.3 | U | | | | | | | | |
| METHOXYCHLOR | 17 | U | | | | | | | | |
| ENDRIN KETONE | 3.3 | U | | | | | | | | |
| ENDRIN ALDEHYDE | 3.3 | U | | | | | | | | |
| ALPHA-CHLORDANE | 1.7 | U | | | | | | | | |
| GAMMA-CHLORDANE | 1.7 | U | | | | | | | | |
| TOXAPHENE | 170 | U | | | | | | | | |
| AROCLOR-1016 | 33 | U | | | | | | | | |
| AROCLOR-1221 | 67 | U | | | | | | | | |
| AROCLOR-1232 | 33 | U | | | | | | | | |
| AROCLOR-1242 | 33 | U | | | | | | | | |
| AROCLOR-1248 | 33 | U | | | | | | | | |
| AROCLOR-1254 | 33 | U | | | | | | | | |
| AROCLOR-1260 | 33 | U | | | | | | | | |

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Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 4-28-03

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: PLOT M. PALOS FOREST PRESERVE (ARGONNE) (IL)

CASE NUMBER: 31584 SDG NUMBER: E0015

Number and Type of Samples: 13 (SOIL)

Sample Numbers: E0015-27

Laboratory: CEIMIC Hrs for Review:

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

# SAMPLE DELIVERY GROUP (SDG)
# TRAFFIC REPORT (TR) COVERSHEET

**Lab Name:** Ceimic Corporation **Lab Code:** CEIMIC

**Case No.:** 31584 **Bid Lot:** A

**Contract No:** 68-W-03-018 **Full Sample Analysis Price:** $264.00

---

**First Sample in SDG:** E0015 **Sample Receipt Date:** 4/10/2003

*(Lowest EPA Sample Number in the first shipment of samples received under SDG.)*

**Last Sample in SDG:** E0027 **Sample Receipt Date:** 4/10/2003

*(Highest EPA Sample Number in the last shipment of samples received under SDG.)*

---

EPA Sample Numbers in the SDG (listed in alphanumeric order by date received)

| | |
|---|---|
| **1.** E0015 | **11.** E0025 |
| **2.** E0016 | **12.** E0026 |
| **3.** E0017 | **13.** E0027 |
| **4.** E0018 | **14.** |
| **5.** E0019 | **15.** |
| **6.** E0020 | **16.** |
| **7.** E0021 | **17.** |
| **8.** E0022 | **18.** |
| **9.** E0023 | **19.** |
| **10.** E0024 | **20.** |

*Note: There are a maximum of 20 field samples in an SDG.*

Attach Traffic Reports to this form in alphanumeric order by date received.
(i.e. The order listed on this form)

Jessica Robinson
Signature

4/23/03
Date

# USEPA Contract Laboratory Program
# Organic Traffic Report & Chain of Custody Record

Case No: 31584
DAS No:
SDG No: E0015

L

| | |
|---|---|
| Date Shipped: | ~~4/11/03~~ 4/9/03 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210022706 |
| Shipped to: | Celmic Corporation<br>10 Dean Krauss Drive<br>Narragansett RI 02882<br>(401) 782-8900 |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 [illegible] | 4/11/03 1000 | Elizabeth Astring | 4/10/03 10:00 |
| 2 EA | | 4/11/03 | |
| 3 | | | |
| 4 | | | |

Sampler Signature:

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W03018 |
| Unit Price: | A |
| Transfer To: | EA 4/11/03 |
| Lab Contract No: | |
| Unit Price: | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| E0015 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279908 (Ice Only), 5-279909 (Ice Only), 5-279910 (Ice Only) (3) | X105 | S: 4/9/03 | 12:50 | ME0015 | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete?N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Custody Seal Intact? ___ | Shipment Iced? ___ |

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

TR Number: 5-414630194-041103-0006

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

LABORATORY COPY

# USEPA Contract Laboratory Program
# Organic Traffic Report & Chain of Custody Rec

Case No: 31584
DAS No:
SDG No: E0015

L

| | |
|---|---|
| Date Shipped: | 4/9/03 |
| Carrier Name: | UPS |
| Airbill: | 1z6215892210022708 |
| Shipped to: | Celmic Corporation<br>10 Dean Knauss Drive<br>Narragansett RI 02882<br>(401) 782-8900 |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| [illegible] | 4/11/03 1000 | Elizabeth Astring | 4/10/03 10:00 |
| 2 | EA | 4/11/03 | |
| 3 | | | |
| 4 | | | |

Sampler Signature:

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W03018 |
| Unit Price: | A |
| Transfer To: | EA 4/11/03 |
| Lab Contract No: | |
| Unit Price: | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| E0016 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279912 (Ice Only), 5-279913 (Ice Only), 5-279914 (Ice Only) (3) | X106 | S: 4/9/03 | 12:50 | ME0016 | |
| E0017 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279916 (Ice Only), 5-279917 (Ice Only), 5-279918 (Ice Only) (3) | X107 | S: 4/9/03 | 9:50 | ME0017 | * samples rec'd 4/10; COC rec'd 4/11 |
| E0018 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279920 (Ice Only), 5-279921 (Ice Only), 5-279922 (Ice Only) (3) | X108 | S: 4/9/03 | 9:50 | ME0018 | |
| E0019 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279924 (Ice Only), 5-279925 (Ice Only), 5-279926 (Ice Only) (3) | X109 | S: 4/9/03 | 11:15 | ME0019 | |
| E0020 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279928 (Ice Only), 5-279929 (Ice Only), 5-279930 (Ice Only) (3) | X110 | S: 4/9/03 | 11:15 | ME0020 | |
| E0021 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279932 (Ice Only), 5-279933 (Ice Only), 5-279934 (Ice Only) (3) | X111 | S: 4/9/03 | 11:15 | ME0021 | |
| E0022 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279936 (Ice Only), 5-279937 (Ice Only), 5-279938 (Ice Only) (3) | X101 | S: 4/9/03 | 14:45 | ME0022 | |
| E0023 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279940 (Ice Only), 5-279941 (Ice Only), 5-279942 (Ice Only) (3) | X102 | S: 4/9/03 | 14:45 | ME0023 | |
| E0024 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279944 (Ice Only), 5-279945 (Ice Only), 5-279946 (Ice Only) (3) | X103 | S: 4/9/03 | 13:55 | ME0024 | |
| E0025 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279948 (Ice Only), 5-28001 (Ice Only), 5-28002 (Ice Only) (3) | X104 | S: 4/9/03 | 13:55 | ME0025 | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete?N | Sample(s) to be used for laboratory QC:<br>E0019, E0020, E0026 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? ___ Shipment Iced? ___ |

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

TR Number: 5-414630194-041103-0005

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA, 20191-3400 Phone 703/264-9348 Fax 703/264-9222

# USEPA Contract Laboratory Program
# Organic Traffic Report & Chain of Custody Record

Case No: 31584
DAS No:
SDG No: E0015

L

| | | | |
|---|---|---|---|
| Date Shipped: ~~4/9/03~~ 4/9/03 | **Chain of Custody Record** | Sampler Signature: | **For Lab Use Only** |
| Carrier Name: UPS | Relinquished By (Date / Time) | Received By (Date / Time) | Lab Contract No: 68W03018 |
| Airbill: 1z8215892210022706 | 1 [illegible] 4/11/03 1000 | Elizabeth Astring 4/10/03 10:00 | Unit Price: A |
| Shipped to: Ceimic Corporation, 10 Dean Knauss Drive, Narragansett RI 02882, (401) 782-8900 | 2 EA 4/11/03 | | Transfer To: EA 4/11/03 |
| | 3 | | Lab Contract No: |
| | 4 | | Unit Price: |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| E0026 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-28004 (Ice Only), 5-28005 (Ice Only), 5-28006 (Ice Only) (3) | X112 | S: 4/9/03 | 16:30 | ME0026 | |
| E0027 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-28008 (Ice Only), 5-28009 (Ice Only), 5-28010 (Ice Only) (3) | X113 | S: 4/9/03 | 16:30 | ME0027 | |

| | | | | | |
|---|---|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: E0019, E0020, E0028 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: | Chain of Custody Seal Number: | |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? ___ | Shipment Iced? ___ |
| BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles | | | | | |

TR Number: 5-414630194-041103-0005

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 703/264-8348 Fax 703/264-9222

## SDG Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 31584, SDG No. E0015, Contract No. 68-W-03-018. Under this SDG there are 15 VOA, 15 SVOA and 15 Pest/PCB analyses for 13 soil samples received at Ceimic Corporation on April 10, 2003.

| EPA ID: | CEIMIC ID: | Analysis |
|---|---|---|
| E0022 | 030372-01 | VOA, SVOA, Pest/PCB |
| E0023 | 030372-02 | VOA, SVOA, Pest/PCB |
| E0024 | 030372-03 | VOA, SVOA, Pest/PCB |
| E0025 | 030372-04 | VOA, SVOA, Pest/PCB |
| E0015 | 030372-05 | VOA, SVOA, Pest/PCB |
| E0016 | 030372-06 | VOA, SVOA, Pest/PCB |
| E0017 | 030372-07 | VOA, SVOA, Pest/PCB |
| E0018 | 030372-08 | VOA, SVOA, Pest/PCB |
| E0019 | 030372-09 | VOA, SVOA, Pest/PCB |
| E0020 | 030372-10 | VOA, SVOA, Pest/PCB |
| E0021 | 030372-11 | VOA, SVOA, Pest/PCB |
| E0026 | 030372-12 | VOA, SVOA, Pest/PCB |
| E0026MS | 030372-12MS | VOA, SVOA, Pest/PCB |
| E0026MSD | 030372-12MSD | VOA, SVOA, Pest/PCB |
| E0027 | 030372-13 | VOA, SVOA, Pest/PCB |

**Sample Receipt**

Cooler Temperatures upon receipt were 6°C.

**(2) Instrumentation and Column Identification**

The following instruments were used for the analyses:

**GC/MS Analysis**

A. VOA

MS12 HP5973 GC/MS,25 m, 0.20mm ID, 1um, DB-624 capillary column
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

MS17 HP5973 GC/MS, 30m, 0.25mm ID, 1.4 um, RTX-624 capillary column.
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS11 HP6890 GC, HP5973MS,30 m,25 mm ID, ZB-5 fused silica capillary column

C. Pest/PCB

AD17: HP5890II (GC6) using 30m x 0.53mm ID, DB5 megabore column
AD18: HP5890II (GC6) using 30m x 0.53mm ID, DB35 megabore column

(3) **Sample Information**

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letters "M" for GC/MS and "FF" for GC are used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The %moisture of the soil samples was:

| Client ID: | Ceimic ID: | %M: |
|---|---|---|
| E0015 | 030372-05 | 16 |
| E0016 | 030372-06 | 11 |
| E0017 | 030372-07 | 20 |
| E0018 | 030372-08 | 11 |
| E0019 | 030372-09 | 20 |
| E0020 | 030372-10 | 20 |
| E0021 | 030372-11 | 14 |
| E0022 | 030372-01 | 13 |
| E0023 | 030372-02 | 9 |
| E0024 | 030372-03 | 17 |
| E0025 | 030372-04 | 13 |
| E0026 | 030372-12 | 16 |
| E0027 | 030372-13 | 13 |

The recovery of the spike compound 1,1-dichloroethene was flagged as an outlier in the matrix spike duplicate.

B. SVOA Fraction (Method CLP SOW OLM04.3)

The pH and %moisture of the soil samples were:

| Client ID: | Ceimic ID: | pH | %M |
|---|---|---|---|
| E0015 | 030372-05 | 7.6 | 20 |

| | | | |
|---|---|---|---|
| E0016 | 030372-06 | 8.5 | 11 |
| E0017 | 030372-07 | 7.2 | 17 |
| E0018 | 030372-08 | 8.1 | 11 |
| E0019 | 030372-09 | 7.0 | 19 |
| E0020 | 030372-10 | 6.9 | 19 |
| E0021 | 030372-11 | 8.9 | 15 |
| E0022 | 030372-01 | 8.7 | 11 |
| E0023 | 030372-02 | 7.8 | 13 |
| E0024 | 030372-03 | 5.5 | 22 |
| E0025 | 030372-04 | 8.8 | 13 |
| E0026 | 030372-12 | 8.2 | 14 |
| E0027 | 030372-13 | 8.6 | 14 |

C. Pest/PCB Fraction (Method CLP SOW OLM04.3)

No non-compliances noted.

**Deviations from the SOW**

None other than specified above.

End of SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Ines Bauer

Ines Bauer, Laboratory Manager

4/23/03

Date

Report date : 04/21/2003
SDG: E0015

Client Sample ID: E0022 Lab Sample ID: 030372-01 File ID: K3943

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 11.34 | 78 | J |

Client Sample ID: E0025 Lab Sample ID: 030372-04 File ID: K3946

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Branched Alkane | 10.23 | 94 | J |

Client Sample ID: E0027 Lab Sample ID: 030372-13 File ID: K3964

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight Chain Alkane | 10.20 | 77 | J |

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Level:(low/med) LOW

| | EPA SAMPLE NO. | SMC1 (TOL) # | SMC2 (BFB) # | SMC3 (DCE) # | OTHER | TOT OUT |
|---|---|---|---|---|---|---|
| 01 | VBLKLO | 100 | 98 | 96 | | 0 |
| 02 | E0022 | 98 | 100 | 98 | | 0 |
| 03 | E0023 | 98 | 100 | 98 | | 0 |
| 04 | E0024 | 98 | 102 | 96 | | 0 |
| 05 | E0025 | 100 | 98 | 96 | | 0 |
| 06 | E0015 | 98 | 102 | 98 | | 0 |
| 07 | E0016 | 98 | 98 | 98 | | 0 |
| 08 | VBLKOP | 100 | 100 | 96 | | 0 |
| 09 | E0017 | 98 | 100 | 100 | | 0 |
| 10 | E0018 | 100 | 98 | 95 | | 0 |
| 11 | E0019 | 98 | 100 | 98 | | 0 |
| 12 | E0020 | 98 | 100 | 98 | | 0 |
| 13 | E0021 | 100 | 98 | 96 | | 0 |
| 14 | VBLKLS | 100 | 100 | 96 | | 0 |
| 15 | E0026 | 98 | 100 | 100 | | 0 |
| 16 | E0026MS | 100 | 98 | 98 | | 0 |
| 17 | E0026MSD | 100 | 98 | 98 | | 0 |
| 18 | E0027 | 100 | 95 | 95 | | 0 |
| 19 | VBLKQF | 100 | 98 | 100 | | 0 |
| 20 | VHBLK01 | 104 | 98 | 102 | | 0 |
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| | | QC LIMITS |
|---|---|---|
| SMC1 (TOL) | = Toluene-d8 | (84-138) |
| SMC2 (BFB) | = Bromofluorobenzene | (59-113) |
| SMC3 (DCE) | = 1,2-Dichloroethane-d4 | (70-121) |

# Column to be used to flag recovery values

* Values outside of contract required QC limits

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix Spike - EPA Sample No.: E0026 Level:(low/med) LOW

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49 | 0.0 | 34 | 69 | 59-172 |
| Trichloroethene | 49 | 0.0 | 40 | 82 | 62-137 |
| Benzene | 49 | 0.0 | 40 | 82 | 66-142 |
| Toluene | 49 | 0.0 | 42 | 86 | 59-139 |
| Chlorobenzene | 49 | 0.0 | 41 | 84 | 60-133 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 55 | 32 | 58* | 17 | 22 | 59-172 |
| Trichloroethene | 55 | 39 | 71 | 14 | 24 | 62-137 |
| Benzene | 55 | 40 | 73 | 12 | 21 | 66-142 |
| Toluene | 55 | 39 | 71 | 19 | 21 | 59-139 |
| Chlorobenzene | 55 | 38 | 69 | 20 | 21 | 60-133 |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 1 out of 10 outside limits

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

VBLKLO

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Lab File ID: LO055 Lab Sample ID: V120415-B1

Date Analyzed: 04/15/03 Time Analyzed: 1008

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E0022 | 030372-01 | LO068 | 1802 |
| 02 | E0023 | 030372-02 | LO069 | 1838 |
| 03 | E0024 | 030372-03 | LO070 | 1913 |
| 04 | E0025 | 030372-04 | LO071 | 1948 |
| 05 | E0015 | 030372-05 | LO072 | 2023 |
| 06 | E0016 | 030372-06 | LO073 | 2059 |
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COMMENTS:

# VOLATILE METHOD BLANK SUMMARY

VBLKOP

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0015

Lab File ID: LO077  Lab Sample ID: V120416-B1

Date Analyzed: 04/16/03  Time Analyzed: 1119

GC Column: RTX-624  ID: 0.25 (mm)  Heated Purge: (Y/N) Y

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E0017 | 030372-07 | LO088 | 1813 |
| 02 | E0018 | 030372-08 | LO089 | 1848 |
| 03 | E0019 | 030372-09 | LO090 | 1923 |
| 04 | E0020 | 030372-10 | LO091 | 1958 |
| 05 | E0021 | 030372-11 | LO092 | 2033 |
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COMMENTS:

VOLATILE METHOD BLANK SUMMARY

VBLKLS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Lab File ID: LO121 Lab Sample ID: V120418-B1

Date Analyzed: 04/18/03 Time Analyzed: 1035

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E0026 | 030372-12 | LO122 | 1122 |
| 02 | E0026MS | 030372-12MS | LO123 | 1222 |
| 03 | E0026MSD | 030372-12MSD | LO124 | 1257 |
| 04 | E0027 | 030372-13 | LO125 | 1332 |
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COMMENTS:

# VOLATILE METHOD BLANK SUMMARY

VBLKQF

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0015

Lab File ID: Q7115  Lab Sample ID: V170421-B1

Date Analyzed: 04/21/03  Time Analyzed: 1040

GC Column: DB-624  ID: 0.25 (mm)  Heated Purge: (Y/N) Y

Instrument ID: MS17

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | VHBLK01 | 030372-21 | Q7119 | 1311 |
| 02 | | | | |
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COMMENTS:

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0015

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-05

Sample wt/vol: 6.3(g/mL) G Lab File ID: LO072

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 7 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0015

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-05

Sample wt/vol: 6.3(g/mL) G Lab File ID: LO072

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0015

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-05

Sample wt/vol: 6.3 (g/mL) G Lab File ID: LO072

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN ALKENE | 6.70 | 6 | J |
| 2. | UNKNOWN ALDEHYDE | 17.26 | 10 | J |
| 3. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0016

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-06

Sample wt/vol: 6.6(g/mL) G Lab File ID: LO073

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 11 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 2 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 2 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 3 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0016

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-06

Sample wt/vol: 6.6(g/mL) G Lab File ID: LO073

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 11 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 3 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0016

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-06

Sample wt/vol: 6.6 (g/mL) G Lab File ID: LO073

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 11 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN SILOXANE | 20.39 | 13 | J |
| 2. | | | | |
| 3. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0017

Lab Name: CEIMIC CORP Contract: 68-W-C3-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-07

Sample wt/vol: 5.8(g/mL) G Lab File ID: LO088

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 20 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 11 | U |
| 74-87-3 | Chloromethane | 11 | U |
| 75-01-4 | Vinyl Chloride | 11 | U |
| 74-83-9 | Bromomethane | 11 | U |
| 75-00-3 | Chloroethane | 11 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | J |
| 75-35-4 | 1,1-Dichloroethene | 11 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 11 | U |
| 67-64-1 | Acetone | 7 | J |
| 75-15-0 | Carbon Disulfide | 11 | U |
| 79-20-9 | Methyl Acetate | 11 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 11 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 11 | U |
| 75-34-3 | 1,1-Dichloroethane | 11 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 11 | U |
| 78-93-3 | 2-Butanone | 11 | U |
| 67-66-3 | Chloroform | 11 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 11 | U |
| 110-82-7 | Cyclohexane | 11 | U |
| 56-23-5 | Carbon Tetrachloride | 11 | U |
| 71-43-2 | Benzene | 11 | U |
| 107-06-2 | 1,2-Dichloroethane | 11 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0017

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-07

Sample wt/vol: 5.8(g/mL) G Lab File ID: LO088

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 20 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 11 | U |
| 108-87-2 | Methylcyclohexane | 11 | U |
| 78-87-5 | 1,2-Dichloropropane | 11 | U |
| 75-27-4 | Bromodichloromethane | 11 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 11 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 11 | U |
| 108-88-3 | Toluene | 11 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 11 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 11 | U |
| 127-18-4 | Tetrachloroethene | 11 | U |
| 591-78-6 | 2-Hexanone | 11 | U |
| 124-48-1 | Dibromochloromethane | 11 | U |
| 106-93-4 | 1,2-Dibromoethane | 11 | U |
| 108-90-7 | Chlorobenzene | 11 | U |
| 100-41-4 | Ethylbenzene | 11 | U |
| 1330-20-7 | Xylene (Total) | 11 | U |
| 100-42-5 | Styrene | 11 | U |
| 75-25-2 | Bromoform | 11 | U |
| 98-82-8 | Isopropylbenzene | 11 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 11 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 11 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 11 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 11 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 11 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 11 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0017

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-07

Sample wt/vol: 5.8 (g/mL) G Lab File ID: LO088

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 20 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN ALDEHYDE | 17.26 | 7 | J |
| 2. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-08

Sample wt/vol: 6.6(g/mL) G Lab File ID: LO089

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 11 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 6 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 2 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-08

Sample wt/vol: 6.6(g/mL) G Lab File ID: LO089

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 11 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 4 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-08

Sample wt/vol: 6.6 (g/mL) G Lab File ID: LO089

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 11 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN SILOXANE | 20.39 | 12 | J |
| 2. | | | | |
| 3. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0019

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-09

Sample wt/vol: 6.5(g/mL) G Lab File ID: LO090

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 20 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 15 | |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 6 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0019

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-09

Sample wt/vol: 6.5(g/mL) G Lab File ID: LO090

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 20 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0019

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-09

Sample wt/vol: 6.5 (g/mL) G Lab File ID: LO090

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 20 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0020

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-10

Sample wt/vol: 6.3(g/mL) G Lab File ID: LO091

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 20 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 13 | |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 8 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0020

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-10

Sample wt/vol: 6.3(g/mL) G Lab File ID: LO091

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 20 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0020

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-10

Sample wt/vol: 6.3 (g/mL) G Lab File ID: LO091

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 20 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0021

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-11

Sample wt/vol: 6.5(g/mL) G Lab File ID: L0092

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 14 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 6 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 4 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 6 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0021

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-11

Sample wt/vol: 6.5(g/mL) G Lab File ID: LO092

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 14 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 5 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0021

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-11

Sample wt/vol: 6.5 (g/mL) G Lab File ID: LO092

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 14 Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN SILOXANE | 20.40 | 14 | J |
| 2. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0022

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-01

Sample wt/vol: 6.1(g/mL) G Lab File ID: LO068

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 13 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 4 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 6 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 8 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0022

Lab Name: CEIMIC CORP Contract: 68-W-C3-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-01

Sample wt/vol: 6.1(g/mL) G Lab File ID: LO068

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 13 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 2 | J |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 4 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0022

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-01

Sample wt/vol: 6.1 (g/mL) G Lab File ID: LO068

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 13 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN SILOXANE | 20.39 | 12 | J |
| 2. 0-00-0 | DECAHYDRO-4,4,8,9,10-PENTAME | 22.22 | 8 | NJ |
| 3. 611-64-3 | ACRIDINE, 9-METHYL- | 23.90 | 6 | NJ |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0023

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-02

Sample wt/vol: 6.1(g/mL) G Lab File ID: LO069

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 9 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 4 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 3 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 4 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0023

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-02

Sample wt/vol: 6.1(g/mL) G Lab File ID: L0069

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 9 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 4 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0023

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-02

Sample wt/vol: 6.1 (g/mL) G Lab File ID: LO069

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 9 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN SILOXANE | 20.39 | 11 | J |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0024

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-03

Sample wt/vol: 6.3(g/mL) G Lab File ID: LO070

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 17 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 19 | |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 7 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0024

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-03

Sample wt/vol: 6.3(g/mL) G Lab File ID: LO070

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 17 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0024

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-03

Sample wt/vol: 6.3 (g/mL) G Lab File ID: LO070

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 17 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0025

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-04

Sample wt/vol: 6.3(g/mL) G Lab File ID: LO071

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 13 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 6 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 2 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 6 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0025

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-04

Sample wt/vol: 6.3(g/mL) G Lab File ID: LO071

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 13 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 4 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0025

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-04

Sample wt/vol: 6.3 (g/mL) G Lab File ID: LO071

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 13 Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN SILOXANE | 20.39 | 12 | J |
| 2. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0026

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12

Sample wt/vol: 5.6(g/mL) G Lab File ID: LO122

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 11 | U |
| 74-87-3 | Chloromethane | 11 | U |
| 75-01-4 | Vinyl Chloride | 11 | U |
| 74-83-9 | Bromomethane | 11 | U |
| 75-00-3 | Chloroethane | 11 | U |
| 75-69-4 | Trichlorofluoromethane | 11 | U |
| 75-35-4 | 1,1-Dichloroethene | 11 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 11 | U |
| 67-64-1 | Acetone | 19 | |
| 75-15-0 | Carbon Disulfide | 11 | U |
| 79-20-9 | Methyl Acetate | 11 | U |
| 75-09-2 | Methylene Chloride | 6 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 11 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 11 | U |
| 75-34-3 | 1,1-Dichloroethane | 11 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 11 | U |
| 78-93-3 | 2-Butanone | 11 | U |
| 67-66-3 | Chloroform | 11 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 11 | U |
| 110-82-7 | Cyclohexane | 11 | U |
| 56-23-5 | Carbon Tetrachloride | 11 | U |
| 71-43-2 | Benzene | 11 | U |
| 107-06-2 | 1,2-Dichloroethane | 11 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0026

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12

Sample wt/vol: 5.6(g/mL) G Lab File ID: LO122

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 11 | U |
| 108-87-2 | Methylcyclohexane | 11 | U |
| 78-87-5 | 1,2-Dichloropropane | 11 | U |
| 75-27-4 | Bromodichloromethane | 11 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 11 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 11 | U |
| 108-88-3 | Toluene | 11 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 11 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 11 | U |
| 127-18-4 | Tetrachloroethene | 11 | U |
| 591-78-6 | 2-Hexanone | 11 | U |
| 124-48-1 | Dibromochloromethane | 11 | U |
| 106-93-4 | 1,2-Dibromoethane | 11 | U |
| 108-90-7 | Chlorobenzene | 11 | U |
| 100-41-4 | Ethylbenzene | 11 | U |
| 1330-20-7 | Xylene (Total) | 11 | U |
| 100-42-5 | Styrene | 11 | U |
| 75-25-2 | Bromoform | 11 | U |
| 98-82-8 | Isopropylbenzene | 11 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 11 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 11 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 11 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 11 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 11 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 11 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0026

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12

Sample wt/vol: 5.6 (g/mL) G Lab File ID: LO122

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0026MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MS

Sample wt/vol: 6.1(g/mL) G Lab File ID: LO123

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | J |
| 75-35-4 | 1,1-Dichloroethene | 34 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 2 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 2 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 40 | |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MS

Sample wt/vol: 6.1(g/mL) G Lab File ID: LO123

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 40 | |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 42 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 41 | |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

1A

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0026MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MSD

Sample wt/vol: 5.4(g/mL) G Lab File ID: LO124

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 11 | U |
| 74-87-3 | Chloromethane | 11 | U |
| 75-01-4 | Vinyl Chloride | 11 | U |
| 74-83-9 | Bromomethane | 11 | U |
| 75-00-3 | Chloroethane | 11 | U |
| 75-69-4 | Trichlorofluoromethane | 11 | U |
| 75-35-4 | 1,1-Dichloroethene | 32 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 11 | U |
| 67-64-1 | Acetone | 11 | U |
| 75-15-0 | Carbon Disulfide | 11 | U |
| 79-20-9 | Methyl Acetate | 11 | U |
| 75-09-2 | Methylene Chloride | 2 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 11 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 11 | U |
| 75-34-3 | 1,1-Dichloroethane | 11 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 11 | U |
| 78-93-3 | 2-Butanone | 11 | U |
| 67-66-3 | Chloroform | 11 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 11 | U |
| 110-82-7 | Cyclohexane | 11 | U |
| 56-23-5 | Carbon Tetrachloride | 11 | U |
| 71-43-2 | Benzene | 40 | |
| 107-06-2 | 1,2-Dichloroethane | 11 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0026MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MSD

Sample wt/vol: 5.4(g/mL) G Lab File ID: LO124

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 16 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 39 | |
| 108-87-2 | Methylcyclohexane | 11 | U |
| 78-87-5 | 1,2-Dichloropropane | 11 | U |
| 75-27-4 | Bromodichloromethane | 11 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 11 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 11 | U |
| 108-88-3 | Toluene | 39 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 11 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 11 | U |
| 127-18-4 | Tetrachloroethene | 11 | U |
| 591-78-6 | 2-Hexanone | 11 | U |
| 124-48-1 | Dibromochloromethane | 11 | U |
| 106-93-4 | 1,2-Dibromoethane | 11 | U |
| 108-90-7 | Chlorobenzene | 38 | |
| 100-41-4 | Ethylbenzene | 11 | U |
| 1330-20-7 | Xylene (Total) | 11 | U |
| 100-42-5 | Styrene | 11 | U |
| 75-25-2 | Bromoform | 11 | U |
| 98-82-8 | Isopropylbenzene | 11 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 11 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 11 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 11 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 11 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 11 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 11 | U |

1A

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0027

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-13

Sample wt/vol: 6.6(g/mL) G Lab File ID: LO125

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 13 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 7 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 4 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 7 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0027

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-13

Sample wt/vol: 6.6(g/mL) G Lab File ID: LO125

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 13 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 3 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0027

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-13

Sample wt/vol: 6.6 (g/mL) G Lab File ID: LO125

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: not dec. 13 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 556-67-2 | CYCLOTETRASILOXANE, OCTAMETH | 20.40 | 6 | NJ |
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1A EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLO

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V120415-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO055

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 2 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLO

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V120415-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO055

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | J |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3 | J |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKLO

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V120415-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LO055

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/15/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKOP

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V120416-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO077

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 4 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKOP

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V120416-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO077

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | J |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | J |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3 | J |

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKOP

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V120416-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LO077

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/16/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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1A EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V120418-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO121

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 4 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V120418-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: L0121

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | J |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | J |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | J |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3 | J |

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKLS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V120418-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LO121

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
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1A

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKQF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V170421-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7115

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKQF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V170421-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7115

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKQF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: V170421-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7115

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
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1A

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7119

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7119

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7119

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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| 1. | | | | |
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2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Level:(low/med) LOW

| | EPA SAMPLE NO. | S1 (NBZ)# | S2 (FBP)# | S3 (TPH)# | S4 (PHL)# | S5 (2FP)# | S6 (TBP)# | S7 (2CP)# | S8 (DCB)# | TOT OUT |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | SBLKKT | 44 | 47 | 58 | 48 | 40 | 56 | 48 | 41 | 0 |
| 02 | E0022 | 53 | 58 | 58 | 54 | 50 | 64 | 54 | 49 | 0 |
| 03 | E0023 | 58 | 63 | 58 | 54 | 50 | 64 | 54 | 47 | 0 |
| 04 | E0024 | 48 | 52 | 52 | 47 | 44 | 59 | 47 | 43 | 0 |
| 05 | E0025 | 47 | 51 | 53 | 46 | 43 | 54 | 46 | 42 | 0 |
| 06 | E0015 | 62 | 67 | 76 | 65 | 58 | 74 | 65 | 57 | 0 |
| 07 | E0016 | 53 | 58 | 68 | 54 | 50 | 64 | 54 | 49 | 0 |
| 08 | E0017 | 46 | 49 | 60 | 47 | 40 | 53 | 47 | 41 | 0 |
| 09 | E0018 | 61 | 61 | 89 | 57 | 50 | 68 | 57 | 52 | 0 |
| 10 | E0019 | 60 | 65 | 75 | 58 | 52 | 65 | 55 | 55 | 0 |
| 11 | E0020 | 60 | 65 | 90 | 58 | 52 | 71 | 58 | 55 | 0 |
| 12 | E0021 | 63 | 74 | 89 | 62 | 55 | 76 | 62 | 58 | 0 |
| 13 | E0026 | 68 | 74 | 95 | 66 | 59 | 76 | 66 | 63 | 0 |
| 14 | E0026MS | 58 | 63 | 84 | 59 | 52 | 69 | 59 | 49 | 0 |
| 15 | E0026MSD | 63 | 68 | 89 | 62 | 55 | 72 | 66 | 53 | 0 |
| 16 | E0027 | 63 | 68 | 84 | 62 | 55 | 69 | 62 | 53 | 0 |
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| | | | QC LIMITS | |
|---|---|---|---|---|
| S1 | (NBZ) | = Nitrobenzene-d5 | (23-120) | |
| S2 | (FBP) | = 2-Fluorobiphenyl | (30-115) | |
| S3 | (TPH) | = Terphenyl-d14 | (18-137) | |
| S4 | (PHL) | = Phenol-d5 | (24-113) | |
| S5 | (2FP) | = 2-Fluorophenol | (25-121) | |
| S6 | (TBP) | = 2,4,6-Tribromophenol | (19-122) | |
| S7 | (2CP) | = 2-Chlorophenol-d4 | (20-130) | (advisory) |
| S8 | (DCB) | = 1,2-Dichlorobenzene-d4 | (20-130) | (advisory) |

# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

# SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix Spike - EPA Sample No.: E0026 Level:(low/med) LOW

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| Phenol | 2900 | 0.0 | 1700 | 59 | 26- 90 |
| 2-Chlorophenol | 2900 | 0.0 | 1600 | 55 | 25-102 |
| N-Nitroso-di-n-prop.(1) | 1900 | 0.0 | 1200 | 63 | 41-126 |
| 4-Chloro-3-Methylphenol | 2900 | 0.0 | 1900 | 66 | 26-103 |
| Acenaphthene | 1900 | 0.0 | 1200 | 63 | 31-137 |
| 4-Nitrophenol | 2900 | 0.0 | 2000 | 69 | 11-114 |
| 2,4-Dinitrotoluene | 1900 | 0.0 | 1300 | 68 | 28- 89 |
| Pentachlorophenol | 2900 | 0.0 | 2200 | 76 | 17-109 |
| Pyrene | 1900 | 0.0 | 1400 | 74 | 35-142 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Phenol | 2900 | 1800 | 62 | 5 | 35 | 26- 90 |
| 2-Chlorophenol | 2900 | 1700 | 59 | 7 | 50 | 25-102 |
| N-Nitroso-di-n-prop.(1) | 1900 | 1200 | 63 | 0 | 38 | 41-126 |
| 4-Chloro-3-Methylphenol | 2900 | 2000 | 69 | 4 | 33 | 26-103 |
| Acenaphthene | 1900 | 1300 | 68 | 8 | 19 | 31-137 |
| 4-Nitrophenol | 2900 | 2000 | 69 | 0 | 50 | 11-114 |
| 2,4-Dinitrotoluene | 1900 | 1300 | 68 | 0 | 47 | 28- 89 |
| Pentachlorophenol | 2900 | 2100 | 72 | 5 | 47 | 17-109 |
| Pyrene | 1900 | 1400 | 74 | 0 | 36 | 35-142 |

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

# SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKT

Lab Name: CEIMIC CORP | Contract: 68-W-03-018

Lab Code: CEIMIC | Case No.: 31584 | SAS No.: | SDG No.: E0015

Lab File ID: K3935 | Lab Sample ID: S0414-B2K

Instrument ID: MS11 | Date Extracted: 04/14/03

Matrix: (soil/water) SOIL | Date Analyzed: 04/16/03

Level:(low/med) LOW | Time Analyzed: 1042

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|---|
| 01 | E0022 | 030372-01 | K3943 | 04/16/03 |
| 02 | E0023 | 030372-02 | K3944 | 04/16/03 |
| 03 | E0024 | 030372-03 | K3945 | 04/16/03 |
| 04 | E0025 | 030372-04 | K3946 | 04/16/03 |
| 05 | E0015 | 030372-05 | K3947 | 04/16/03 |
| 06 | E0016 | 030372-06 | K3948 | 04/16/03 |
| 07 | E0017 | 030372-07 | K3949 | 04/16/03 |
| 08 | E0018 | 030372-08 | K3950 | 04/16/03 |
| 09 | E0019 | 030372-09 | K3951 | 04/16/03 |
| 10 | E0020 | 030372-10 | K3952 | 04/16/03 |
| 11 | E0021 | 030372-11 | K3953 | 04/16/03 |
| 12 | E0026 | 030372-12 | K3954 | 04/16/03 |
| 13 | E0026MS | 030372-12MS | K3959 | 04/17/03 |
| 14 | E0026MSD | 030372-12MSD | K3962 | 04/17/03 |
| 15 | E0027 | 030372-13 | K3964 | 04/17/03 |
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COMMENTS:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0015

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-05

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3947

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 20 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 410 | U |
| 108-95-2 | Phenol | 410 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 410 | U |
| 95-57-8 | 2-Chlorophenol | 410 | U |
| 95-48-7 | 2-Methylphenol | 410 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 410 | U |
| 98-86-2 | Acetophenone | 410 | U |
| 106-44-5 | 4-Methylphenol | 410 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 410 | U |
| 67-72-1 | Hexachloroethane | 410 | U |
| 98-95-3 | Nitrobenzene | 410 | U |
| 78-59-1 | Isophorone | 410 | U |
| 88-75-5 | 2-Nitrophenol | 410 | U |
| 105-67-9 | 2,4-Dimethylphenol | 410 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 410 | U |
| 120-83-2 | 2,4-Dichlorophenol | 410 | U |
| 91-20-3 | Naphthalene | 410 | U |
| 106-47-8 | 4-Chloroaniline | 410 | U |
| 87-68-3 | Hexachlorobutadiene | 410 | U |
| 105-60-2 | Caprolactam | 410 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 410 | U |
| 91-57-6 | 2-Methylnaphthalene | 410 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 410 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 410 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1000 | U |
| 92-52-4 | 1,1'-Biphenyl | 410 | U |
| 91-58-7 | 2-Chloronaphthalene | 410 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 410 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 410 | U |
| 208-96-8 | Acenaphthylene | 410 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |
| 83-32-9 | Acenaphthene | 410 | U |

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0015

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-05

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3947

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 20 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 410 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 410 | U |
| 84-66-2 | Diethylphthalate | 410 | U |
| 86-73-7 | Fluorene | 410 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 410 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 410 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 410 | U |
| 118-74-1 | Hexachlorobenzene | 410 | U |
| 1912-24-9 | Atrazine | 410 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 410 | U |
| 120-12-7 | Anthracene | 410 | U |
| 86-74-8 | Carbazole | 410 | U |
| 84-74-2 | Di-n-butylphthalate | 410 | U |
| 206-44-0 | Fluoranthene | 410 | U |
| 129-00-0 | Pyrene | 410 | U |
| 85-68-7 | Butylbenzylphthalate | 410 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 410 | U |
| 56-55-3 | Benzo(a)anthracene | 410 | U |
| 218-01-9 | Chrysene | 410 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 81 | JB |
| 117-84-0 | Di-n-octylphthalate | 410 | U |
| 205-99-2 | Benzo(b)fluoranthene | 410 | U |
| 207-08-9 | Benzo(k)fluoranthene | 410 | U |
| 50-32-8 | Benzo(a)pyrene | 410 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 410 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 410 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 410 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0015

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-05

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K3947

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 20 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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EPA SAMPLE No.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0016

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-06

Sample wt/vol: 30.1(g/mL) G Lab File ID: K3948

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 370 | U |
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 370 | U |
| 95-57-8 | 2-Chlorophenol | 370 | U |
| 95-48-7 | 2-Methylphenol | 370 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 370 | U |
| 98-86-2 | Acetophenone | 370 | U |
| 106-44-5 | 4-Methylphenol | 370 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 370 | U |
| 67-72-1 | Hexachloroethane | 370 | U |
| 98-95-3 | Nitrobenzene | 370 | U |
| 78-59-1 | Isophorone | 370 | U |
| 88-75-5 | 2-Nitrophenol | 370 | U |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 370 | U |
| 120-83-2 | 2,4-Dichlorophenol | 370 | U |
| 91-20-3 | Naphthalene | 370 | U |
| 106-47-8 | 4-Chloroaniline | 370 | U |
| 87-68-3 | Hexachlorobutadiene | 370 | U |
| 105-60-2 | Caprolactam | 370 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 370 | U |
| 91-57-6 | 2-Methylnaphthalene | 370 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 370 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 370 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 920 | U |
| 92-52-4 | 1,1'-Biphenyl | 370 | U |
| 91-58-7 | 2-Chloronaphthalene | 370 | U |
| 88-74-4 | 2-Nitroaniline | 920 | U |
| 131-11-3 | Dimethylphthalate | 370 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 370 | U |
| 208-96-8 | Acenaphthylene | 370 | U |
| 99-09-2 | 3-Nitroaniline | 920 | U |
| 83-32-9 | Acenaphthene | 370 | U |

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0016

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-06

Sample wt/vol: 30.1(g/mL) G Lab File ID: K3948

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 920 | U |
| 100-02-7 | 4-Nitrophenol | 920 | U |
| 132-64-9 | Dibenzofuran | 370 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 370 | U |
| 84-66-2 | Diethylphthalate | 370 | U |
| 86-73-7 | Fluorene | 370 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 370 | U |
| 100-01-6 | 4-Nitroaniline | 920 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 920 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 370 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 370 | U |
| 118-74-1 | Hexachlorobenzene | 370 | U |
| 1912-24-9 | Atrazine | 370 | U |
| 87-86-5 | Pentachlorophenol | 920 | U |
| 85-01-8 | Phenanthrene | 370 | U |
| 120-12-7 | Anthracene | 370 | U |
| 86-74-8 | Carbazole | 370 | U |
| 84-74-2 | Di-n-butylphthalate | 370 | U |
| 206-44-0 | Fluoranthene | 370 | U |
| 129-00-0 | Pyrene | 370 | U |
| 85-68-7 | Butylbenzylphthalate | 370 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U |
| 56-55-3 | Benzo(a)anthracene | 370 | U |
| 218-01-9 | Chrysene | 370 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 370 | U |
| 117-84-0 | Di-n-octylphthalate | 370 | U |
| 205-99-2 | Benzo(b)fluoranthene | 370 | U |
| 207-08-9 | Benzo(k)fluoranthene | 370 | U |
| 50-32-8 | Benzo(a)pyrene | 370 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 370 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 370 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 370 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0016

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-06

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K3948

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 11 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 7683-64-9 | SQUALENE | 12.59 | 110 | NJ |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0017

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-07

Sample wt/vol: 30.0(g/mL) G Lab File ID: K3949

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 400 | U |
| 108-95-2 | Phenol | 400 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 400 | U |
| 95-57-8 | 2-Chlorophenol | 400 | U |
| 95-48-7 | 2-Methylphenol | 400 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 400 | U |
| 98-86-2 | Acetophenone | 400 | U |
| 106-44-5 | 4-Methylphenol | 400 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 400 | U |
| 67-72-1 | Hexachloroethane | 400 | U |
| 98-95-3 | Nitrobenzene | 400 | U |
| 78-59-1 | Isophorone | 400 | U |
| 88-75-5 | 2-Nitrophenol | 400 | U |
| 105-67-9 | 2,4-Dimethylphenol | 400 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 400 | U |
| 120-83-2 | 2,4-Dichlorophenol | 400 | U |
| 91-20-3 | Naphthalene | 400 | U |
| 106-47-8 | 4-Chloroaniline | 400 | U |
| 87-68-3 | Hexachlorobutadiene | 400 | U |
| 105-60-2 | Caprolactam | 400 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 400 | U |
| 91-57-6 | 2-Methylnaphthalene | 400 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 400 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 400 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 990 | U |
| 92-52-4 | 1,1'-Biphenyl | 400 | U |
| 91-58-7 | 2-Chloronaphthalene | 400 | U |
| 88-74-4 | 2-Nitroaniline | 990 | U |
| 131-11-3 | Dimethylphthalate | 400 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 400 | U |
| 208-96-8 | Acenaphthylene | 400 | U |
| 99-09-2 | 3-Nitroaniline | 990 | U |
| 83-32-9 | Acenaphthene | 400 | U |

1D EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0017

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-07

Sample wt/vol: 30.0(g/mL) G Lab File ID: K3949

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 990 | U |
| 100-02-7 | 4-Nitrophenol | 990 | U |
| 132-64-9 | Dibenzofuran | 400 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 400 | U |
| 84-66-2 | Diethylphthalate | 400 | U |
| 86-73-7 | Fluorene | 400 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 400 | U |
| 100-01-6 | 4-Nitroaniline | 990 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 990 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 400 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 400 | U |
| 118-74-1 | Hexachlorobenzene | 400 | U |
| 1912-24-9 | Atrazine | 400 | U |
| 87-86-5 | Pentachlorophenol | 990 | U |
| 85-01-8 | Phenanthrene | 400 | U |
| 120-12-7 | Anthracene | 400 | U |
| 86-74-8 | Carbazole | 400 | U |
| 84-74-2 | Di-n-butylphthalate | 400 | U |
| 206-44-0 | Fluoranthene | 400 | U |
| 129-00-0 | Pyrene | 400 | U |
| 85-68-7 | Butylbenzylphthalate | 400 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 56-55-3 | Benzo(a)anthracene | 400 | U |
| 218-01-9 | Chrysene | 400 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 68 | JB |
| 117-84-0 | Di-n-octylphthalate | 400 | U |
| 205-99-2 | Benzo(b)fluoranthene | 400 | U |
| 207-08-9 | Benzo(k)fluoranthene | 400 | U |
| 50-32-8 | Benzo(a)pyrene | 400 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 400 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 400 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 400 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0017

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K3949

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 17 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 14347-78-5 | (R)-(-)-2,2-DIMETHYL-1,3-DIO | 4.65 | 80 | NJ |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-08

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3950

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 360 | U |
| 108-95-2 | Phenol | 360 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 360 | U |
| 95-57-8 | 2-Chlorophenol | 360 | U |
| 95-48-7 | 2-Methylphenol | 360 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 98-86-2 | Acetophenone | 360 | U |
| 106-44-5 | 4-Methylphenol | 360 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 360 | U |
| 67-72-1 | Hexachloroethane | 360 | U |
| 98-95-3 | Nitrobenzene | 360 | U |
| 78-59-1 | Isophorone | 360 | U |
| 88-75-5 | 2-Nitrophenol | 360 | U |
| 105-67-9 | 2,4-Dimethylphenol | 360 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 360 | U |
| 120-83-2 | 2,4-Dichlorophenol | 360 | U |
| 91-20-3 | Naphthalene | 360 | U |
| 106-47-8 | 4-Chloroaniline | 360 | U |
| 87-68-3 | Hexachlorobutadiene | 360 | U |
| 105-60-2 | Caprolactam | 360 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 360 | U |
| 91-57-6 | 2-Methylnaphthalene | 360 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 910 | U |
| 92-52-4 | 1,1'-Biphenyl | 360 | U |
| 91-58-7 | 2-Chloronaphthalene | 360 | U |
| 88-74-4 | 2-Nitroaniline | 910 | U |
| 131-11-3 | Dimethylphthalate | 360 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 360 | U |
| 208-96-8 | Acenaphthylene | 360 | U |
| 99-09-2 | 3-Nitroaniline | 910 | U |
| 83-32-9 | Acenaphthene | 360 | U |

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-08

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3950

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 910 | U |
| 100-02-7 | 4-Nitrophenol | 910 | U |
| 132-64-9 | Dibenzofuran | 360 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 360 | U |
| 84-66-2 | Diethylphthalate | 360 | U |
| 86-73-7 | Fluorene | 360 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 360 | U |
| 100-01-6 | 4-Nitroaniline | 910 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 910 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 360 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1 | Hexachlorobenzene | 360 | U |
| 1912-24-9 | Atrazine | 360 | U |
| 87-86-5 | Pentachlorophenol | 910 | U |
| 85-01-8 | Phenanthrene | 360 | U |
| 120-12-7 | Anthracene | 360 | U |
| 86-74-8 | Carbazole | 360 | U |
| 84-74-2 | Di-n-butylphthalate | 360 | U |
| 206-44-0 | Fluoranthene | 360 | U |
| 129-00-0 | Pyrene | 360 | U |
| 85-68-7 | Butylbenzylphthalate | 360 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 56-55-3 | Benzo(a)anthracene | 360 | U |
| 218-01-9 | Chrysene | 360 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 85 | JB |
| 117-84-0 | Di-n-octylphthalate | 360 | U |
| 205-99-2 | Benzo(b)fluoranthene | 360 | U |
| 207-08-9 | Benzo(k)fluoranthene | 360 | U |
| 50-32-8 | Benzo(a)pyrene | 360 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 360 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 360 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 360 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-08

Sample wt/vol: 30.5 (g/mL) G Lab File ID: K3950

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 11 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.51 | 75 | J |
| 2. | | | | |
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EPA SAMPLE No.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0019

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-09

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3951

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 19 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 400 | U |
| 108-95-2 | Phenol | 400 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 400 | U |
| 95-57-8 | 2-Chlorophenol | 400 | U |
| 95-48-7 | 2-Methylphenol | 400 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 400 | U |
| 98-86-2 | Acetophenone | 400 | U |
| 106-44-5 | 4-Methylphenol | 400 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 400 | U |
| 67-72-1 | Hexachloroethane | 400 | U |
| 98-95-3 | Nitrobenzene | 400 | U |
| 78-59-1 | Isophorone | 400 | U |
| 88-75-5 | 2-Nitrophenol | 400 | U |
| 105-67-9 | 2,4-Dimethylphenol | 400 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 400 | U |
| 120-83-2 | 2,4-Dichlorophenol | 400 | U |
| 91-20-3 | Naphthalene | 400 | U |
| 106-47-8 | 4-Chloroaniline | 400 | U |
| 87-68-3 | Hexachlorobutadiene | 400 | U |
| 105-60-2 | Caprolactam | 400 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 400 | U |
| 91-57-6 | 2-Methylnaphthalene | 400 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 400 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 400 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1000 | U |
| 92-52-4 | 1,1'-Biphenyl | 400 | U |
| 91-58-7 | 2-Chloronaphthalene | 400 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 400 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 400 | U |
| 208-96-8 | Acenaphthylene | 400 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |
| 83-32-9 | Acenaphthene | 400 | U |

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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0019

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-09

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3951

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 19 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 400 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 400 | U |
| 84-66-2 | Diethylphthalate | 400 | U |
| 86-73-7 | Fluorene | 400 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 400 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 400 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 400 | U |
| 118-74-1 | Hexachlorobenzene | 400 | U |
| 1912-24-9 | Atrazine | 400 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 400 | U |
| 120-12-7 | Anthracene | 400 | U |
| 86-74-8 | Carbazole | 400 | U |
| 84-74-2 | Di-n-butylphthalate | 400 | U |
| 206-44-0 | Fluoranthene | 400 | U |
| 129-00-0 | Pyrene | 400 | U |
| 85-68-7 | Butylbenzylphthalate | 400 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 56-55-3 | Benzo(a)anthracene | 400 | U |
| 218-01-9 | Chrysene | 400 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 180 | JB |
| 117-84-0 | Di-n-octylphthalate | 400 | U |
| 205-99-2 | Benzo(b)fluoranthene | 400 | U |
| 207-08-9 | Benzo(k)fluoranthene | 400 | U |
| 50-32-8 | Benzo(a)pyrene | 400 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 400 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 400 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 400 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0019

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-09

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K3951

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 19 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0020

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-10

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3952

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 19 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 400 | U |
| 108-95-2 | Phenol | 400 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 400 | U |
| 95-57-8 | 2-Chlorophenol | 400 | U |
| 95-48-7 | 2-Methylphenol | 400 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 400 | U |
| 98-86-2 | Acetophenone | 400 | U |
| 106-44-5 | 4-Methylphenol | 400 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 400 | U |
| 67-72-1 | Hexachloroethane | 400 | U |
| 98-95-3 | Nitrobenzene | 400 | U |
| 78-59-1 | Isophorone | 400 | U |
| 88-75-5 | 2-Nitrophenol | 400 | U |
| 105-67-9 | 2,4-Dimethylphenol | 400 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 400 | U |
| 120-83-2 | 2,4-Dichlorophenol | 400 | U |
| 91-20-3 | Naphthalene | 400 | U |
| 106-47-8 | 4-Chloroaniline | 400 | U |
| 87-68-3 | Hexachlorobutadiene | 400 | U |
| 105-60-2 | Caprolactam | 400 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 400 | U |
| 91-57-6 | 2-Methylnaphthalene | 400 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 400 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 400 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1000 | U |
| 92-52-4 | 1,1'-Biphenyl | 400 | U |
| 91-58-7 | 2-Chloronaphthalene | 400 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 400 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 400 | U |
| 208-96-8 | Acenaphthylene | 400 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |
| 83-32-9 | Acenaphthene | 400 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0020

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-10

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3952

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 19 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 400 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 400 | U |
| 84-66-2 | Diethylphthalate | 400 | U |
| 86-73-7 | Fluorene | 400 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 400 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 400 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 400 | U |
| 118-74-1 | Hexachlorobenzene | 400 | U |
| 1912-24-9 | Atrazine | 400 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 400 | U |
| 120-12-7 | Anthracene | 400 | U |
| 86-74-8 | Carbazole | 400 | U |
| 84-74-2 | Di-n-butylphthalate | 400 | U |
| 206-44-0 | Fluoranthene | 400 | U |
| 129-00-0 | Pyrene | 400 | U |
| 85-68-7 | Butylbenzylphthalate | 400 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 56-55-3 | Benzo(a)anthracene | 400 | U |
| 218-01-9 | Chrysene | 400 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 140 | JB |
| 117-84-0 | Di-n-octylphthalate | 400 | U |
| 205-99-2 | Benzo(b)fluoranthene | 400 | U |
| 207-08-9 | Benzo(k)fluoranthene | 400 | U |
| 50-32-8 | Benzo(a)pyrene | 400 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 400 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 400 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 400 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

E0020

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-10

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K3952

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 19 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.52 | 91 | J |
| 2. | UNKNOWN | 16.11 | 99 | J |
| 3. | | | | |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0021

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-11

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3953

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 15 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 380 | U |
| 108-95-2 | Phenol | 380 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 380 | U |
| 95-57-8 | 2-Chlorophenol | 380 | U |
| 95-48-7 | 2-Methylphenol | 380 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2 | Acetophenone | 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 |
| 120-83-2 | 2,4-Dichlorophenol | 380 | U |
| 91-20-3 | Naphthalene | 380 | U |
| 106-47-8 | 4-Chloroaniline | 380 | U |
| 87-68-3 | Hexachlorobutadiene | 380 | U |
| 105-60-2 | Caprolactam | 380 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 380 | 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 | 950 | U |
| 92-52-4 | 1,1'-Biphenyl | 380 | U |
| 91-58-7 | 2-Chloronaphthalene | 380 | U |
| 88-74-4 | 2-Nitroaniline | 950 | U |
| 131-11-3 | Dimethylphthalate | 380 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8 | Acenaphthylene | 380 | U |
| 99-09-2 | 3-Nitroaniline | 950 | U |
| 83-32-9 | Acenaphthene | 380 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0021

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-11

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3953

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 15 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 950 | U |
| 100-02-7 | 4-Nitrophenol | 950 | U |
| 132-64-9 | Dibenzofuran | 380 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 380 | U |
| 84-66-2 | Diethylphthalate | 380 | U |
| 86-73-7 | Fluorene | 380 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 380 | U |
| 100-01-6 | 4-Nitroaniline | 950 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 950 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 380 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1 | Hexachlorobenzene | 380 | U |
| 1912-24-9 | Atrazine | 380 | U |
| 87-86-5 | Pentachlorophenol | 950 | 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 | 380 | U |
| 206-44-0 | Fluoranthene | 380 | U |
| 129-00-0 | Pyrene | 380 | U |
| 85-68-7 | Butylbenzylphthalate | 380 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 56-55-3 | Benzo(a)anthracene | 380 | U |
| 218-01-9 | Chrysene | 380 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1700 | B |
| 117-84-0 | Di-n-octylphthalate | 380 | U |
| 205-99-2 | Benzo(b)fluoranthene | 380 | U |
| 207-08-9 | Benzo(k)fluoranthene | 380 | U |
| 50-32-8 | Benzo(a)pyrene | 380 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 380 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 380 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 380 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0021

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-11

Sample wt/vol: 30.5 (g/mL) G Lab File ID: K3953

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 15 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9 Extraction: (Type) SONC

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.52 | 88 | J |
| 2. | | | | |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-01

Sample wt/vol: 30.3(g/mL) G Lab File ID: K3943

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 370 | U |
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 370 | U |
| 95-57-8 | 2-Chlorophenol | 370 | U |
| 95-48-7 | 2-Methylphenol | 370 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 370 | U |
| 98-86-2 | Acetophenone | 370 | U |
| 106-44-5 | 4-Methylphenol | 370 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 370 | U |
| 67-72-1 | Hexachloroethane | 370 | U |
| 98-95-3 | Nitrobenzene | 370 | U |
| 78-59-1 | Isophorone | 370 | U |
| 88-75-5 | 2-Nitrophenol | 370 | U |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 370 | U |
| 120-83-2 | 2,4-Dichlorophenol | 370 | U |
| 91-20-3 | Naphthalene | 370 | U |
| 106-47-8 | 4-Chloroaniline | 370 | U |
| 87-68-3 | Hexachlorobutadiene | 370 | U |
| 105-60-2 | Caprolactam | 370 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 370 | U |
| 91-57-6 | 2-Methylnaphthalene | 370 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 370 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 370 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 920 | U |
| 92-52-4 | 1,1'-Biphenyl | 370 | U |
| 91-58-7 | 2-Chloronaphthalene | 370 | U |
| 88-74-4 | 2-Nitroaniline | 920 | U |
| 131-11-3 | Dimethylphthalate | 370 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 370 | U |
| 208-96-8 | Acenaphthylene | 370 | U |
| 99-09-2 | 3-Nitroaniline | 920 | U |
| 83-32-9 | Acenaphthene | 370 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-01

Sample wt/vol: 30.3(g/mL) G Lab File ID: K3943

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 920 | U |
| 100-02-7 | 4-Nitrophenol | 920 | U |
| 132-64-9 | Dibenzofuran | 370 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 370 | U |
| 84-66-2 | Diethylphthalate | 370 | U |
| 86-73-7 | Fluorene | 370 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 370 | U |
| 100-01-6 | 4-Nitroaniline | 920 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 920 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 370 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 370 | U |
| 118-74-1 | Hexachlorobenzene | 370 | U |
| 1912-24-9 | Atrazine | 370 | U |
| 87-86-5 | Pentachlorophenol | 920 | U |
| 85-01-8 | Phenanthrene | 370 | U |
| 120-12-7 | Anthracene | 370 | U |
| 86-74-8 | Carbazole | 370 | U |
| 84-74-2 | Di-n-butylphthalate | 370 | U |
| 206-44-0 | Fluoranthene | 370 | U |
| 129-00-0 | Pyrene | 370 | U |
| 85-68-7 | Butylbenzylphthalate | 370 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U |
| 56-55-3 | Benzo(a)anthracene | 370 | U |
| 218-01-9 | Chrysene | 370 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | JB |
| 117-84-0 | Di-n-octylphthalate | 370 | U |
| 205-99-2 | Benzo(b)fluoranthene | 370 | U |
| 207-08-9 | Benzo(k)fluoranthene | 370 | U |
| 50-32-8 | Benzo(a)pyrene | 370 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 370 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 370 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 370 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0022

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-01

Sample wt/vol: 30.3 (g/mL) G Lab File ID: K3943

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 11 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 Extraction: (Type) SONC

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0023

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-02

Sample wt/vol: 30.3(g/mL) G Lab File ID: K3944

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 13 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 380 | U |
| 108-95-2 | Phenol | 380 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 380 | U |
| 95-57-8 | 2-Chlorophenol | 380 | U |
| 95-48-7 | 2-Methylphenol | 380 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2 | Acetophenone | 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 |
| 120-83-2 | 2,4-Dichlorophenol | 380 | U |
| 91-20-3 | Naphthalene | 380 | U |
| 106-47-8 | 4-Chloroaniline | 380 | U |
| 87-68-3 | Hexachlorobutadiene | 380 | U |
| 105-60-2 | Caprolactam | 380 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 380 | 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 | 940 | U |
| 92-52-4 | 1,1'-Biphenyl | 380 | U |
| 91-58-7 | 2-Chloronaphthalene | 380 | U |
| 88-74-4 | 2-Nitroaniline | 940 | U |
| 131-11-3 | Dimethylphthalate | 380 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8 | Acenaphthylene | 380 | U |
| 99-09-2 | 3-Nitroaniline | 940 | U |
| 83-32-9 | Acenaphthene | 380 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0023

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-02

Sample wt/vol: 30.3(g/mL) G Lab File ID: K3944

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 13 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 940 | U |
| 100-02-7 | 4-Nitrophenol | 940 | U |
| 132-64-9 | Dibenzofuran | 380 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 380 | U |
| 84-66-2 | Diethylphthalate | 380 | U |
| 86-73-7 | Fluorene | 380 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 380 | U |
| 100-01-6 | 4-Nitroaniline | 940 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 940 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 380 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1 | Hexachlorobenzene | 380 | U |
| 1912-24-9 | Atrazine | 380 | U |
| 87-86-5 | Pentachlorophenol | 940 | 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 | 380 | U |
| 206-44-0 | Fluoranthene | 380 | U |
| 129-00-0 | Pyrene | 380 | U |
| 85-68-7 | Butylbenzylphthalate | 380 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 56-55-3 | Benzo(a)anthracene | 380 | U |
| 218-01-9 | Chrysene | 380 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 810 | B |
| 117-84-0 | Di-n-octylphthalate | 380 | U |
| 205-99-2 | Benzo(b)fluoranthene | 380 | U |
| 207-08-9 | Benzo(k)fluoranthene | 380 | U |
| 50-32-8 | Benzo(a)pyrene | 380 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 380 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 380 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 380 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0023

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-02

Sample wt/vol: 30.3 (g/mL) G Lab File ID: K3944

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 13 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.52 | 89 | J |
| 2. | UNKNOWN | 10.60 | 160 | J |
| 3. | UNKNOWN AMIDE | 12.42 | 79 | J |
| 4. | | | | |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0024

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-03

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3945

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 22 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 420 | U |
| 108-95-2 | Phenol | 420 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 420 | U |
| 95-57-8 | 2-Chlorophenol | 420 | U |
| 95-48-7 | 2-Methylphenol | 420 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 420 | U |
| 98-86-2 | Acetophenone | 420 | U |
| 106-44-5 | 4-Methylphenol | 420 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 420 | U |
| 67-72-1 | Hexachloroethane | 420 | U |
| 98-95-3 | Nitrobenzene | 420 | U |
| 78-59-1 | Isophorone | 420 | U |
| 88-75-5 | 2-Nitrophenol | 420 | U |
| 105-67-9 | 2,4-Dimethylphenol | 420 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 420 | U |
| 120-83-2 | 2,4-Dichlorophenol | 420 | U |
| 91-20-3 | Naphthalene | 420 | U |
| 106-47-8 | 4-Chloroaniline | 420 | U |
| 87-68-3 | Hexachlorobutadiene | 420 | U |
| 105-60-2 | Caprolactam | 420 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 420 | U |
| 91-57-6 | 2-Methylnaphthalene | 420 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 420 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 420 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1100 | U |
| 92-52-4 | 1,1'-Biphenyl | 420 | U |
| 91-58-7 | 2-Chloronaphthalene | 420 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 420 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 420 | U |
| 208-96-8 | Acenaphthylene | 420 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |
| 83-32-9 | Acenaphthene | 420 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0024

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-03

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3945

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 22 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 420 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 420 | U |
| 84-66-2 | Diethylphthalate | 420 | U |
| 86-73-7 | Fluorene | 420 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 420 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 420 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 420 | U |
| 118-74-1 | Hexachlorobenzene | 420 | U |
| 1912-24-9 | Atrazine | 420 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 420 | U |
| 120-12-7 | Anthracene | 420 | U |
| 86-74-8 | Carbazole | 420 | U |
| 84-74-2 | Di-n-butylphthalate | 420 | U |
| 206-44-0 | Fluoranthene | 420 | U |
| 129-00-0 | Pyrene | 420 | U |
| 85-68-7 | Butylbenzylphthalate | 420 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 420 | U |
| 56-55-3 | Benzo(a)anthracene | 420 | U |
| 218-01-9 | Chrysene | 420 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 190 | JB |
| 117-84-0 | Di-n-octylphthalate | 420 | U |
| 205-99-2 | Benzo(b)fluoranthene | 420 | U |
| 207-08-9 | Benzo(k)fluoranthene | 420 | U |
| 50-32-8 | Benzo(a)pyrene | 420 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 420 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 420 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 420 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0024

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-03

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K3945

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 22 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Extraction: (Type) SONC

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 10.65 | 240 | J |
| 2. | | | | |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0025

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-04

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3946

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 13 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 370 | U |
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 370 | U |
| 95-57-8 | 2-Chlorophenol | 370 | U |
| 95-48-7 | 2-Methylphenol | 370 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 370 | U |
| 98-86-2 | Acetophenone | 370 | U |
| 106-44-5 | 4-Methylphenol | 370 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 370 | U |
| 67-72-1 | Hexachloroethane | 370 | U |
| 98-95-3 | Nitrobenzene | 370 | U |
| 78-59-1 | Isophorone | 370 | U |
| 88-75-5 | 2-Nitrophenol | 370 | U |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 370 | U |
| 120-83-2 | 2,4-Dichlorophenol | 370 | U |
| 91-20-3 | Naphthalene | 370 | U |
| 106-47-8 | 4-Chloroaniline | 370 | U |
| 87-68-3 | Hexachlorobutadiene | 370 | U |
| 105-60-2 | Caprolactam | 370 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 370 | U |
| 91-57-6 | 2-Methylnaphthalene | 370 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 370 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 370 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 930 | U |
| 92-52-4 | 1,1'-Biphenyl | 370 | U |
| 91-58-7 | 2-Chloronaphthalene | 370 | U |
| 88-74-4 | 2-Nitroaniline | 930 | U |
| 131-11-3 | Dimethylphthalate | 370 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 370 | U |
| 208-96-8 | Acenaphthylene | 370 | U |
| 99-09-2 | 3-Nitroaniline | 930 | U |
| 83-32-9 | Acenaphthene | 370 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0025

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-04

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3946

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 13 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 930 | U |
| 100-02-7 | 4-Nitrophenol | 930 | U |
| 132-64-9 | Dibenzofuran | 370 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 370 | U |
| 84-66-2 | Diethylphthalate | 370 | U |
| 86-73-7 | Fluorene | 370 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 370 | U |
| 100-01-6 | 4-Nitroaniline | 930 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 930 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 370 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 370 | U |
| 118-74-1 | Hexachlorobenzene | 370 | U |
| 1912-24-9 | Atrazine | 370 | U |
| 87-86-5 | Pentachlorophenol | 930 | U |
| 85-01-8 | Phenanthrene | 370 | U |
| 120-12-7 | Anthracene | 370 | U |
| 86-74-8 | Carbazole | 370 | U |
| 84-74-2 | Di-n-butylphthalate | 370 | U |
| 206-44-0 | Fluoranthene | 370 | U |
| 129-00-0 | Pyrene | 370 | U |
| 85-68-7 | Butylbenzylphthalate | 370 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U |
| 56-55-3 | Benzo(a)anthracene | 370 | U |
| 218-01-9 | Chrysene | 370 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 66 | JB |
| 117-84-0 | Di-n-octylphthalate | 370 | U |
| 205-99-2 | Benzo(b)fluoranthene | 370 | U |
| 207-08-9 | Benzo(k)fluoranthene | 370 | U |
| 50-32-8 | Benzo(a)pyrene | 370 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 370 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 370 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 370 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0025

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-04

Sample wt/vol: 30.5 (g/mL) G Lab File ID: K3946

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 13 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8 Extraction: (Type) SONC

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 10.62 | 130 | J |
| 2. | | | | |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3954

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 380 | U |
| 108-95-2 | Phenol | 380 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 380 | U |
| 95-57-8 | 2-Chlorophenol | 380 | U |
| 95-48-7 | 2-Methylphenol | 380 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2 | Acetophenone | 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 |
| 120-83-2 | 2,4-Dichlorophenol | 380 | U |
| 91-20-3 | Naphthalene | 380 | U |
| 106-47-8 | 4-Chloroaniline | 380 | U |
| 87-68-3 | Hexachlorobutadiene | 380 | U |
| 105-60-2 | Caprolactam | 380 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 380 | 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 | 940 | U |
| 92-52-4 | 1,1'-Biphenyl | 380 | U |
| 91-58-7 | 2-Chloronaphthalene | 380 | U |
| 88-74-4 | 2-Nitroaniline | 940 | U |
| 131-11-3 | Dimethylphthalate | 380 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8 | Acenaphthylene | 380 | U |
| 99-09-2 | 3-Nitroaniline | 940 | U |
| 83-32-9 | Acenaphthene | 380 | U |

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0026

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3954

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 940 | U |
| 100-02-7 | 4-Nitrophenol | 940 | U |
| 132-64-9 | Dibenzofuran | 380 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 380 | U |
| 84-66-2 | Diethylphthalate | 380 | U |
| 86-73-7 | Fluorene | 380 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 380 | U |
| 100-01-6 | 4-Nitroaniline | 940 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 940 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 380 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1 | Hexachlorobenzene | 380 | U |
| 1912-24-9 | Atrazine | 380 | U |
| 87-86-5 | Pentachlorophenol | 940 | 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 | 380 | U |
| 206-44-0 | Fluoranthene | 380 | U |
| 129-00-0 | Pyrene | 380 | U |
| 85-68-7 | Butylbenzylphthalate | 380 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 56-55-3 | Benzo(a)anthracene | 380 | U |
| 218-01-9 | Chrysene | 380 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 120 | JB |
| 117-84-0 | Di-n-octylphthalate | 380 | U |
| 205-99-2 | Benzo(b)fluoranthene | 380 | U |
| 207-08-9 | Benzo(k)fluoranthene | 380 | U |
| 50-32-8 | Benzo(a)pyrene | 380 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 380 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 380 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 380 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0026

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12

Sample wt/vol: 30.5 (g/mL) G Lab File ID: K3954

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.52 | 92 | J |
| 2. | UNKNOWN | 12.05 | 96 | J |
| 3. | UNKNOWN | 12.78 | 290 | J |
| 4. | UNKNOWN | 19.32 | 860 | J |
| 5. | | | | |
| 6. | | | | |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0026MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MS

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3959

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 380 | U |
| 108-95-2 | Phenol | 1700 | |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 380 | U |
| 95-57-8 | 2-Chlorophenol | 1600 | |
| 95-48-7 | 2-Methylphenol | 380 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2 | Acetophenone | 380 | U |
| 106-44-5 | 4-Methylphenol | 380 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1200 | |
| 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 |
| 120-83-2 | 2,4-Dichlorophenol | 380 | U |
| 91-20-3 | Naphthalene | 380 | U |
| 106-47-8 | 4-Chloroaniline | 380 | U |
| 87-68-3 | Hexachlorobutadiene | 380 | U |
| 105-60-2 | Caprolactam | 380 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 1900 | |
| 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 | 950 | U |
| 92-52-4 | 1,1'-Biphenyl | 380 | U |
| 91-58-7 | 2-Chloronaphthalene | 380 | U |
| 88-74-4 | 2-Nitroaniline | 950 | U |
| 131-11-3 | Dimethylphthalate | 380 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8 | Acenaphthylene | 380 | U |
| 99-09-2 | 3-Nitroaniline | 950 | U |
| 83-32-9 | Acenaphthene | 1200 | |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0026MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MS

Sample wt/vol: 30.2(g/mL) G Lab File ID: K3959

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 950 | U |
| 100-02-7 | 4-Nitrophenol | 2000 | |
| 132-64-9 | Dibenzofuran | 380 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1300 | |
| 84-66-2 | Diethylphthalate | 380 | U |
| 86-73-7 | Fluorene | 380 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 380 | U |
| 100-01-6 | 4-Nitroaniline | 950 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 950 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 380 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1 | Hexachlorobenzene | 380 | U |
| 1912-24-9 | Atrazine | 380 | U |
| 87-86-5 | Pentachlorophenol | 2200 | |
| 85-01-8 | Phenanthrene | 380 | U |
| 120-12-7 | Anthracene | 380 | U |
| 86-74-8 | Carbazole | 380 | U |
| 84-74-2 | Di-n-butylphthalate | 380 | U |
| 206-44-0 | Fluoranthene | 380 | U |
| 129-00-0 | Pyrene | 1400 | |
| 85-68-7 | Butylbenzylphthalate | 380 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 56-55-3 | Benzo(a)anthracene | 380 | U |
| 218-01-9 | Chrysene | 380 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 180 | JB |
| 117-84-0 | Di-n-octylphthalate | 380 | U |
| 205-99-2 | Benzo(b)fluoranthene | 380 | U |
| 207-08-9 | Benzo(k)fluoranthene | 380 | U |
| 50-32-8 | Benzo(a)pyrene | 380 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 380 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 380 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 380 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MSD

Sample wt/vol: 30.1(g/mL) G Lab File ID: K3962

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 380 | U |
| 108-95-2 | Phenol | 1800 | |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 380 | U |
| 95-57-8 | 2-Chlorophenol | 1700 | |
| 95-48-7 | 2-Methylphenol | 380 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2 | Acetophenone | 380 | U |
| 106-44-5 | 4-Methylphenol | 380 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1200 | |
| 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 |
| 120-83-2 | 2,4-Dichlorophenol | 380 | U |
| 91-20-3 | Naphthalene | 380 | U |
| 106-47-8 | 4-Chloroaniline | 380 | U |
| 87-68-3 | Hexachlorobutadiene | 380 | U |
| 105-60-2 | Caprolactam | 380 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 2000 | |
| 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 | 960 | U |
| 92-52-4 | 1,1'-Biphenyl | 380 | U |
| 91-58-7 | 2-Chloronaphthalene | 380 | U |
| 88-74-4 | 2-Nitroaniline | 960 | U |
| 131-11-3 | Dimethylphthalate | 380 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8 | Acenaphthylene | 380 | U |
| 99-09-2 | 3-Nitroaniline | 960 | U |
| 83-32-9 | Acenaphthene | 1300 | |

1D

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0026MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MSD

Sample wt/vol: 30.1(g/mL) G Lab File ID: K3962

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 960 | U |
| 100-02-7 | 4-Nitrophenol | 2000 | |
| 132-64-9 | Dibenzofuran | 380 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1300 | |
| 84-66-2 | Diethylphthalate | 380 | U |
| 86-73-7 | Fluorene | 380 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 380 | U |
| 100-01-6 | 4-Nitroaniline | 960 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 960 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 380 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1 | Hexachlorobenzene | 380 | U |
| 1912-24-9 | Atrazine | 380 | U |
| 87-86-5 | Pentachlorophenol | 2100 | |
| 85-01-8 | Phenanthrene | 380 | U |
| 120-12-7 | Anthracene | 380 | U |
| 86-74-8 | Carbazole | 380 | U |
| 84-74-2 | Di-n-butylphthalate | 380 | U |
| 206-44-0 | Fluoranthene | 380 | U |
| 129-00-0 | Pyrene | 1400 | |
| 85-68-7 | Butylbenzylphthalate | 380 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 56-55-3 | Benzo(a)anthracene | 380 | U |
| 218-01-9 | Chrysene | 380 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 560 | B |
| 117-84-0 | Di-n-octylphthalate | 380 | U |
| 205-99-2 | Benzo(b)fluoranthene | 380 | U |
| 207-08-9 | Benzo(k)fluoranthene | 380 | U |
| 50-32-8 | Benzo(a)pyrene | 380 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 380 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 380 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 380 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0027

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-13

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3964

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 380 | U |
| 108-95-2 | Phenol | 380 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 380 | U |
| 95-57-8 | 2-Chlorophenol | 380 | U |
| 95-48-7 | 2-Methylphenol | 380 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2 | Acetophenone | 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 |
| 120-83-2 | 2,4-Dichlorophenol | 380 | U |
| 91-20-3 | Naphthalene | 380 | U |
| 106-47-8 | 4-Chloroaniline | 380 | U |
| 87-68-3 | Hexachlorobutadiene | 380 | U |
| 105-60-2 | Caprolactam | 380 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 380 | 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 | 940 | U |
| 92-52-4 | 1,1'-Biphenyl | 380 | U |
| 91-58-7 | 2-Chloronaphthalene | 380 | U |
| 88-74-4 | 2-Nitroaniline | 940 | U |
| 131-11-3 | Dimethylphthalate | 380 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8 | Acenaphthylene | 380 | U |
| 99-09-2 | 3-Nitroaniline | 940 | U |
| 83-32-9 | Acenaphthene | 380 | U |

ID

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0027

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-13

Sample wt/vol: 30.5(g/mL) G Lab File ID: K3964

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 940 | U |
| 100-02-7 | 4-Nitrophenol | 940 | U |
| 132-64-9 | Dibenzofuran | 380 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 380 | U |
| 84-66-2 | Diethylphthalate | 380 | U |
| 86-73-7 | Fluorene | 380 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 380 | U |
| 100-01-6 | 4-Nitroaniline | 940 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 940 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 380 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1 | Hexachlorobenzene | 380 | U |
| 1912-24-9 | Atrazine | 380 | U |
| 87-86-5 | Pentachlorophenol | 940 | 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 | 380 | U |
| 206-44-0 | Fluoranthene | 380 | U |
| 129-00-0 | Pyrene | 380 | U |
| 85-68-7 | Butylbenzylphthalate | 380 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 56-55-3 | Benzo(a)anthracene | 380 | U |
| 218-01-9 | Chrysene | 380 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 110 | JB |
| 117-84-0 | Di-n-octylphthalate | 380 | U |
| 205-99-2 | Benzo(b)fluoranthene | 380 | U |
| 207-08-9 | Benzo(k)fluoranthene | 380 | U |
| 50-32-8 | Benzo(a)pyrene | 380 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 380 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 380 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 380 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0027

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-13

Sample wt/vol: 30.5 (g/mL) G Lab File ID: K3964

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 14 Decanted: (Y/N) N Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.52 | 93 | J |
| 2. | UNKNOWN AMIDE | 12.38 | 140 | J |
| 3. | | | | |
| 4. | | | | |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKKT

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: S0414-B2K

Sample wt/vol: 30.0(g/mL) G Lab File ID: K3935

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 330 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 330 | U |
| 95-57-8 | 2-Chlorophenol | 330 | U |
| 95-48-7 | 2-Methylphenol | 330 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 330 | U |
| 98-86-2 | Acetophenone | 330 | U |
| 106-44-5 | 4-Methylphenol | 330 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 330 | U |
| 67-72-1 | Hexachloroethane | 330 | U |
| 98-95-3 | Nitrobenzene | 330 | U |
| 78-59-1 | Isophorone | 330 | U |
| 88-75-5 | 2-Nitrophenol | 330 | U |
| 105-67-9 | 2,4-Dimethylphenol | 330 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 330 | U |
| 120-83-2 | 2,4-Dichlorophenol | 330 | U |
| 91-20-3 | Naphthalene | 330 | U |
| 106-47-8 | 4-Chloroaniline | 330 | U |
| 87-68-3 | Hexachlorobutadiene | 330 | U |
| 105-60-2 | Caprolactam | 330 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 830 | U |
| 92-52-4 | 1,1'-Biphenyl | 330 | U |
| 91-58-7 | 2-Chloronaphthalene | 330 | U |
| 88-74-4 | 2-Nitroaniline | 830 | U |
| 131-11-3 | Dimethylphthalate | 330 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 330 | U |
| 208-96-8 | Acenaphthylene | 330 | U |
| 99-09-2 | 3-Nitroaniline | 830 | U |
| 83-32-9 | Acenaphthene | 330 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKKT

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: S0414-B2K

Sample wt/vol: 30.0(g/mL) G Lab File ID: K3935

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 830 | U |
| 100-02-7 | 4-Nitrophenol | 830 | U |
| 132-64-9 | Dibenzofuran | 330 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 330 | U |
| 84-66-2 | Diethylphthalate | 330 | U |
| 86-73-7 | Fluorene | 330 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 330 | U |
| 100-01-6 | 4-Nitroaniline | 830 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 830 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 330 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1 | Hexachlorobenzene | 330 | U |
| 1912-24-9 | Atrazine | 330 | U |
| 87-86-5 | Pentachlorophenol | 830 | U |
| 85-01-8 | Phenanthrene | 330 | U |
| 120-12-7 | Anthracene | 330 | U |
| 86-74-8 | Carbazole | 330 | U |
| 84-74-2 | Di-n-butylphthalate | 330 | U |
| 206-44-0 | Fluoranthene | 330 | U |
| 129-00-0 | Pyrene | 330 | U |
| 85-68-7 | Butylbenzylphthalate | 330 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 330 | U |
| 56-55-3 | Benzo(a)anthracene | 330 | U |
| 218-01-9 | Chrysene | 330 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 450 | |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo(b)fluoranthene | 330 | U |
| 207-08-9 | Benzo(k)fluoranthene | 330 | U |
| 50-32-8 | Benzo(a)pyrene | 330 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 330 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 330 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKKT

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: S0414-B2K

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K3935

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/14/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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| 30. | | | | |

# SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

GC Column(1):DB5 ID:0.53(mm) GC Column(2):DB35 ID:0.53(mm)

| | EPA SAMPLE NO. | TCX 1 %REC # | TCX 2 %REC # | DCB 1 %REC # | DCB 2 %REC # | OTHER (1) | OTHER (2) | TOT OUT |
|---|---|---|---|---|---|---|---|---|
| 01 | PBLK01 | 53 | 58 | 85 | 92 | | | 0 |
| 02 | E0022 | 43 | 47 | 62 | 67 | | | 0 |
| 03 | E0023 | 60 | 67 | 87 | 93 | | | 0 |
| 04 | E0024 | 51 | 56 | 65 | 71 | | | 0 |
| 05 | E0025 | 62 | 67 | 87 | 93 | | | 0 |
| 06 | E0015 | 62 | 69 | 81 | 81 | | | 0 |
| 07 | E0016 | 87 | 93 | 93 | 107 | | | 0 |
| 08 | E0017 | 75 | 88 | 100 | 106 | | | 0 |
| 09 | E0018 | 73 | 80 | 93 | 107 | | | 0 |
| 10 | E0019 | 57 | 63 | 88 | 94 | | | 0 |
| 11 | E0020 | 69 | 75 | 94 | 100 | | | 0 |
| 12 | E0021 | 63 | 69 | 75 | 88 | | | 0 |
| 13 | E0026 | 57 | 63 | 73 | 80 | | | 0 |
| 14 | E0027 | 62 | 67 | 80 | 87 | | | 0 |
| 15 | E0026MS | 60 | 65 | 100 | 113 | | | 0 |
| 16 | E0026MSD | 64 | 73 | 87 | 100 | | | 0 |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
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| 27 | | | | | | | | |
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| 29 | | | | | | | | |
| 30 | | | | | | | | |

| | | QC LIMITS |
|---|---|---|
| S1 (TCX) | = Tetrachloro-m-xylene | (30-150) |
| S2 (DCB) | = Decachlorobiphenyl | (30-150) |

# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

# SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix Spike - EPA Sample No.: E0026

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 19 | 0.00 | 14 | 74 | 46-127 |
| Heptachlor | 19 | 0.00 | 14 | 74 | 35-130 |
| Aldrin | 19 | 0.00 | 14 | 74 | 34-132 |
| Dieldrin | 38 | 0.00 | 36 | 95 | 31-134 |
| Endrin | 38 | 0.00 | 42 | 111 | 42-139 |
| 4,4'-DDT | 38 | 0.00 | 37 | 97 | 23-134 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 19 | 13 | 68 | 8 | 50 | 46-127 |
| Heptachlor | 19 | 14 | 74 | 0 | 31 | 35-130 |
| Aldrin | 19 | 14 | 74 | 0 | 43 | 34-132 |
| Dieldrin | 38 | 30 | 79 | 18 | 38 | 31-134 |
| Endrin | 38 | 33 | 87 | 24 | 45 | 42-139 |
| 4,4'-DDT | 38 | 32 | 84 | 14 | 50 | 23-134 |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

# PESTICIDE METHOD BLANK SUMMARY

PBLK01

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0015

Lab Sample ID: P0414-B3  Lab File ID: _____

Matrix (soil/water) SOIL  Extraction:(Type) SONC

Sulfur Cleanup (Y/N) N  Date Extracted: 04/14/03

Date Analyzed (1): 04/16/03  Date Analyzed (2): 04/16/03

Time Analyzed (1): 2311  Time Analyzed (2): 2311

Instrument ID (1): GC6  Instrument ID (2): GC6

GC Column (1): DB5  ID: 0.53(mm)  GC Column (2): DB35  ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| 01 | E0022 | 030372-01 | 04/16/03 | 04/16/03 |
| 02 | E0023 | 030372-02 | 04/17/03 | 04/17/03 |
| 03 | E0024 | 030372-03 | 04/17/03 | 04/17/03 |
| 04 | E0025 | 030372-04 | 04/17/03 | 04/17/03 |
| 05 | E0015 | 030372-05 | 04/17/03 | 04/17/03 |
| 06 | E0016 | 030372-06 | 04/17/03 | 04/17/03 |
| 07 | E0017 | 030372-07 | 04/17/03 | 04/17/03 |
| 08 | E0018 | 030372-08 | 04/17/03 | 04/17/03 |
| 09 | E0019 | 030372-09 | 04/17/03 | 04/17/03 |
| 10 | E0020 | 030372-10 | 04/17/03 | 04/17/03 |
| 11 | E0021 | 030372-11 | 04/17/03 | 04/17/03 |
| 12 | E0026 | 030372-12 | 04/17/03 | 04/17/03 |
| 13 | E0027 | 030372-13 | 04/17/03 | 04/17/03 |
| 14 | E0026MS | 030372-12MS | 04/17/03 | 04/17/03 |
| 15 | E0026MSD | 030372-12MSD | 04/17/03 | 04/17/03 |
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COMMENTS: _____

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0015

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-05

Sample wt/vol: 30.5(g/mL) G Lab File ID: _____

% Moisture: 20 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.1 | U |
| 319-85-7 | beta-BHC | 2.1 | U |
| 319-86-8 | delta-BHC | 2.1 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.1 | U |
| 76-44-8 | Heptachlor | 2.1 | U |
| 309-00-2 | Aldrin | 2.1 | U |
| 1024-57-3 | Heptachlor epoxide | 2.1 | U |
| 959-98-8 | Endosulfan I | 2.1 | U |
| 60-57-1 | Dieldrin | 4.1 | U |
| 72-55-9 | 4,4'-DDE | 4.1 | U |
| 72-20-8 | Endrin | 4.1 | U |
| 33213-65-9 | Endosulfan II | 4.1 | U |
| 72-54-8 | 4,4'-DDD | 4.1 | U |
| 1031-07-8 | Endosulfan sulfate | 4.1 | U |
| 50-29-3 | 4,4'-DDT | 4.1 | U |
| 72-43-5 | Methoxychlor | 21 | U |
| 53494-70-5 | Endrin ketone | 4.1 | U |
| 7421-93-4 | Endrin aldehyde | 4.1 | U |
| 5103-71-9 | alpha-Chlordane | 2.1 | U |
| 5103-74-2 | gamma-Chlordane | 2.1 | U |
| 8001-35-2 | Toxaphene | 210 | U |
| 12674-11-2 | Aroclor-1016 | 41 | U |
| 11104-28-2 | Aroclor-1221 | 82 | U |
| 11141-16-5 | Aroclor-1232 | 41 | U |
| 53469-21-9 | Aroclor-1242 | 41 | U |
| 12672-29-6 | Aroclor-1248 | 41 | U |
| 11097-69-1 | Aroclor-1254 | 41 | U |
| 11096-82-5 | Aroclor-1260 | 41 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0016

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-06

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

% Moisture: 11 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 1.9 | U |
| 319-85-7 | beta-BHC | 1.9 | U |
| 319-86-8 | delta-BHC | 1.9 | U |
| 58-89-9 | gamma-BHC (Lindane) | 1.9 | U |
| 76-44-8 | Heptachlor | 1.9 | U |
| 309-00-2 | Aldrin | 1.9 | U |
| 1024-57-3 | Heptachlor epoxide | 1.9 | U |
| 959-98-8 | Endosulfan I | 1.9 | U |
| 60-57-1 | Dieldrin | 3.7 | U |
| 72-55-9 | 4,4'-DDE | 3.7 | U |
| 72-20-8 | Endrin | 3.7 | U |
| 33213-65-9 | Endosulfan II | 3.7 | U |
| 72-54-8 | 4,4'-DDD | 3.7 | U |
| 1031-07-8 | Endosulfan sulfate | 3.7 | U |
| 50-29-3 | 4,4'-DDT | 3.7 | U |
| 72-43-5 | Methoxychlor | 19 | U |
| 53494-70-5 | Endrin ketone | 3.7 | U |
| 7421-93-4 | Endrin aldehyde | 3.7 | U |
| 5103-71-9 | alpha-Chlordane | 1.9 | U |
| 5103-74-2 | gamma-Chlordane | 1.9 | U |
| 8001-35-2 | Toxaphene | 190 | U |
| 12674-11-2 | Aroclor-1016 | 37 | U |
| 11104-28-2 | Aroclor-1221 | 75 | U |
| 11141-16-5 | Aroclor-1232 | 37 | U |
| 53469-21-9 | Aroclor-1242 | 37 | U |
| 12672-29-6 | Aroclor-1248 | 37 | U |
| 11097-69-1 | Aroclor-1254 | 37 | U |
| 11096-82-5 | Aroclor-1260 | 37 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0017

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-07

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

% Moisture: 18 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.1 | U |
| 319-85-7 | beta-BHC | 2.1 | U |
| 319-86-8 | delta-BHC | 2.1 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.1 | U |
| 76-44-8 | Heptachlor | 2.1 | U |
| 309-00-2 | Aldrin | 2.1 | U |
| 1024-57-3 | Heptachlor epoxide | 2.1 | U |
| 959-98-8 | Endosulfan I | 2.1 | U |
| 60-57-1 | Dieldrin | 4.0 | U |
| 72-55-9 | 4,4'-DDE | 4.0 | U |
| 72-20-8 | Endrin | 4.0 | U |
| 33213-65-9 | Endosulfan II | 4.0 | U |
| 72-54-8 | 4,4'-DDD | 4.0 | U |
| 1031-07-8 | Endosulfan sulfate | 4.0 | U |
| 50-29-3 | 4,4'-DDT | 4.0 | U |
| 72-43-5 | Methoxychlor | 21 | U |
| 53494-70-5 | Endrin ketone | 4.0 | U |
| 7421-93-4 | Endrin aldehyde | 4.0 | U |
| 5103-71-9 | alpha-Chlordane | 2.1 | U |
| 5103-74-2 | gamma-Chlordane | 2.1 | U |
| 8001-35-2 | Toxaphene | 210 | U |
| 12674-11-2 | Aroclor-1016 | 40 | U |
| 11104-28-2 | Aroclor-1221 | 81 | U |
| 11141-16-5 | Aroclor-1232 | 40 | U |
| 53469-21-9 | Aroclor-1242 | 40 | U |
| 12672-29-6 | Aroclor-1248 | 40 | U |
| 11097-69-1 | Aroclor-1254 | 40 | U |
| 11096-82-5 | Aroclor-1260 | 40 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0018

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-08

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

% Moisture: 11 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 1.9 | U |
| 319-85-7 | beta-BHC | 1.9 | U |
| 319-86-8 | delta-BHC | 1.9 | U |
| 58-89-9 | gamma-BHC (Lindane) | 1.9 | U |
| 76-44-8 | Heptachlor | 1.9 | U |
| 309-00-2 | Aldrin | 1.9 | U |
| 1024-57-3 | Heptachlor epoxide | 1.9 | U |
| 959-98-8 | Endosulfan I | 1.9 | U |
| 60-57-1 | Dieldrin | 3.7 | U |
| 72-55-9 | 4,4'-DDE | 3.7 | U |
| 72-20-8 | Endrin | 3.7 | U |
| 33213-65-9 | Endosulfan II | 3.7 | U |
| 72-54-8 | 4,4'-DDD | 3.7 | U |
| 1031-07-8 | Endosulfan sulfate | 3.7 | U |
| 50-29-3 | 4,4'-DDT | 3.7 | U |
| 72-43-5 | Methoxychlor | 19 | U |
| 53494-70-5 | Endrin ketone | 3.7 | U |
| 7421-93-4 | Endrin aldehyde | 3.7 | U |
| 5103-71-9 | alpha-Chlordane | 1.9 | U |
| 5103-74-2 | gamma-Chlordane | 1.9 | U |
| 8001-35-2 | Toxaphene | 190 | U |
| 12674-11-2 | Aroclor-1016 | 37 | U |
| 11104-28-2 | Aroclor-1221 | 75 | U |
| 11141-16-5 | Aroclor-1232 | 37 | U |
| 53469-21-9 | Aroclor-1242 | 37 | U |
| 12672-29-6 | Aroclor-1248 | 37 | U |
| 11097-69-1 | Aroclor-1254 | 37 | U |
| 11096-82-5 | Aroclor-1260 | 37 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0019

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-09

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

% Moisture: 19 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y 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 | 2.1 | U |
| 319-85-7 | beta-BHC | 2.1 | U |
| 319-86-8 | delta-BHC | 2.1 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.1 | U |
| 76-44-8 | Heptachlor | 2.1 | U |
| 309-00-2 | Aldrin | 2.1 | U |
| 1024-57-3 | Heptachlor epoxide | 2.1 | U |
| 959-98-8 | Endosulfan I | 2.1 | U |
| 60-57-1 | Dieldrin | 4.0 | U |
| 72-55-9 | 4,4'-DDE | 4.0 | U |
| 72-20-8 | Endrin | 4.0 | U |
| 33213-65-9 | Endosulfan II | 4.0 | U |
| 72-54-8 | 4,4'-DDD | 4.0 | U |
| 1031-07-8 | Endosulfan sulfate | 4.0 | U |
| 50-29-3 | 4,4'-DDT | 4.0 | U |
| 72-43-5 | Methoxychlor | 21 | U |
| 53494-70-5 | Endrin ketone | 4.0 | U |
| 7421-93-4 | Endrin aldehyde | 4.0 | U |
| 5103-71-9 | alpha-Chlordane | 2.1 | U |
| 5103-74-2 | gamma-Chlordane | 2.1 | U |
| 8001-35-2 | Toxaphene | 210 | U |
| 12674-11-2 | Aroclor-1016 | 40 | U |
| 11104-28-2 | Aroclor-1221 | 82 | U |
| 11141-16-5 | Aroclor-1232 | 40 | U |
| 53469-21-9 | Aroclor-1242 | 40 | U |
| 12672-29-6 | Aroclor-1248 | 40 | U |
| 11097-69-1 | Aroclor-1254 | 40 | U |
| 11096-82-5 | Aroclor-1260 | 40 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0020

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-10

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

% Moisture: 19 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.1 | U |
| 319-85-7 | beta-BHC | 2.1 | U |
| 319-86-8 | delta-BHC | 2.1 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.1 | U |
| 76-44-8 | Heptachlor | 2.1 | U |
| 309-00-2 | Aldrin | 2.1 | U |
| 1024-57-3 | Heptachlor epoxide | 2.1 | U |
| 959-98-8 | Endosulfan I | 2.1 | U |
| 60-57-1 | Dieldrin | 4.0 | U |
| 72-55-9 | 4,4'-DDE | 4.0 | U |
| 72-20-8 | Endrin | 4.0 | U |
| 33213-65-9 | Endosulfan II | 4.0 | U |
| 72-54-8 | 4,4'-DDD | 4.0 | U |
| 1031-07-8 | Endosulfan sulfate | 4.0 | U |
| 50-29-3 | 4,4'-DDT | 4.0 | U |
| 72-43-5 | Methoxychlor | 21 | U |
| 53494-70-5 | Endrin ketone | 4.0 | U |
| 7421-93-4 | Endrin aldehyde | 4.0 | U |
| 5103-71-9 | alpha-Chlordane | 2.1 | U |
| 5103-74-2 | gamma-Chlordane | 2.1 | U |
| 8001-35-2 | Toxaphene | 210 | U |
| 12674-11-2 | Aroclor-1016 | 40 | U |
| 11104-28-2 | Aroclor-1221 | 82 | U |
| 11141-16-5 | Aroclor-1232 | 40 | U |
| 53469-21-9 | Aroclor-1242 | 40 | U |
| 12672-29-6 | Aroclor-1248 | 40 | U |
| 11097-69-1 | Aroclor-1254 | 40 | U |
| 11096-82-5 | Aroclor-1260 | 40 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0021

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-11

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

% Moisture: 15 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.0 | U |
| 319-85-7 | beta-BHC | 2.0 | U |
| 319-86-8 | delta-BHC | 2.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.0 | U |
| 76-44-8 | Heptachlor | 2.0 | U |
| 309-00-2 | Aldrin | 2.0 | U |
| 1024-57-3 | Heptachlor epoxide | 2.0 | U |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 3.9 | U |
| 72-55-9 | 4,4'-DDE | 3.9 | U |
| 72-20-8 | Endrin | 3.9 | U |
| 33213-65-9 | Endosulfan II | 3.9 | U |
| 72-54-8 | 4,4'-DDD | 3.9 | U |
| 1031-07-8 | Endosulfan sulfate | 3.9 | U |
| 50-29-3 | 4,4'-DDT | 3.9 | U |
| 72-43-5 | Methoxychlor | 20 | U |
| 53494-70-5 | Endrin ketone | 3.9 | U |
| 7421-93-4 | Endrin aldehyde | 3.9 | U |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 2.0 | U |
| 8001-35-2 | Toxaphene | 200 | U |
| 12674-11-2 | Aroclor-1016 | 39 | U |
| 11104-28-2 | Aroclor-1221 | 78 | U |
| 11141-16-5 | Aroclor-1232 | 39 | U |
| 53469-21-9 | Aroclor-1242 | 39 | U |
| 12672-29-6 | Aroclor-1248 | 39 | U |
| 11097-69-1 | Aroclor-1254 | 39 | U |
| 11096-82-5 | Aroclor-1260 | 39 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0022

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-01

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 11 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/16/03

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 |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 1.9 | U |
| 319-85-7 | beta-BHC | 1.9 | U |
| 319-86-8 | delta-BHC | 1.9 | U |
| 58-89-9 | gamma-BHC (Lindane) | 1.9 | U |
| 76-44-8 | Heptachlor | 1.9 | U |
| 309-00-2 | Aldrin | 1.9 | U |
| 1024-57-3 | Heptachlor epoxide | 1.9 | U |
| 959-98-8 | Endosulfan I | 1.9 | U |
| 60-57-1 | Dieldrin | 3.7 | U |
| 72-55-9 | 4,4'-DDE | 3.7 | U |
| 72-20-8 | Endrin | 3.7 | U |
| 33213-65-9 | Endosulfan II | 3.7 | U |
| 72-54-8 | 4,4'-DDD | 3.7 | U |
| 1031-07-8 | Endosulfan sulfate | 3.7 | U |
| 50-29-3 | 4,4'-DDT | 3.7 | U |
| 72-43-5 | Methoxychlor | 19 | U |
| 53494-70-5 | Endrin ketone | 3.7 | U |
| 7421-93-4 | Endrin aldehyde | 3.7 | U |
| 5103-71-9 | alpha-Chlordane | 1.9 | U |
| 5103-74-2 | gamma-Chlordane | 1.9 | U |
| 8001-35-2 | Toxaphene | 190 | U |
| 12674-11-2 | Aroclor-1016 | 37 | U |
| 11104-28-2 | Aroclor-1221 | 74 | U |
| 11141-16-5 | Aroclor-1232 | 37 | U |
| 53469-21-9 | Aroclor-1242 | 37 | U |
| 12672-29-6 | Aroclor-1248 | 37 | U |
| 11097-69-1 | Aroclor-1254 | 37 | U |
| 11096-82-5 | Aroclor-1260 | 37 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0023

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0015

Matrix: (soil/water) SOIL  Lab Sample ID: 030372-02

Sample wt/vol: 30.4(g/mL) G  Lab File ID: _____

% Moisture: 13  Decanted: (Y/N) N  Date Received: 04/10/03

Extraction: (Type) SONC  Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL)  Date Analyzed: 04/17/03

Injection Volume: 1.0(uL)  Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y  pH: 7.8  Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 1.9 | U |
| 319-85-7 | beta-BHC | 1.9 | U |
| 319-86-8 | delta-BHC | 1.9 | U |
| 58-89-9 | gamma-BHC (Lindane) | 1.9 | U |
| 76-44-8 | Heptachlor | 1.9 | U |
| 309-00-2 | Aldrin | 1.9 | U |
| 1024-57-3 | Heptachlor epoxide | 1.9 | U |
| 959-98-8 | Endosulfan I | 1.9 | U |
| 60-57-1 | Dieldrin | 3.7 | U |
| 72-55-9 | 4,4'-DDE | 3.7 | U |
| 72-20-8 | Endrin | 3.7 | U |
| 33213-65-9 | Endosulfan II | 3.7 | U |
| 72-54-8 | 4,4'-DDD | 3.7 | U |
| 1031-07-8 | Endosulfan sulfate | 3.7 | U |
| 50-29-3 | 4,4'-DDT | 3.7 | U |
| 72-43-5 | Methoxychlor | 19 | U |
| 53494-70-5 | Endrin ketone | 3.7 | U |
| 7421-93-4 | Endrin aldehyde | 3.7 | U |
| 5103-71-9 | alpha-Chlordane | 1.9 | U |
| 5103-74-2 | gamma-Chlordane | 1.9 | U |
| 8001-35-2 | Toxaphene | 190 | U |
| 12674-11-2 | Aroclor-1016 | 37 | U |
| 11104-28-2 | Aroclor-1221 | 76 | U |
| 11141-16-5 | Aroclor-1232 | 37 | U |
| 53469-21-9 | Aroclor-1242 | 37 | U |
| 12672-29-6 | Aroclor-1248 | 37 | U |
| 11097-69-1 | Aroclor-1254 | 37 | U |
| 11096-82-5 | Aroclor-1260 | 37 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0024

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-03

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.2 | U |
| 319-85-7 | beta-BHC | 2.2 | U |
| 319-86-8 | delta-BHC | 2.2 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.2 | U |
| 76-44-8 | Heptachlor | 2.2 | U |
| 309-00-2 | Aldrin | 2.2 | U |
| 1024-57-3 | Heptachlor epoxide | 2.2 | U |
| 959-98-8 | Endosulfan I | 2.2 | U |
| 60-57-1 | Dieldrin | 4.2 | U |
| 72-55-9 | 4,4'-DDE | 4.2 | U |
| 72-20-8 | Endrin | 4.2 | U |
| 33213-65-9 | Endosulfan II | 4.2 | U |
| 72-54-8 | 4,4'-DDD | 4.2 | U |
| 1031-07-8 | Endosulfan sulfate | 4.2 | U |
| 50-29-3 | 4,4'-DDT | 4.2 | U |
| 72-43-5 | Methoxychlor | 22 | U |
| 53494-70-5 | Endrin ketone | 4.2 | U |
| 7421-93-4 | Endrin aldehyde | 4.2 | U |
| 5103-71-9 | alpha-Chlordane | 2.2 | U |
| 5103-74-2 | gamma-Chlordane | 2.2 | U |
| 8001-35-2 | Toxaphene | 220 | U |
| 12674-11-2 | Aroclor-1016 | 42 | U |
| 11104-28-2 | Aroclor-1221 | 85 | U |
| 11141-16-5 | Aroclor-1232 | 42 | U |
| 53469-21-9 | Aroclor-1242 | 42 | U |
| 12672-29-6 | Aroclor-1248 | 42 | U |
| 11097-69-1 | Aroclor-1254 | 42 | U |
| 11096-82-5 | Aroclor-1260 | 42 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0025

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0015

Matrix: (soil/water) SOIL  Lab Sample ID: 030372-04

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

% Moisture: 14 Decanted: (Y/N) N  Date Received: 04/10/03

Extraction: (Type) SONC  Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL)  Date Analyzed: 04/17/03

Injection Volume: 1.0(uL)  Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y  pH: 8.8  Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.0 | U |
| 319-85-7 | beta-BHC | 2.0 | U |
| 319-86-8 | delta-BHC | 2.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.0 | U |
| 76-44-8 | Heptachlor | 2.0 | U |
| 309-00-2 | Aldrin | 2.0 | U |
| 1024-57-3 | Heptachlor epoxide | 2.0 | U |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 3.8 | U |
| 72-55-9 | 4,4'-DDE | 3.8 | U |
| 72-20-8 | Endrin | 3.8 | U |
| 33213-65-9 | Endosulfan II | 3.8 | U |
| 72-54-8 | 4,4'-DDD | 3.8 | U |
| 1031-07-8 | Endosulfan sulfate | 3.8 | U |
| 50-29-3 | 4,4'-DDT | 3.8 | U |
| 72-43-5 | Methoxychlor | 20 | U |
| 53494-70-5 | Endrin ketone | 3.8 | U |
| 7421-93-4 | Endrin aldehyde | 3.8 | U |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 2.0 | U |
| 8001-35-2 | Toxaphene | 200 | U |
| 12674-11-2 | Aroclor-1016 | 38 | U |
| 11104-28-2 | Aroclor-1221 | 78 | U |
| 11141-16-5 | Aroclor-1232 | 38 | U |
| 53469-21-9 | Aroclor-1242 | 38 | U |
| 12672-29-6 | Aroclor-1248 | 38 | U |
| 11097-69-1 | Aroclor-1254 | 38 | U |
| 11096-82-5 | Aroclor-1260 | 38 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0015

Matrix: (soil/water) SOIL  Lab Sample ID: 030372-12

Sample wt/vol: 30.3(g/mL) G  Lab File ID: _____

% Moisture: 14  Decanted: (Y/N) N  Date Received: 04/10/03

Extraction: (Type) SONC  Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL)  Date Analyzed: 04/17/03

Injection Volume: 1.0(uL)  Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.0 | U |
| 319-85-7 | beta-BHC | 2.0 | U |
| 319-86-8 | delta-BHC | 2.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.0 | U |
| 76-44-8 | Heptachlor | 2.0 | U |
| 309-00-2 | Aldrin | 2.0 | U |
| 1024-57-3 | Heptachlor epoxide | 2.0 | U |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 3.8 | U |
| 72-55-9 | 4,4'-DDE | 3.8 | U |
| 72-20-8 | Endrin | 3.8 | U |
| 33213-65-9 | Endosulfan II | 3.8 | U |
| 72-54-8 | 4,4'-DDD | 3.8 | U |
| 1031-07-8 | Endosulfan sulfate | 3.8 | U |
| 50-29-3 | 4,4'-DDT | 3.8 | U |
| 72-43-5 | Methoxychlor | 20 | U |
| 53494-70-5 | Endrin ketone | 3.8 | U |
| 7421-93-4 | Endrin aldehyde | 3.8 | U |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 2.0 | U |
| 8001-35-2 | Toxaphene | 200 | U |
| 12674-11-2 | Aroclor-1016 | 38 | U |
| 11104-28-2 | Aroclor-1221 | 77 | U |
| 11141-16-5 | Aroclor-1232 | 38 | U |
| 53469-21-9 | Aroclor-1242 | 38 | U |
| 12672-29-6 | Aroclor-1248 | 38 | U |
| 11097-69-1 | Aroclor-1254 | 38 | U |
| 11096-82-5 | Aroclor-1260 | 38 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0026MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MS

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 14 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.0 | U |
| 319-85-7 | beta-BHC | 2.0 | U |
| 319-86-8 | delta-BHC | 2.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 14 | |
| 76-44-8 | Heptachlor | 14 | |
| 309-00-2 | Aldrin | 14 | |
| 1024-57-3 | Heptachlor epoxide | 2.0 | U |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 36 | |
| 72-55-9 | 4,4'-DDE | 3.8 | U |
| 72-20-8 | Endrin | 42 | |
| 33213-65-9 | Endosulfan II | 3.8 | U |
| 72-54-8 | 4,4'-DDD | 3.8 | U |
| 1031-07-8 | Endosulfan sulfate | 3.8 | U |
| 50-29-3 | 4,4'-DDT | 37 | |
| 72-43-5 | Methoxychlor | 39 | |
| 53494-70-5 | Endrin ketone | 3.8 | U |
| 7421-93-4 | Endrin aldehyde | 3.8 | U |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 2.0 | U |
| 8001-35-2 | Toxaphene | 200 | U |
| 12674-11-2 | Aroclor-1016 | 38 | U |
| 11104-28-2 | Aroclor-1221 | 77 | U |
| 11141-16-5 | Aroclor-1232 | 38 | U |
| 53469-21-9 | Aroclor-1242 | 38 | U |
| 12672-29-6 | Aroclor-1248 | 38 | U |
| 11097-69-1 | Aroclor-1254 | 38 | U |
| 11096-82-5 | Aroclor-1260 | 38 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0026MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-12MSD

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 14 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.0 | U |
| 319-85-7 | beta-BHC | 2.0 | U |
| 319-86-8 | delta-BHC | 2.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 13 | |
| 76-44-8 | Heptachlor | 14 | |
| 309-00-2 | Aldrin | 14 | |
| 1024-57-3 | Heptachlor epoxide | 2.0 | U |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 30 | |
| 72-55-9 | 4,4'-DDE | 3.8 | U |
| 72-20-8 | Endrin | 33 | |
| 33213-65-9 | Endosulfan II | 3.8 | U |
| 72-54-8 | 4,4'-DDD | 3.8 | U |
| 1031-07-8 | Endosulfan sulfate | 3.8 | U |
| 50-29-3 | 4,4'-DDT | 32 | |
| 72-43-5 | Methoxychlor | 20 | U |
| 53494-70-5 | Endrin ketone | 3.8 | U |
| 7421-93-4 | Endrin aldehyde | 3.8 | U |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 2.0 | U |
| 8001-35-2 | Toxaphene | 200 | U |
| 12674-11-2 | Aroclor-1016 | 38 | U |
| 11104-28-2 | Aroclor-1221 | 77 | U |
| 11141-16-5 | Aroclor-1232 | 38 | U |
| 53469-21-9 | Aroclor-1242 | 38 | U |
| 12672-29-6 | Aroclor-1248 | 38 | U |
| 11097-69-1 | Aroclor-1254 | 38 | U |
| 11096-82-5 | Aroclor-1260 | 38 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0027

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: 030372-13

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

% Moisture: 14 Decanted: (Y/N) N Date Received: 04/10/03

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/17/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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 |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.0 | U |
| 319-85-7 | beta-BHC | 2.0 | U |
| 319-86-8 | delta-BHC | 2.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.0 | U |
| 76-44-8 | Heptachlor | 2.0 | U |
| 309-00-2 | Aldrin | 2.0 | U |
| 1024-57-3 | Heptachlor epoxide | 2.0 | U |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 3.8 | U |
| 72-55-9 | 4,4'-DDE | 3.8 | U |
| 72-20-8 | Endrin | 3.8 | U |
| 33213-65-9 | Endosulfan II | 3.8 | U |
| 72-54-8 | 4,4'-DDD | 3.8 | U |
| 1031-07-8 | Endosulfan sulfate | 3.8 | U |
| 50-29-3 | 4,4'-DDT | 3.8 | U |
| 72-43-5 | Methoxychlor | 20 | U |
| 53494-70-5 | Endrin ketone | 3.8 | U |
| 7421-93-4 | Endrin aldehyde | 3.8 | U |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 2.0 | U |
| 8001-35-2 | Toxaphene | 200 | U |
| 12674-11-2 | Aroclor-1016 | 38 | U |
| 11104-28-2 | Aroclor-1221 | 78 | U |
| 11141-16-5 | Aroclor-1232 | 38 | U |
| 53469-21-9 | Aroclor-1242 | 38 | U |
| 12672-29-6 | Aroclor-1248 | 38 | U |
| 11097-69-1 | Aroclor-1254 | 38 | U |
| 11096-82-5 | Aroclor-1260 | 38 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0015

Matrix: (soil/water) SOIL Lab Sample ID: P0414-B3

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

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 04/14/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/16/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 1.7 | U |
| 319-85-7 | beta-BHC | 1.7 | U |
| 319-86-8 | delta-BHC | 1.7 | U |
| 58-89-9 | gamma-BHC (Lindane) | 1.7 | U |
| 76-44-8 | Heptachlor | 1.7 | U |
| 309-00-2 | Aldrin | 1.7 | U |
| 1024-57-3 | Heptachlor epoxide | 1.7 | U |
| 959-98-8 | Endosulfan I | 1.7 | U |
| 60-57-1 | Dieldrin | 3.3 | U |
| 72-55-9 | 4,4'-DDE | 3.3 | U |
| 72-20-8 | Endrin | 3.3 | U |
| 33213-65-9 | Endosulfan II | 3.3 | U |
| 72-54-8 | 4,4'-DDD | 3.3 | U |
| 1031-07-8 | Endosulfan sulfate | 3.3 | U |
| 50-29-3 | 4,4'-DDT | 3.3 | U |
| 72-43-5 | Methoxychlor | 17 | U |
| 53494-70-5 | Endrin ketone | 3.3 | U |
| 7421-93-4 | Endrin aldehyde | 3.3 | U |
| 5103-71-9 | alpha-Chlordane | 1.7 | U |
| 5103-74-2 | gamma-Chlordane | 1.7 | U |
| 8001-35-2 | Toxaphene | 170 | U |
| 12674-11-2 | Aroclor-1016 | 33 | U |
| 11104-28-2 | Aroclor-1221 | 67 | U |
| 11141-16-5 | Aroclor-1232 | 33 | U |
| 53469-21-9 | Aroclor-1242 | 33 | U |
| 12672-29-6 | Aroclor-1248 | 33 | U |
| 11097-69-1 | Aroclor-1254 | 33 | U |
| 11096-82-5 | Aroclor-1260 | 33 | U |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0015 CERCLIS No: ILD984903286

Case No: 31584 Site Name/Location: PLOT M. PALOS FOREST PRESERVE (ARGONNE)

Contractor of EPA Lab: CEMIC Data User: IEPA

No. of Samples: 13 Date Sampled or Date Received: 4-28-03

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ____ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 13 No. of samples received: 13

Received by: EVA M. DIXON | ESAT Date: 4-28-03

Received by LSSS: EVA M. DIXON | ESAT Date: 4-28-03

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: EVA M. DIXON | ESAT Date: 5-1-03

Mailed to user by: EVA M. DIXON | ESAT Date: 5-1-03

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____

DATE: May 7, 2003

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Plot M. Palos Forest Preserve (Argonne)

| CASE NO. | LAB | NO. OF SAMPLES | SDG | MATRIX |
|---|---|---|---|---|
| 31584 | Bonner | 13 | ME0015 | Soil |

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

RECEIVED
MAY 1 2 2003
IEPA-DCL-PCRS

MAY 07 2003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: May 7, 2003

SUBJECT: Review of Data
Received for Review on May 6, 2003

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

The data in this case has not been validated.
We have compiled the CADRE files into a narrative format for the following case:

SITE NAME: Plot M. Palos Forest Preserve (Argonne)

CASE NUMBER: 31584 SDG NUMBER: ME0015

Number and Type of Samples: 13 soils

Sample Numbers: ME0015-27

Laboratory: Bonner Hrs. for Review: 2

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

Case Number : 31584
Site Name: Plot M. Palos Forest Preserve

SDG Number: ME0015
Laboratory: Bonner

**Below is a summary of the out-of-control audits and the possible effects on the data for this case:**

Thirteen soil samples numbered ME0015-27 were collected on April 9, 2003. The lab received the samples on April 14, 2003. The sample cooler was at 1.8 degrees C upon receipt. All samples were analyzed for metals and cyanide. All samples were analyzed using CLP SOW ILM04.1 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

Assembled By: ESAT
Date: May 7, 2003

Case Number : 31584
Site Name: Plot M. Palos Forest Preserve

SDG Number: ME0015
Laboratory: Bonner

## 1. HOLDING TIME:

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 4

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0015 | SDG No.: ME0015 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Holding Time** **Protocol: INORG**

DC-10 The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

**ME0015, ME0016, ME0017, ME0018, ME0019, ME0019D, ME0019S, ME0020, ME0020D, ME0020S, ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0026D, ME0026S, ME0027**

## 2. CALIBRATIONS:

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 1

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0015 | SDG No.: ME0015 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Calibrations** **Protocol: INORG**

No defects found.

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 2

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0015 | SDG No.: ME0015 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: CRDL/CRQL Standard** **Protocol: INORG**

No defects found.

## 3. BLANKS:

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 7

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0015 | SDG No.: ME0015 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Laboratory Blanks** **Protocol: INORG**

No defects found.

Assembled By: ESAT
Date: May 7, 2003

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 12

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0015 | SDG No.: ME0015 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: CADRE Reserved** **Protocol: INORG**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than detection limit.

**ME0015, ME0016, ME0017, ME0018, ME0019, ME0019D, ME0020, ME0020D, ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0026D, ME0027, PBS01**

## 4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

ate: 5/5/2003 Wincadre 3.1.3.2 Page: 9

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0015 | SDG No.: ME0015 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Matrix Spikes** **Protocol: INORG**

No defects found.

te: 5/5/2003 Wincadre 3.1.3.2 Page: 8

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0015 | SDG No.: ME0015 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Laboratory Control Sample** **Protocol: INORG**

DC-6 The following inorganic soil samples are associated with a solid laboratory control sample (LCS) with analyte found amounts which are high, indicating a potential positive bias in the sample results. Hits are qualified "J".

**Antimony**
ME0016, ME0018, ME0019, ME0022, ME0023, ME0024, ME0025, ME0027

**Silver**
ME0017

## 5. LABORATORY AND FIELD DUPLICATE

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 3

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0015 | SDG No.: ME0015 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Duplicates** **Protocol: INORG**

Assembled By: ESAT
Date: May 7, 2003

No defects found.

## 6. ICP ANALYSIS

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 5

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0015 | SDG No.: ME0015 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Interference Check Sample** **Protocol: INORG**

DC-6 The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 mg/L (ppm) that may cause potential interference. Use professional judgement to qualify sample data.

**ME0015**
Potassium

**ME0016**
Potassium

**ME0017**
Potassium

**ME0018**
Potassium

**ME0019**
Potassium

**ME0020**
Potassium

**ME0021**
Potassium

**ME0022**
Potassium

**ME0023**
Potassium

**ME0024**
Potassium

**ME0025**
Potassium

**ME0026**
Potassium

**ME0027**
Potassium

DC-10 The following inorganic samples have one or more interferents present at concentrations more than true amounts added in the ICSAB solution. Use Professional judgement to qualify sample data.

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 6

Data Review Results

| | | | |
|---|---|---|---|
| ab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |

Case Number : 31584
Site Name: Plot M. Palos Forest Preserve

SDG Number: ME0015
Laboratory: Bonner

'le Name: ME0015 SDG No.: ME0015 Criteria: ILM05 Defects: ILM5

**ME0015, ME0016, ME0017, ME0018, ME0019, ME0020, ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0027**

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 11

Data Review Results

Lab ID: BONNER Case No.: 31584 Method: ILM05 Flag :NFGFLAG
File Name: ME0015 SDG No.: ME0015 Criteria: ILM05 Defects: ILM5

**Qualification: Serial Dilution** **Protocol: INORG**

DC-4 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits and non-detects are not flagged.

**Iron**

ME0015, ME0016, ME0017, ME0018, ME0019, ME0020, ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0027

## 7. GFAA ANALYSIS

## ?. SAMPLE RESULTS

All data, except those qualified above, are acceptable.

Assembled By: ESAT
Date: May 7, 2003

ILM05.2 Data Qualifier Sheet

| Qualifiers | Data Qualifier Definitions |
|---|---|
| U | The analyte was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. |
| J+ | The result is an estimated quantity, but the result may be biased high. |
| J- | The result is an estimated quantity, but the result may be biased low. |
| R | The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample. |
| UJ | The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise. |

**Analytical Results (Qualified Data)**

Case #. 31584 SDG : ME0015
Site : ARGONNE PLOT M
Lab. : BONNER
Reviewer :
Date :

Number of Soil Samples : 13
Number of Water Samples : 0

| Sample Number : | ME0015 | | ME0016 | | ME0017 | | ME0018 | | ME0019 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X105 | | X106 | | X107 | | X108 | | X109 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 12:50 | | 12:50 | | 09:50 | | 09:50 | | 11:15 | |
| %Solids : | 83.8 | | 86.4 | | 81.0 | | 90.1 | | 82.8 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 17600 | | 10200 | | 18400 | | 5840 | | 15300 | |
| ANTIMONY | 14.0 | U | 0.79 | J | 14.4 | U | 0.63 | J | 0.55 | J |
| ARSENIC | 13.8 | | 10.0 | | 10.7 | | 8.0 | | 16.6 | |
| BARIUM | 64.7 | | 38.6 | | 81.5 | | 15.0 | | 77.6 | |
| BERYLLIUM | 1.1 | | 0.57 | | 0.90 | | 0.36 | | 0.83 | |
| CADMIUM | 0.46 | | 0.67 | | 0.34 | | 0.54 | | 0.73 | |
| CALCIUM | 1780 | | 74400 | | 1820 | | 67500 | | 21300 | |
| CHROMIUM | 27.2 | | 16.9 | | 26.6 | | 10.9 | | 23.4 | |
| COBALT | 26.4 | | 11.3 | | 25.9 | | 7.6 | | 15.8 | |
| COPPER | 39.5 | | 27.7 | | 25.9 | | 28.3 | | 37.8 | |
| IRON | 30400 | | 20400 | | 27100 | | 17800 | | 30500 | |
| LEAD | 28.7 | | 16.5 | | 31.3 | | 17.6 | | 24.0 | |
| MAGNESIUM | 5830 | | 31000 | | 5000 | | 39300 | | 16500 | |
| MANGANESE | 556 | | 451 | | 1260 | | 479 | | 512 | |
| MERCURY | 0.050 | | 0.12 | U | 0.070 | | 0.030 | | 0.060 | |
| NICKEL | 42.9 | | 27.1 | | 24.5 | | 19.0 | | 49.6 | |
| POTASSIUM | 3340 | | 3350 | | 2620 | | 2260 | | 3110 | |
| SELENIUM | 8.2 | U | 8.0 | U | 8.4 | U | 7.0 | U | 7.6 | U |
| SILVER | 2.3 | U | 2.3 | U | 0.10 | J | 2.0 | U | 2.2 | U |
| SODIUM | 105 | | 154 | | 84.1 | | 143 | | 120 | |
| THALLIUM | 2.7 | | 2.0 | | 3.4 | | 2.3 | | 2.8 | |
| VANADIUM | 29.9 | | 18.9 | | 34.3 | | 12.9 | | 26.7 | |
| ZINC | 87.5 | | 70.6 | | 60.8 | | 83.1 | | 82.7 | |
| CYANIDE | 0.070 | | 0.080 | | 0.14 | | 0.030 | | 0.020 | |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

## Analytical Results (Qualified Data)

Case #: 31584 SDG : ME0015
Site : ARGONNE PLOT M
Lab. : BONNER
Reviewer :
Date :

| Sample Number : | ME0020 | | ME0021 | | ME0022 | | ME0023 | | ME0024 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X110 | | X111 | | X101 | | X102 | | X103 | |
| Matrix | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 11:15 | | 11:15 | | 14:45 | | 14:45 | | 13:55 | |
| %Solids : | 83.7 | | 88.4 | | 88.0 | | 88.3 | | 79.1 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 16400 | | 9900 | | 13900 | | 7810 | | 28000 | |
| ANTIMONY | 13.7 | U | 12.3 | U | 0.73 | J | 0.87 | J | 0.81 | J |
| ARSENIC | 13.3 | | 9.3 | | 8.5 | | 5.1 | | 11.6 | |
| BARIUM | 79.0 | | 33.5 | | 66.5 | | 28.8 | | 84.5 | |
| BERYLLIUM | 0.90 | | 0.52 | | 0.76 | | 0.46 | | 0.96 | |
| CADMIUM | 0.65 | | 0.60 | | 0.46 | | 0.53 | | 0.50 | |
| CALCIUM | 19500 | | 72400 | | 52500 | | 56400 | | 1620 | |
| CHROMIUM | 25.1 | | 15.7 | | 22.1 | | 13.0 | | 33.4 | |
| COBALT | 15.4 | | 10.4 | | 13.3 | | 8.4 | | 10.0 | |
| COPPER | 37.8 | | 27.3 | | 26.1 | | 27.4 | | 34.7 | |
| IRON | 28300 | | 19500 | | 22600 | | 15700 | | 35400 | |
| LEAD | 24.0 | | 13.8 | | 17.3 | | 15.8 | | 24.2 | |
| MAGNESIUM | 15500 | | 40500 | | 24200 | | 32600 | | 6680 | |
| MANGANESE | 489 | | 430 | | 424 | | 518 | | 249 | |
| MERCURY | 0.060 | | 0.050 | | 0.050 | | 0.070 | | 0.080 | |
| NICKEL | 43.6 | | 25.4 | | 34.6 | | 22.0 | | 29.6 | |
| POTASSIUM | 3490 | | 3490 | | 3990 | | 2660 | | 3790 | |
| SELENIUM | 8.0 | U | 7.2 | U | 8.0 | U | 7.3 | U | 0.99 | |
| SILVER | 2.3 | U | 2.1 | U | 2.3 | U | 2.1 | U | 2.1 | U |
| SODIUM | 126 | | 181 | | 164 | | 169 | | 99.6 | |
| THALLIUM | 2.7 | | 1.6 | | 1.8 | | 1.7 | | 1.5 | |
| VANADIUM | 28.1 | | 20.2 | | 23.7 | | 17.1 | | 43.3 | |
| ZINC | 82.4 | | 62.4 | | 60.7 | | 76.5 | | 76.0 | |
| CYANIDE | 0.050 | | 0.060 | | 0.060 | | 0.040 | | 0.040 | |

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## Analytical Results (Qualified Data)

Case #. 31584 SDG : ME0015
Site : ARGONNE PLOT M
Lab. : BONNER
Reviewer :
Date :

| Sample Number : | ME0025 | | ME0026 | | ME0027 | | ME0019D | | ME0019S | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X104 | | X112 | | X113 | | X109 | | X109 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | |
| Time Sampled : | 13:55 | | 16:30 | | 16:30 | | 11:15 | | 11:15 | |
| %Solids . | 87.7 | | 78.4 | | 87.9 | | 83.1 | | 82.8 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 12400 | | 16400 | | 7270 | | 16600 | | 17700 | |
| ANTIMONY | 0.93 | J | 14.6 | U | 0.63 | J | 13.4 | U | 6.9 | |
| ARSENIC | 9.4 | | 21.1 | | 7.5 | | 15.7 | | 25.6 | |
| BARIUM | 48.7 | | 86.8 | | 21.6 | | 79.8 | | 500 | |
| BERYLLIUM | 0.64 | | 0.89 | | 0.39 | | 0.89 | | 10.8 | |
| CADMIUM | 0.60 | | 0.75 | | 0.53 | | 0.71 | | 10.8 | |
| CALCIUM | 61300 | | 2880 | | 91800 | | 21800 | | 20000 | |
| CHROMIUM | 19.4 | | 23.7 | | 12.0 | | 25.2 | | 65.1 | |
| COBALT | 11.5 | | 12.1 | | 7.9 | | 15.7 | | 117 | |
| COPPER | 25.7 | | 48.4 | | 28.2 | | 37.7 | | 91.2 | |
| IRON | 20900 | | 36100 | | 16100 | | 30100 | | 31100 | |
| LEAD | 14.4 | | 29.7 | | 11.8 | | 23.7 | | 29.0 | |
| MAGNESIUM | 31700 | | 4050 | | 51300 | | 17100 | | 16000 | |
| MANGANESE | 428 | | 1020 | | 443 | | 498 | | 624 | |
| MERCURY | 0.11 | U | 0.070 | | 0.11 | U | 0.060 | | 0.71 | |
| NICKEL | 27.2 | | 37.5 | | 18.2 | | 49.9 | | 151 | |
| POTASSIUM | 4450 | | 2740 | | 2590 | | 3690 | | 3780 | |
| SELENIUM | 7.8 | U | 8.5 | U | 7.4 | U | 7.8 | U | 8.7 | |
| SILVER | 2.2 | U | 2.4 | U | 2.1 | U | 2.2 | U | 10.2 | |
| SODIUM | 209 | | 210 | | 247 | | 125 | | 185 | |
| THALLIUM | 2.1 | | 3.2 | | 1.8 | | 2.8 | | 13.0 | |
| VANADIUM | 24.1 | | 33.9 | | 15.2 | | 30.4 | | 126 | |
| ZINC | 58.5 | | 136 | | 50.7 | | 82.9 | | 182 | |
| CYANIDE | 0.050 | | 0.080 | | 0.060 | | 0.050 | | 6.0 | |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : ME0015
Site ARGONNE PLOT M
Lab. : BONNER
Reviewer :
Date

| Sample Number : | ME0020D | | ME0020S | | ME0026D | | ME0026S | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X110 | | X110 | | X112 | | X112 | | | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | | |
| Units : | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | | |
| Date Sampled : | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | 04/09/2003 | | | |
| Time Sampled : | 11:15 | | 11:15 | | 16:30 | | 16:30 | | | |
| %Solids : | 83.7 | | 83.7 | | 78.7 | | 78.4 | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 15400 | | 16900 | | 15700 | | 16700 | | | |
| ANTIMONY | 13.7 | U | 8.1 | | 0.62 | | 7.3 | | | |
| ARSENIC | 13.1 | | 21.8 | | 20.3 | | 29.4 | | | |
| BARIUM | 76.1 | | 511 | | 84.7 | | 521 | | | |
| BERYLLIUM | 0.88 | | 11.3 | | 0.86 | | 11.3 | | | |
| CADMIUM | 0.58 | | 11.2 | | 0.77 | | 11.5 | | | |
| CALCIUM | 19600 | | 21000 | | 2760 | | 2810 | | | |
| CHROMIUM | 24.3 | | 66.7 | | 22.9 | | 65.3 | | | |
| COBALT | 15.2 | | 121 | | 11.7 | | 119 | | | |
| COPPER | 37.3 | | 92.3 | | 47.0 | | 103 | | | |
| IRON | 27400 | | 27700 | | 35300 | | | | | |
| LEAD | 23.5 | | 26.8 | | 29.2 | | 34.5 | | | |
| MAGNESIUM | 15800 | | 16400 | | 3870 | | 4070 | | | |
| MANGANESE | 477 | | 584 | | 991 | | 1120 | | | |
| MERCURY | 0.070 | | 0.71 | | 0.060 | | 0.78 | | | |
| NICKEL | 42.7 | | 148 | | 36.9 | | 144 | | | |
| POTASSIUM | 3380 | | 3720 | | 2590 | | 2640 | | | |
| SELENIUM | 8.0 | U | 9.9 | | 8.8 | U | 9.0 | | | |
| SILVER | 2.3 | U | 10.6 | | 2.5 | U | 10.7 | | | |
| SODIUM | 127 | | 192 | | 222 | | 267 | | | |
| THALLIUM | 2.2 | | 13.1 | | 3.3 | | 14.5 | | | |
| VANADIUM | 27.0 | | 129 | | 32.8 | | 135 | | | |
| ZINC | 81.1 | | 182 | | 133 | | 237 | | | |
| CYANIDE | 0.070 | | 6.1 | | 0.050 | | 6.9 | | | |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

# USEPA Contract Laboratory Program
# Inorganic Traffic Report & Chain of Custody Record

EPA

| | |
|---|---|
| Case No: | 31584 |
| DAS No: | |
| SDG No: | ME0015 |

L

| | |
|---|---|
| Date Shipped: | ~~4/9/03~~ 4/11/03 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210022653 |
| Shipped to: | |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 [illegible] | 4/11/03 1000 | [illegible] | 4-14-03/0830 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

Sampler Signature:

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W02067 |
| Unit Price: | $72.00 |
| Transfer To: | |
| Lab Contract No: | |
| Unit Price: | |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | ORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| ME0015 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279907 (Ice Only) (1) | X105 | S: 4/9/03 | 12:50 | E0015 | good |
| ME0016 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279911 (Ice Only) (1) | X106 | S: 4/9/03 | 12:50 | E0016 | |
| ME0017 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279915 (Ice Only) (1) | X107 | S: 4/9/03 | 9:50 | E0017 | |
| ME0018 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279919 (Ice Only) (1) | X108 | S: 4/9/03 | 9:50 | E0018 | |
| ME0019 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279923 (Ice Only) (1) | X109 | S: 4/9/03 | 11:15 | E0019 | |
| ME0020 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279927 (Ice Only) (1) | X110 | S: 4/9/03 | 11:15 | E0020 | |
| ME0021 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279931 (Ice Only) (1) | X111 | S: 4/9/03 | 11:15 | E0021 | |
| ME0022 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279935 (Ice Only) (1) | X101 | S: 4/9/03 | 14:45 | E0022 | |
| ME0023 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279939 (Ice Only) (1) | X102 | S: 4/9/03 | 14:45 | E0023 | |
| ME0024 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279943 (Ice Only) (1) | X103 | S: 4/9/03 | 13:55 | E0024 | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: ME0019, ME0020, ME0026 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 1.8°C | Chain of Custody Seal Number: 81185 |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? Y / Shipment Iced? Y |

TM/CN = CLP TAL Total Metals and Cyanide

**TR Number: 5-414630194-041103-0004**

**LABORATORY COPY**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 703/264-9348 Fax 703/264-9222



002

# USEPA Contract Laboratory Program
# Inorganic Traffic Report & Chain of Custody Record

| | |
|---|---|
| Case No: | 31584 |
| DAS No: | |
| SDG No: | ME0015 |

L

| | |
|---|---|
| Date Shipped: | ~~4/9/03~~ 4/11/03 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210022653 |
| Shipped to: | |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 [illegible] | 4/11/03 1000 | [illegible] | 4-14-03 / 0830 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

Sampler Signature:

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W02067 |
| Unit Price: | $72.00 |
| Transfer To: | |
| Lab Contract No: | |
| Unit Price: | |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | ORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| ME0025 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279947 (Ice Only) (1) | X104 | S: 4/9/03 | 13:55 | E0025 | good |
| ME0026 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-28003 (Ice Only) (1) | X112 | S: 4/9/03 | 16:30 | E0026 | |
| ME0027 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-28007 (Ice Only) (1) | X113 | S: 4/9/03 | 16:30 | E0027 | |

003

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: ME0019, ME0020, ME0026 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 1.8°C | Chain of Custody Seal Number: 81185 |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? Y / Shipment Iced? Y |

TM/CN = CLP TAL Total Metals and Cyanide

**TR Number: 5-414630194-041103-0004**

**LABORATORY COPY**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 703/264-9348 Fax 703/264-9222

# BONNER ANALYTICAL TESTING COMPANY

2703 OAK GROVE ROAD, HATTIESBURG, MS 39402
PHONE: (601) 264-2854 FAX: (601) 268-7084

## SDG NARRATIVE:

**SDG Number: ME0015**
**Case Number: 31584**
**Contract Number: 68W02067**

Sample Receipt:

Samples were received at BATCO on 04/14/03 by FedEx and processed by the Sample Custodian. See email pages 181 through 200, for discrepancies found during sample receiving.

The following discrepancies were found:

1. Scheduling Notification stated 24 soil samples for ICP Metals/CN/HG, shipping summary listed 27 and Bonner received 27 samples.

   Resolution: Analysis of the samples was continued and the discrepancy has been noted here in this SDG Narrative.

2. Soil sample ME0026, the sample tag and label indicated the time collected as 1115 hrs, but TR/COC listed the time as 1630 hrs (the same time as sample ME0027).

   Resolution: Analysis of the sample was continued and the discrepancy has been noted here in this SDG Narrative.

ICP-AES Metals

The analytical run for ICP Metals was started on 04/21/03 at 1236 hrs. Antimony failed on the Matrix Spike Samples of ME0019S, ME0020S, and ME0026S. Manganese fell above the linear range of the instrument for sample ME0017, and Iron fell above the linear range of the instrument for sample ME0024. Corrective Action called for 1) Post Digestion Analytical Spike for the parent samples ME0019, ME0020, and ME0026 for antimony at twice the CRQL level, 2) dilution of ME0017 of 1:2, 3) dilution of ME0024 of 1:2. See CAF on page 201.

CV-AA Mercury

The initial analytical run was attempted for the analysis of mercury on 04/25/03. Calibration Standards S1 and S2 were out of range at 0.844 and 2.21, respectively. The instrument was to be re-calibrated on that day, however, the analyst ran out of standards. The SDG was re-digested and set for a second analytical run on 04/28/03 at 1337 hrs. After re-calibration of the instrument, the run was successful and the data was reported. See CAF on Page 202.

Cyanides

No Discrepancies

CSF

No Discrepancies

Authorized by_____
Steve Flowers
Quality Assurance Officer

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MAY 0 6 2003 004

# COVER PAGE

L. Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No: 31584 NRAS No.: _____ SDG No: ME0015

SOW No.: ILM05.2

| EPA Sample No. | Lab Sample ID |
|---|---|
| ME0015 | BT83333 |
| ME0016 | BT83334 |
| ME0017 | BT83335 |
| ME0018 | BT83336 |
| ME0019 | BT83337 |
| ME0019D | BT83337D |
| ME0019S | BT83337S |
| ME0020 | BT83338 |
| ME0020D | BT83338D |
| ME0020S | BT83338S |
| ME0021 | BT83339 |
| ME0022 | BT83340 |
| ME0023 | BT83341 |
| ME0024 | BT83342 |
| ME0025 | BT83343 |
| ME0026 | BT83344 |
| ME0026D | BT83344D |
| ME0026S | BT83344S |
| ME0027 | BT83345 |

| | | ICP-AES | ICP-MS |
|---|---|---|---|
| Were ICP-AES and ICP-MS interelement corrections applied? | (Yes/No) | YES | YES |
| Were ICP-AES and ICP-MS background corrections applied? | (Yes/No) | YES | YES |
| If yes, were raw data generated before application of background corrections? | (Yes/No) | NO | NO |

Comments: Iron concentrations are estimated due to possible interferences.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Christopher M. Bonner

Date: 5/1/03 Title: Inorganic Laboratory Manager

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1A-IN

# INORGANIC ANALYSIS DATA SHEET



EPA SAMPLE NO.

ME0015

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water): SOIL Lab Sample ID: BT83333

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 83.8

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 17600 | | | P |
| 7440-36-0 | Antimony | 14.0 | U | N | P |
| 7440-38-2 | Arsenic | 13.8 | | | P |
| 7440-39-3 | Barium | 64.7 | | | P |
| 7440-41-7 | Beryllium | 1.1 | J | | P |
| 7440-43-9 | Cadmium | 0.46 | J | | P |
| 7440-70-2 | Calcium | 1780 | | | P |
| 7440-47-3 | Chromium | 27.2 | | | P |
| 7440-48-4 | Cobalt | 26.4 | | | P |
| 7440-50-8 | Copper | 39.5 | | | P |
| 7439-89-6 | Iron | 30400 | | E | P |
| 7439-92-1 | Lead | 28.7 | | | P |
| 7439-95-4 | Magnesium | 5830 | | | P |
| 7439-96-5 | Manganese | 556 | | | P |
| 7439-97-6 | Mercury | 0.054 | J | | CV |
| 7440-02-0 | Nickel | 42.9 | | | P |
| 7440-09-7 | Potassium | 3340 | | | P |
| 7782-49-2 | Selenium | 8.2 | U | | P |
| 7440-22-4 | Silver | 2.3 | U | | P |
| 7440-23-5 | Sodium | 105 | J | | P |
| 7440-28-0 | Thallium | 2.7 | J | | P |
| 7440-62-2 | Vanadium | 29.9 | | | P |
| 7440-66-6 | Zinc | 87.5 | | | P |
| 57-12-5 | Cyanide | 0.07 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Small Rocks

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1A-IN

# INORGANIC ANALYSIS DATA SHEET

008

EPA SAMPLE NO.

ME0016

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.:  SDG NO.: ME0015

Matrix (soil/water): SOIL  Lab Sample ID: BT83334

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 86.4

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 10200 | | | P |
| 7440-36-0 | Antimony | 0.79 | J | N | P |
| 7440-38-2 | Arsenic | 10.0 | | | P |
| 7440-39-3 | Barium | 38.6 | J | | P |
| 7440-41-7 | Beryllium | 0.57 | J | | P |
| 7440-43-9 | Cadmium | 0.67 | J | | P |
| 7440-70-2 | Calcium | 74400 | | | P |
| 7440-47-3 | Chromium | 16.9 | | | P |
| 7440-48-4 | Cobalt | 11.3 | J | | P |
| 7440-50-8 | Copper | 27.7 | | | P |
| 7439-89-6 | Iron | 20400 | | E | P |
| 7439-92-1 | Lead | 16.5 | | | P |
| 7439-95-4 | Magnesium | 31000 | | | P |
| 7439-96-5 | Manganese | 451 | | | P |
| 7439-97-6 | Mercury | 0.12 | U | | CV |
| 7440-02-0 | Nickel | 27.1 | | | P |
| 7440-09-7 | Potassium | 3350 | | | P |
| 7782-49-2 | Selenium | 8.0 | U | | P |
| 7440-22-4 | Silver | 2.3 | U | | P |
| 7440-23-5 | Sodium | 154 | J | | P |
| 7440-28-0 | Thallium | 2.0 | J | | P |
| 7440-62-2 | Vanadium | 18.9 | | | P |
| 7440-66-6 | Zinc | 70.6 | | | P |
| 57-12-5 | Cyanide | 0.08 | J | | AS |

Color Before: Brown  Clarity Before:  Texture: Medium

Color After: Yellow  Clarity After:  Artifacts: Yes

Comments: Small Rocks

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1A-IN

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0017

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water): SOIL Lab Sample ID: BT83335

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 81.0

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 18400 | | | P |
| 7440-36-0 | Antimony | 14.4 | U | N | P |
| 7440-38-2 | Arsenic | 10.7 | | | P |
| 7440-39-3 | Barium | 81.5 | | | P |
| 7440-41-7 | Beryllium | 0.90 | J | | P |
| 7440-43-9 | Cadmium | 0.34 | J | | P |
| 7440-70-2 | Calcium | 1820 | | | P |
| 7440-47-3 | Chromium | 26.6 | | | P |
| 7440-48-4 | Cobalt | 25.9 | | | P |
| 7440-50-8 | Copper | 25.9 | | | P |
| 7439-89-6 | Iron | 27100 | | E | P |
| 7439-92-1 | Lead | 31.3 | | | P |
| 7439-95-4 | Magnesium | 5000 | | | P |
| 7439-96-5 | Manganese | 1260 | | | P |
| 7439-97-6 | Mercury | 0.070 | J | | CV |
| 7440-02-0 | Nickel | 24.5 | | | P |
| 7440-09-7 | Potassium | 2620 | | | P |
| 7782-49-2 | Selenium | 8.4 | U | | P |
| 7440-22-4 | Silver | 0.10 | J | | P |
| 7440-23-5 | Sodium | 84.1 | J | | P |
| 7440-28-0 | Thallium | 3.4 | J | | P |
| 7440-62-2 | Vanadium | 34.3 | | | P |
| 7440-66-6 | Zinc | 60.8 | | | P |
| 57-12-5 | Cyanide | 0.14 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Small Rocks

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1A-IN

# INORGANIC ANALYSIS DATA SHEET



EPA SAMPLE NO.

ME0018

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water): SOIL Lab Sample ID: BT83336

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 90.1

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 5840 | | | P |
| 7440-36-0 | Antimony | 0.63 | J | N | P |
| 7440-38-2 | Arsenic | 8.0 | | | P |
| 7440-39-3 | Barium | 15.0 | J | | P |
| 7440-41-7 | Beryllium | 0.36 | J | | P |
| 7440-43-9 | Cadmium | 0.54 | J | | P |
| 7440-70-2 | Calcium | 67500 | | | P |
| 7440-47-3 | Chromium | 10.9 | | | P |
| 7440-48-4 | Cobalt | 7.6 | J | | P |
| 7440-50-8 | Copper | 28.3 | | | P |
| 7439-89-6 | Iron | 17800 | | E | P |
| 7439-92-1 | Lead | 17.6 | | | P |
| 7439-95-4 | Magnesium | 39300 | | | P |
| 7439-96-5 | Manganese | 479 | | | P |
| 7439-97-6 | Mercury | 0.033 | J | | CV |
| 7440-02-0 | Nickel | 19.0 | | | P |
| 7440-09-7 | Potassium | 2260 | | | P |
| 7782-49-2 | Selenium | 7.0 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 143 | J | | P |
| 7440-28-0 | Thallium | 2.3 | J | | P |
| 7440-62-2 | Vanadium | 12.9 | | | P |
| 7440-66-6 | Zinc | 83.1 | | | P |
| 57-12-5 | Cyanide | 0.03 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Small Rocks

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1A-IN

# INORGANIC ANALYSIS DATA SHEET

011

EPA SAMPLE NO.

ME0019

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water): SOIL Lab Sample ID: BT83337

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 82.8

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15300 | | | P |
| 7440-36-0 | Antimony | 0.55 | J | N | P |
| 7440-38-2 | Arsenic | 16.6 | | | P |
| 7440-39-3 | Barium | 77.6 | | | P |
| 7440-41-7 | Beryllium | 0.83 | J | | P |
| 7440-43-9 | Cadmium | 0.73 | J | | P |
| 7440-70-2 | Calcium | 21300 | | | P |
| 7440-47-3 | Chromium | 23.4 | | | P |
| 7440-48-4 | Cobalt | 15.8 | | | P |
| 7440-50-8 | Copper | 37.8 | | | P |
| 7439-89-6 | Iron | 30500 | | E | P |
| 7439-92-1 | Lead | 24.0 | | | P |
| 7439-95-4 | Magnesium | 16500 | | | P |
| 7439-96-5 | Manganese | 512 | | | P |
| 7439-97-6 | Mercury | 0.062 | J | | CV |
| 7440-02-0 | Nickel | 49.6 | | | P |
| 7440-09-7 | Potassium | 3110 | | | P |
| 7782-49-2 | Selenium | 7.6 | U | | P |
| 7440-22-4 | Silver | 2.2 | U | | P |
| 7440-23-5 | Sodium | 120 | J | | P |
| 7440-28-0 | Thallium | 2.8 | J | | P |
| 7440-62-2 | Vanadium | 26.7 | | | P |
| 7440-66-6 | Zinc | 82.7 | | | P |
| 57-12-5 | Cyanide | 0.02 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Small Rocks

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1A-IN

# INORGANIC ANALYSIS DATA SHEET



EPA SAMPLE NO.

ME0020

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water): SOIL Lab Sample ID: BT83338

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 83.7

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 16400 | | | P |
| 7440-36-0 | Antimony | 13.7 | U | N | P |
| 7440-38-2 | Arsenic | 13.3 | | | P |
| 7440-39-3 | Barium | 79.0 | | | P |
| 7440-41-7 | Beryllium | 0.90 | J | | P |
| 7440-43-9 | Cadmium | 0.65 | J | | P |
| 7440-70-2 | Calcium | 19500 | | | P |
| 7440-47-3 | Chromium | 25.1 | | | P |
| 7440-48-4 | Cobalt | 15.4 | | | P |
| 7440-50-8 | Copper | 37.8 | | | P |
| 7439-89-6 | Iron | 28300 | | E | P |
| 7439-92-1 | Lead | 24.0 | | | P |
| 7439-95-4 | Magnesium | 15500 | | | P |
| 7439-96-5 | Manganese | 489 | | | P |
| 7439-97-6 | Mercury | 0.062 | J | | CV |
| 7440-02-0 | Nickel | 43.6 | | | P |
| 7440-09-7 | Potassium | 3490 | | | P |
| 7782-49-2 | Selenium | 8.0 | U | | P |
| 7440-22-4 | Silver | 2.3 | U | | P |
| 7440-23-5 | Sodium | 126 | J | | P |
| 7440-28-0 | Thallium | 2.7 | J | | P |
| 7440-62-2 | Vanadium | 28.1 | | | P |
| 7440-66-6 | Zinc | 82.4 | | | P |
| 57-12-5 | Cyanide | 0.04 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Small Rocks

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1A-IN

# INORGANIC ANALYSIS DATA SHEET



EPA SAMPLE NO.

ME0021

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.:  SDG NO.: ME0015

Matrix (soil/water): SOIL  Lab Sample ID: BT83339

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 88.4

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 9900 | | | P |
| 7440-36-0 | Antimony | 12.3 | U | N | P |
| 7440-38-2 | Arsenic | 9.3 | | | P |
| 7440-39-3 | Barium | 33.5 | J | | P |
| 7440-41-7 | Beryllium | 0.52 | J | | P |
| 7440-43-9 | Cadmium | 0.60 | J | | P |
| 7440-70-2 | Calcium | 72400 | | | P |
| 7440-47-3 | Chromium | 15.7 | | | P |
| 7440-48-4 | Cobalt | 10.4 | | | P |
| 7440-50-8 | Copper | 27.3 | | | P |
| 7439-89-6 | Iron | 19500 | | E | P |
| 7439-92-1 | Lead | 13.8 | | | P |
| 7439-95-4 | Magnesium | 40500 | | | P |
| 7439-96-5 | Manganese | 430 | | | P |
| 7439-97-6 | Mercury | 0.053 | J | | CV |
| 7440-02-0 | Nickel | 25.4 | | | P |
| 7440-09-7 | Potassium | 3490 | | | P |
| 7782-49-2 | Selenium | 7.2 | U | | P |
| 7440-22-4 | Silver | 2.1 | U | | P |
| 7440-23-5 | Sodium | 181 | J | | P |
| 7440-28-0 | Thallium | 1.6 | J | | P |
| 7440-62-2 | Vanadium | 20.2 | | | P |
| 7440-66-6 | Zinc | 62.4 | | | P |
| 57-12-5 | Cyanide | 0.06 | J | | AS |

Color Before: Brown  Clarity Before:  Texture: Medium

Color After: Yellow  Clarity After:  Artifacts: Yes

Comments: Small Rocks

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1A-IN

# INORGANIC ANALYSIS DATA SHEET



EPA SAMPLE NO.

ME0022

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.:  SDG NO.: ME0015

Matrix (soil/water): SOIL  Lab Sample ID: BT83340

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 88.0

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 13900 | | | P |
| 7440-36-0 | Antimony | 0.73 | J | N | P |
| 7440-38-2 | Arsenic | 8.5 | | | P |
| 7440-39-3 | Barium | 66.5 | | | P |
| 7440-41-7 | Beryllium | 0.76 | J | | P |
| 7440-43-9 | Cadmium | 0.46 | J | | P |
| 7440-70-2 | Calcium | 52500 | | | P |
| 7440-47-3 | Chromium | 22.1 | | | P |
| 7440-48-4 | Cobalt | 13.3 | | | P |
| 7440-50-8 | Copper | 26.1 | | | P |
| 7439-89-6 | Iron | 22600 | | E | P |
| 7439-92-1 | Lead | 17.3 | | | P |
| 7439-95-4 | Magnesium | 24200 | | | P |
| 7439-96-5 | Manganese | 424 | | | P |
| 7439-97-6 | Mercury | 0.045 | J | | CV |
| 7440-02-0 | Nickel | 34.6 | | | P |
| 7440-09-7 | Potassium | 3990 | | | P |
| 7782-49-2 | Selenium | 8.0 | U | | P |
| 7440-22-4 | Silver | 2.3 | U | | P |
| 7440-23-5 | Sodium | 164 | J | | P |
| 7440-28-0 | Thallium | 1.8 | J | | P |
| 7440-62-2 | Vanadium | 23.7 | | | P |
| 7440-66-6 | Zinc | 60.7 | | | P |
| 57-12-5 | Cyanide | 0.06 | J | | AS |

Color Before: Brown  Clarity Before:  Texture: Medium

Color After: Yellow  Clarity After:  Artifacts: Yes

Comments: Small Rocks

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1A-IN

# INORGANIC ANALYSIS DATA SHEET



EPA SAMPLE NO.

ME0023

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water): SOIL Lab Sample ID: BT83341

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 88.3

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 7810 | | | P |
| 7440-36-0 | Antimony | 0.87 | J | N | P |
| 7440-38-2 | Arsenic | 5.1 | | | P |
| 7440-39-3 | Barium | 28.8 | J | | P |
| 7440-41-7 | Beryllium | 0.46 | J | | P |
| 7440-43-9 | Cadmium | 0.53 | J | | P |
| 7440-70-2 | Calcium | 56400 | | | P |
| 7440-47-3 | Chromium | 13.0 | | | P |
| 7440-48-4 | Cobalt | 8.4 | J | | P |
| 7440-50-8 | Copper | 27.4 | | | P |
| 7439-89-6 | Iron | 15700 | | E | P |
| 7439-92-1 | Lead | 15.8 | | | P |
| 7439-95-4 | Magnesium | 32600 | | | P |
| 7439-96-5 | Manganese | 518 | | | P |
| 7439-97-6 | Mercury | 0.066 | J | | CV |
| 7440-02-0 | Nickel | 22.0 | | | P |
| 7440-09-7 | Potassium | 2660 | | | P |
| 7782-49-2 | Selenium | 7.3 | U | | P |
| 7440-22-4 | Silver | 2.1 | U | | P |
| 7440-23-5 | Sodium | 169 | J | | P |
| 7440-28-0 | Thallium | 1.7 | J | | P |
| 7440-62-2 | Vanadium | 17.1 | | | P |
| 7440-66-6 | Zinc | 76.5 | | | P |
| 57-12-5 | Cyanide | 0.04 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Small Rocks

# 1A-IN
# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0024

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0015

Matrix (soil/water): SOIL  Lab Sample ID: BT83342

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 79.1

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 28000 | | | P |
| 7440-36-0 | Antimony | 0.81 | J | N | P |
| 7440-38-2 | Arsenic | 11.6 | | | P |
| 7440-39-3 | Barium | 84.5 | | | P |
| 7440-41-7 | Beryllium | 0.96 | J | | P |
| 7440-43-9 | Cadmium | 0.50 | J | | P |
| 7440-70-2 | Calcium | 1620 | | | P |
| 7440-47-3 | Chromium | 33.4 | | | P |
| 7440-48-4 | Cobalt | 10.0 | J | | P |
| 7440-50-8 | Copper | 34.7 | | | P |
| 7439-89-6 | Iron | 35400 | | E | P |
| 7439-92-1 | Lead | 24.2 | | | P |
| 7439-95-4 | Magnesium | 6680 | | | P |
| 7439-96-5 | Manganese | 249 | | | P |
| 7439-97-6 | Mercury | 0.079 | J | | CV |
| 7440-02-0 | Nickel | 29.6 | | | P |
| 7440-09-7 | Potassium | 3790 | | | P |
| 7782-49-2 | Selenium | 0.99 | J | | P |
| 7440-22-4 | Silver | 2.1 | U | | P |
| 7440-23-5 | Sodium | 99.6 | J | | P |
| 7440-28-0 | Thallium | 1.5 | J | | P |
| 7440-62-2 | Vanadium | 43.3 | | | P |
| 7440-66-6 | Zinc | 76.0 | | | P |
| 57-12-5 | Cyanide | 0.04 | J | | AS |

Color Before: Brown  Clarity Before: _____  Texture: Medium

Color After: Yellow  Clarity After: _____  Artifacts: Yes

Comments: Small Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0025

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water): SOIL Lab Sample ID: BT83343

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 87.7

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 12400 | | | P |
| 7440-36-0 | Antimony | 0.93 | J | N | P |
| 7440-38-2 | Arsenic | 9.4 | | | P |
| 7440-39-3 | Barium | 48.7 | | | P |
| 7440-41-7 | Beryllium | 0.64 | J | | P |
| 7440-43-9 | Cadmium | 0.60 | J | | P |
| 7440-70-2 | Calcium | 61300 | | | P |
| 7440-47-3 | Chromium | 19.4 | | | P |
| 7440-48-4 | Cobalt | 11.5 | | | P |
| 7440-50-8 | Copper | 25.7 | | | P |
| 7439-89-6 | Iron | 20900 | | E | P |
| 7439-92-1 | Lead | 14.4 | | | P |
| 7439-95-4 | Magnesium | 31700 | | | P |
| 7439-96-5 | Manganese | 428 | | | P |
| 7439-97-6 | Mercury | 0.11 | U | | CV |
| 7440-02-0 | Nickel | 27.2 | | | P |
| 7440-09-7 | Potassium | 4450 | | | P |
| 7782-49-2 | Selenium | 7.8 | U | | P |
| 7440-22-4 | Silver | 2.2 | U | | P |
| 7440-23-5 | Sodium | 209 | J | | P |
| 7440-28-0 | Thallium | 2.1 | J | | P |
| 7440-62-2 | Vanadium | 24.1 | | | P |
| 7440-66-6 | Zinc | 58.5 | | | P |
| 57-12-5 | Cyanide | 0.05 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Small Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

018

EPA SAMPLE NO.

ME0026

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water): SOIL Lab Sample ID: BT83344

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 78.4

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 16400 | | | P |
| 7440-36-0 | Antimony | 14.6 | U | N | P |
| 7440-38-2 | Arsenic | 21.1 | | | P |
| 7440-39-3 | Barium | 86.8 | | | P |
| 7440-41-7 | Beryllium | 0.89 | J | | P |
| 7440-43-9 | Cadmium | 0.75 | J | | P |
| 7440-70-2 | Calcium | 2880 | | | P |
| 7440-47-3 | Chromium | 23.7 | | | P |
| 7440-48-4 | Cobalt | 12.1 | J | | P |
| 7440-50-8 | Copper | 48.4 | | | P |
| 7439-89-6 | Iron | 36100 | | E | P |
| 7439-92-1 | Lead | 29.7 | | | P |
| 7439-95-4 | Magnesium | 4050 | | | P |
| 7439-96-5 | Manganese | 1020 | | | P |
| 7439-97-6 | Mercury | 0.068 | J | | CV |
| 7440-02-0 | Nickel | 37.5 | | | P |
| 7440-09-7 | Potassium | 2740 | | | P |
| 7782-49-2 | Selenium | 8.5 | U | | P |
| 7440-22-4 | Silver | 2.4 | U | | P |
| 7440-23-5 | Sodium | 210 | J | | P |
| 7440-28-0 | Thallium | 3.2 | J | | P |
| 7440-62-2 | Vanadium | 33.9 | | | P |
| 7440-66-6 | Zinc | 136 | | | P |
| 57-12-5 | Cyanide | 0.08 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Small Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0027

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water): SOIL Lab Sample ID: BT83345

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 87.9

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 7270 | | | P |
| 7440-36-0 | Antimony | 0.63 | J | N | P |
| 7440-38-2 | Arsenic | 7.5 | | | P |
| 7440-39-3 | Barium | 21.6 | J | | P |
| 7440-41-7 | Beryllium | 0.39 | J | | P |
| 7440-43-9 | Cadmium | 0.53 | J | | P |
| 7440-70-2 | Calcium | 91800 | | | P |
| 7440-47-3 | Chromium | 12.0 | | | P |
| 7440-48-4 | Cobalt | 7.9 | J | | P |
| 7440-50-8 | Copper | 28.2 | | | P |
| 7439-89-6 | Iron | 16100 | | E | P |
| 7439-92-1 | Lead | 11.8 | | | P |
| 7439-95-4 | Magnesium | 51300 | | | P |
| 7439-96-5 | Manganese | 443 | | | P |
| 7439-97-6 | Mercury | 0.11 | U | | CV |
| 7440-02-0 | Nickel | 18.2 | | | P |
| 7440-09-7 | Potassium | 2590 | | | P |
| 7782-49-2 | Selenium | 7.4 | U | | P |
| 7440-22-4 | Silver | 2.1 | U | | P |
| 7440-23-5 | Sodium | 247 | J | | P |
| 7440-28-0 | Thallium | 1.8 | J | | P |
| 7440-62-2 | Vanadium | 15.2 | | | P |
| 7440-66-6 | Zinc | 50.7 | | | P |
| 57-12-5 | Cyanide | 0.06 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Small Rocks

# USEPA - CLP
## 3-IN
## BLANKS

Lab Name: Bonner Analytical Testing Comp Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calibration Blank (ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | | 200.0 | U | 200.0 | U | | | | | P |
| Antimony | | | 9.3 | J | 60.0 | U | | | | | P |
| Arsenic | | | 15.0 | U | 3.6 | J | | | | | P |
| Barium | | | -2.0 | J | -2.4 | J | | | | | P |
| Beryllium | | | 5.00 | U | 5.00 | U | | | | | P |
| Cadmium | | | 5.0 | U | 5.0 | U | | | | | P |
| Calcium | | | 36.7 | J | 34.8 | J | | | | | P |
| Chromium | | | 10.0 | U | 10.0 | U | | | | | P |
| Cobalt | | | -0.7 | J | 50.0 | U | | | | | P |
| Copper | | | 25.0 | U | 25.0 | U | | | | | P |
| [illegible]n | | | 100.0 | U | 100.0 | U | | | | | P |
| Lead | | | 10.0 | U | 10.0 | U | | | | | P |
| Magnesium | | | 9.6 | J | 6.6 | J | | | | | P |
| Manganese | | | -0.4 | J | -0.5 | J | | | | | P |
| Mercury | | | 0.2 | U | | | | | | | CV |
| Nickel | | | 40.0 | U | 1.1 | J | | | | | P |
| Potassium | | | 5000.0 | U | 5000.0 | U | | | | | P |
| Selenium | | | 35.0 | U | 35.0 | U | | | | | P |
| Silver | | | 10.0 | U | 10.0 | U | | | | | P |
| Sodium | | | 5000.0 | U | 5000.0 | U | | | | | P |
| Thallium | | | 25.0 | U | 25.0 | U | | | | | P |
| Vanadium | | | 50.0 | U | 50.0 | U | | | | | P |
| Zinc | | | 60.0 | U | 60.0 | U | | | | | P |
| Cyanide | | | 10.0 | U | | | | | | | AS |

# USEPA - CLP
## 3-IN
## BLANKS

Lab Name: Bonner Analytical Testing Comp Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calibration Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Aluminum | 200.0 | U | 200.0 | U | 15.3 | J | 200.0 | U | 40.000 | U | P |
| Antimony | 5.5 | J | 4.9 | J | 13.5 | J | 8.5 | J | 1.007 | J | P |
| Arsenic | 3.5 | J | 3.3 | J | 3.9 | J | 2.9 | J | -0.653 | J | P |
| Barium | -2.6 | J | -2.3 | J | -1.1 | J | -2.0 | J | -0.343 | J | P |
| Beryllium | 5.00 | U | 5.00 | U | 0.05 | J | 5.00 | U | 1.000 | U | P |
| Cadmium | 5.0 | U | 5.0 | U | 5.0 | U | 5.0 | U | -0.065 | J | P |
| Calcium | 5000.0 | U | 5000.0 | U | 40.5 | J | 34.5 | J | 2.912 | J | P |
| Chromium | 10.0 | U | 10.0 | U | 10.0 | U | 0.7 | J | 0.067 | J | P |
| Cobalt | -0.5 | J | -0.7 | J | 50.0 | U | -0.5 | J | -0.091 | J | P |
| Copper | 25.0 | U | 25.0 | U | 25.0 | U | 25.0 | U | 5.000 | U | P |
| Iron | 100.0 | U | 100.0 | U | 22.3 | J | 100.0 | U | 20.000 | U | P |
| Lead | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U | 2.000 | U | P |
| Magnesium | 5000.0 | U | 4.9 | J | 14.7 | J | 7.0 | J | 0.543 | J | P |
| Manganese | -0.7 | J | -0.7 | J | 15.0 | U | -0.4 | J | 0.134 | J | P |
| Mercury | 0.2 | U | 0.2 | U | 0.2 | U | 0.2 | U | 0.100 | U | CV |
| Nickel | 40.0 | U | 40.0 | U | 40.0 | U | 0.8 | J | 0.187 | J | P |
| Potassium | 5000.0 | U | 5000.0 | U | 7.0 | J | 5000.0 | U | 1.215 | J | P |
| Selenium | 35.0 | U | 35.0 | U | 35.0 | U | 35.0 | U | 7.000 | U | P |
| Silver | 0.5 | J | 10.0 | U | 10.0 | U | 10.0 | U | 0.059 | J | P |
| Sodium | 5000.0 | U | 5000.0 | U | 5000.0 | U | 5000.0 | U | 51.478 | J | P |
| Thallium | 25.0 | U | 25.0 | U | 25.0 | U | 25.0 | U | 5.000 | U | P |
| Vanadium | 50.0 | U | 50.0 | U | 50.0 | U | 50.0 | U | 10.000 | U | P |
| Zinc | 60.0 | U | 60.0 | U | 60.0 | U | 60.0 | U | 0.535 | J | P |
| Cyanide | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U | 0.061 | J | AS |

USEPA - CLP

4A-IN



# ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

ICP-AES Instrument ID: Spectro Ciros01 ICS Source: EPA

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol.A | Sol AB | Sol.A | %R | Sol AB | %R | Sol.A | %R | Sol.AB | %R |
| Aluminum | 250000 | 250000 | 264088 | 106 | 260083.0 | 104 | 264791 | 106 | 266322.0 | 107 |
| Antimony | 0 | 600 | 2 | | 601.1 | 100 | 1 | | 601.9 | 100 |
| Arsenic | 0 | 100 | -2 | | 103.8 | 104 | -3 | | 102.3 | 102 |
| Barium | 0 | 500 | -1 | | 504.8 | 101 | -1 | | 508.8 | 102 |
| Beryllium | 0 | 500 | 0 | | 498.9 | 100 | 0 | | 502.5 | 100 |
| Cadmium | 0 | 1000 | 1 | | 964.5 | 96 | 1 | | 962.8 | 96 |
| Calcium | 250000 | 250000 | 245515 | 98 | 245201.0 | 98 | 245024 | 98 | 246459.0 | 99 |
| Chromium | 0 | 500 | -1 | | 492.5 | 98 | -1 | | 496.1 | 99 |
| Cobalt | 0 | 500 | 0 | | 491.4 | 98 | 1 | | 491.1 | 98 |
| Copper | 0 | 500 | 8 | | 517.2 | 103 | 8 | | 521.4 | 104 |
| Iron | 100000 | 100000 | 94902 | 95 | 94469.4 | 94 | 93683 | 94 | 95436.2 | 95 |
| Lead | 0 | 50 | 2 | | 53.2 | 106 | 3 | | 53.1 | 106 |
| Magnesium | 250000 | 250000 | 253107 | 101 | 252532.0 | 101 | 251433 | 101 | 252208.0 | 101 |
| Manganese | 0 | 500 | 4 | | 504.3 | 101 | 5 | | 505.9 | 101 |
| Nickel | 0 | 1000 | 0 | | 969.6 | 97 | -1 | | 969.4 | 97 |
| Potassium | 0 | | 1 | | 0.3 | | 5 | | 2.2 | |
| Selenium | 0 | 50 | -2 | | 58.3 | 117 | -6 | | 50.8 | 102 |
| Silver | 0 | 200 | 0 | | 214.0 | 107 | 0 | | 215.9 | 108 |
| Sodium | 0 | | -218 | | 429.5 | | -95 | | 362.9 | |
| Thallium | 0 | 100 | 0 | | 99.6 | 100 | -4 | | 96.6 | 97 |
| Vanadium | 0 | 500 | -2 | | 486.3 | 97 | -2 | | 489.5 | 98 |
| Zinc | 0 | 1000 | -2 | | 980.7 | 98 | -1 | | 981.9 | 98 |

USEPA - CLP

4A-IN

028

# ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

ICP-AES Instrument ID: Spectro Ciros01 ICS Source: EPA

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol.A | Sol AB | Sol.A | %R | Sol AB | %R | Sol.A | %R | Sol.AB | %R |
| Aluminum | 250000 | 250000 | | | | | 263914 | 106 | 266527.0 | 107 |
| Antimony | 0 | 600 | | | | | 11 | | 601.7 | 100 |
| Arsenic | 0 | 100 | | | | | -6 | | 100.9 | 101 |
| Barium | 0 | 500 | | | | | -2 | | 504.9 | 101 |
| Beryllium | 0 | 500 | | | | | 0 | | 493.9 | 99 |
| Cadmium | 0 | 1000 | | | | | 1 | | 957.2 | 96 |
| Calcium | 250000 | 250000 | | | | | 245152 | 98 | 242843.0 | 97 |
| Chromium | 0 | 500 | | | | | -1 | | 491.6 | 98 |
| Cobalt | 0 | 500 | | | | | 0 | | 491.0 | 98 |
| Copper | 0 | 500 | | | | | 8 | | 519.4 | 104 |
| Iron | 100000 | 100000 | | | | | 94050 | 94 | 94430.3 | 94 |
| Lead | 0 | 50 | | | | | -1 | | 57.3 | 115 |
| Magnesium | 250000 | 250000 | | | | | 250004 | 100 | 249645.0 | 100 |
| Manganese | 0 | 500 | | | | | 4 | | 502.7 | 101 |
| Nickel | 0 | 1000 | | | | | 0 | | 964.1 | 96 |
| Potassium | 0 | | | | | | 2 | | 1.5 | |
| Selenium | 0 | 50 | | | | | -3 | | 55.1 | 110 |
| Silver | 0 | 200 | | | | | 0 | | 215.2 | 108 |
| Sodium | 0 | | | | | | -128 | | 524.3 | |
| Thallium | 0 | 100 | | | | | -2 | | 98.0 | 98 |
| Vanadium | 0 | 500 | | | | | -2 | | 484.5 | 97 |
| Zinc | 0 | 1000 | | | | | -1 | | 978.3 | 98 |

USEPA - CLP

5A-IN

# MATRIX SPIKE SAMPLE RECOVERY

029

EPA SAMPLE NO.

ME0019S

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0015

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 82.8

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

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | 17681.5000 | | 15252.9199 | | 0.00 | 0 | | P |
| Antimony | 75 - 125 | 6.9240 | J | 0.5538 | J | 21.96 | 29 | N | P |
| Arsenic | 75 - 125 | 25.6318 | | 16.6223 | | 8.78 | 103 | | P |
| Barium | 75 - 125 | 499.7939 | | 77.5773 | | 439.17 | 96 | | P |
| Beryllium | 75 - 125 | 10.7858 | | 0.8347 | J | 10.98 | 91 | | P |
| Cadmium | 75 - 125 | 10.7514 | | 0.7280 | J | 10.98 | 91 | | P |
| Calcium | | 20022.3809 | | 21287.9707 | | 0.00 | 0 | | P |
| Chromium | 75 - 125 | 65.1482 | | 23.4361 | | 43.92 | 95 | | P |
| Cobalt | 75 - 125 | 116.6839 | | 15.8424 | | 109.79 | 92 | | P |
| Copper | 75 - 125 | 91.2247 | | 37.8033 | | 54.90 | 97 | | P |
| Iron | | 31116.6406 | | 30498.4707 | | 0.00 | 0 | | P |
| Lead | | 28.9603 | | 24.0500 | | 4.39 | 112 | | P |
| Magnesium | | 16014.1602 | | 16465.8203 | | 0.00 | 0 | | P |
| Manganese | | 624.0986 | | 512.4875 | | 109.79 | 102 | | P |
| Mercury | 75 - 125 | 0.5865 | | 0.0517 | J | 0.50 | 107 | | CV |
| Nickel | 75 - 125 | 150.8691 | | 49.6017 | | 109.79 | 92 | | P |
| Potassium | | 3776.5339 | | 3107.1489 | | 0.00 | 0 | | P |
| Selenium | 75 - 125 | 8.6868 | | 7.6856 | U | 10.98 | 79 | | P |
| Silver | 75 - 125 | 10.1782 | | 2.1959 | U | 10.98 | 93 | | P |
| Sodium | | 184.7915 | J | 119.5893 | J | 0.00 | 0 | | P |
| Thallium | 75 - 125 | 13.0070 | | 2.7967 | J | 10.98 | 93 | | P |
| Vanadium | 75 - 125 | 125.6037 | | 26.6653 | | 109.79 | 90 | | P |
| Zinc | 75 - 125 | 181.5606 | | 82.7261 | | 109.79 | 90 | | P |
| Cyanide | 75 - 125 | 6.0109 | | 0.0223 | J | 6.04 | 99 | | AS |

Comments:

# USEPA - CLP
## 5A-IN
## MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0020S

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0015

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 83.7

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

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | 16924.5898 | | 16387.6094 | | 0.00 | 0 | | P |
| Antimony | 75 - 125 | 8.0777 | J | 13.6542 | U | 22.76 | 35 | N | P |
| Arsenic | 75 - 125 | 21.8357 | | 13.2945 | | 9.10 | 94 | | P |
| Barium | 75 - 125 | 511.1307 | | 78.9795 | | 455.14 | 95 | | P |
| Beryllium | 75 - 125 | 11.2542 | | 0.9006 | J | 11.38 | 91 | | P |
| Cadmium | 75 - 125 | 11.1554 | | 0.6513 | J | 11.38 | 92 | | P |
| Calcium | | 20974.9707 | | 19474.5508 | | 0.00 | 0 | | P |
| Chromium | 75 - 125 | 66.7401 | | 25.1244 | | 45.51 | 91 | | P |
| Cobalt | 75 - 125 | 120.6398 | | 15.4091 | | 113.79 | 92 | | P |
| Copper | 75 - 125 | 92.3235 | | 37.8175 | | 56.89 | 96 | | P |
| Iron | | 27728.4902 | | 28256.5508 | | 0.00 | 0 | | P |
| Lead | | 26.8095 | | 23.9885 | | 4.55 | 62 | | P |
| Magnesium | | 16408.9492 | | 15497.8496 | | 0.00 | 0 | | P |
| Manganese | | 583.8141 | | 488.5123 | | 113.79 | 84 | | P |
| Mercury | 75 - 125 | 0.5955 | | 0.0516 | J | 0.50 | 109 | | CV |
| Nickel | 75 - 125 | 147.6062 | | 43.5711 | | 113.79 | 91 | | P |
| Potassium | | 3715.6030 | | 3494.8931 | | 0.00 | 0 | | P |
| Selenium | 75 - 125 | 9.9172 | | 7.9650 | U | 11.38 | 87 | | P |
| Silver | 75 - 125 | 10.5647 | | 2.2757 | U | 11.38 | 93 | | P |
| Sodium | | 191.9483 | J | 125.9874 | J | 0.00 | 0 | | P |
| Thallium | 75 - 125 | 13.1039 | | 2.6554 | J | 11.38 | 92 | | P |
| Vanadium | 75 - 125 | 128.7457 | | 28.1391 | | 113.79 | 88 | | P |
| Zinc | 75 - 125 | 182.1318 | | 82.3531 | | 113.79 | 88 | | P |
| Cyanide | 75 - 125 | 6.0944 | | 0.0454 | J | 5.97 | 101 | | AS |

Comments:

# USEPA - CLP
## 5A-IN
## MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0026S

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0015

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 78.4

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

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | 16670.8809 | | 16381.2500 | | 0.00 | 0 | | P |
| Antimony | 75 - 125 | 7.2596 | J | 13.6662 | U | 22.78 | 32 | N | P |
| Arsenic | 75 - 125 | 29.3548 | | 21.0702 | | 9.11 | 91 | | P |
| Barium | 75 - 125 | 520.6944 | | 86.7935 | | 455.54 | 95 | | P |
| Beryllium | 75 - 125 | 11.3481 | | 0.8889 | J | 11.39 | 92 | | P |
| Cadmium | 75 - 125 | 11.5073 | | 0.7525 | J | 11.39 | 94 | | P |
| Calcium | | 2806.9700 | | 2878.6650 | | 0.00 | 0 | | P |
| Chromium | 75 - 125 | 65.2706 | | 23.6824 | | 45.55 | 91 | | P |
| Cobalt | 75 - 125 | 119.0599 | | 12.0978 | | 113.88 | 94 | | P |
| Copper | 75 - 125 | 102.6001 | | 48.3749 | | 56.94 | 95 | | P |
| Lead | | 34.4635 | | 29.7304 | | 4.56 | 104 | | P |
| Magnesium | | 4070.6799 | | 4047.8521 | | 0.00 | 0 | | P |
| Manganese | | 1115.9189 | | 1020.1060 | | 113.88 | 84 | | P |
| Mercury | 75 - 125 | 0.6120 | | 0.0534 | J | 0.50 | 112 | | CV |
| Nickel | 75 - 125 | 144.1099 | | 37.5406 | | 113.88 | 94 | | P |
| Potassium | | 2643.7429 | | 2735.0750 | | 0.00 | 0 | | P |
| Selenium | 75 - 125 | 8.9938 | | 7.9719 | U | 11.39 | 79 | | P |
| Silver | 75 - 125 | 10.7309 | | 2.2777 | U | 11.39 | 94 | | P |
| Sodium | | 266.7418 | J | 210.3620 | J | 0.00 | 0 | | P |
| Thallium | 75 - 125 | 14.4839 | | 3.2435 | J | 11.39 | 99 | | P |
| Vanadium | 75 - 125 | 135.3056 | | 33.8518 | | 113.88 | 89 | | P |
| Zinc | 75 - 125 | 236.6686 | | 136.1379 | | 113.88 | 88 | | P |
| Cyanide | 75 - 125 | 6.9458 | | 0.0765 | J | 6.38 | 108 | | AS |

Comments:

# 5B-IN



## POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0019A

Lab Name: Bonner Analytical Testing Compa  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0015

Matrix (soil/water): SOIL  Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | | 215.24 | | 5.09 | J | 240.0 | 88 | | P |

Comments:

# 5B-IN

## POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0020A

Lab Name: Bonner Analytical Testing Compa  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0015

Matrix (soil/water): SOIL  Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | | 213.64 | | 4.70 | U | 240.0 | 89 | | P |

Comments:

USEPA - CLP

5B-IN

034

# POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0026A

Lab Name: Bonner Analytical Testing Compa  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0015

Matrix (soil/water): SOIL  Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | | 214.07 | | 4.70 | U | 240.0 | 89 | | P |

Comments:

Form VB-IN

USEPA - CLP

6-IN

DUPLICATES

035

EPA SAMPLE NO.

ME0019D

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO. ME0015

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 82.8  % Solids for Duplicate: 83.1

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

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|---|---|---|---|---|---|---|---|---|
| Aluminum | | 15252.9199 | | 16614.7207 | | 9 | | P |
| Antimony | | 0.5538 | J | 13.4192 | U | 200 | | P |
| Arsenic | 3.3548 | 16.6223 | | 15.7408 | | 5 | | P |
| Barium | 44.7307 | 77.5773 | | 79.8356 | | 3 | | P |
| Beryllium | | 0.8347 | J | 0.8936 | J | 7 | | P |
| Cadmium | | 0.7280 | J | 0.7110 | J | 2 | | P |
| Calcium | | 21287.9707 | | 21783.3906 | | 2 | | P |
| Chromium | | 23.4361 | | 25.2257 | | 7 | | P |
| Cobalt | 11.1827 | 15.8424 | | 15.6800 | | 1 | | P |
| Copper | | 37.8033 | | 37.6655 | | 0 | | P |
| Iron | | 30498.4707 | | 30051.7891 | | 1 | | P |
| Lead | | 24.0500 | | 23.7257 | | 1 | | P |
| Magnesium | | 16465.8203 | | 17145.5996 | | 4 | | P |
| Manganese | | 512.4875 | | 498.4858 | | 3 | | P |
| Mercury | | 0.0517 | J | 0.0522 | J | 16 | | CV |
| Nickel | | 49.6017 | | 49.8992 | | 1 | | P |
| Potassium | 1118.2680 | 3107.1489 | | 3687.1030 | | 17 | | P |
| Selenium | | 7.8279 | U | 7.8279 | U | | | P |
| Silver | | 2.2365 | U | 2.2365 | U | | | P |
| Sodium | | 119.5893 | J | 125.1313 | J | 5 | | P |
| Thallium | | 2.7967 | J | 2.7880 | J | 0 | | P |
| Vanadium | 11.1827 | 26.6653 | | 30.3846 | | 13 | | P |
| Zinc | | 82.7261 | | 82.9190 | | 0 | | P |
| Cyanide | | 0.0223 | J | 0.0543 | J | 84 | | AS |

# USEPA - CLP
## 6-IN
## DUPLICATES

EPA SAMPLE NO.

ME0020D

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO. ME0015

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 83.7  % Solids for Duplicate: 83.7

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

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|---|---|---|---|---|---|---|---|---|
| Aluminum | | 16387.6094 | | 15374.9805 | | 6 | | P |
| Antimony | | 13.6542 | U | 13.6542 | U | | | P |
| Arsenic | 3.4136 | 13.2945 | | 13.1434 | | 1 | | P |
| Barium | 45.5140 | 78.9795 | | 76.1166 | | 4 | | P |
| Beryllium | | 0.9006 | J | 0.8782 | J | 3 | | P |
| Cadmium | | 0.6513 | J | 0.5785 | J | 12 | | P |
| Calcium | | 19474.5508 | | 19649.5391 | | 1 | | P |
| Chromium | | 25.1244 | | 24.2757 | | 3 | | P |
| Cobalt | 11.3785 | 15.4091 | | 15.1629 | | 2 | | P |
| Copper | | 37.8175 | | 37.2894 | | 1 | | P |
| Iron | | 28256.5508 | | 27427.5391 | | 3 | | P |
| Lead | | 23.9885 | | 23.4851 | | 2 | | P |
| Magnesium | | 15497.8496 | | 15758.1904 | | 2 | | P |
| Manganese | | 488.5123 | | 477.3288 | | 2 | | P |
| Mercury | | 0.2000 | U | 0.2000 | U | | | CV |
| Nickel | 9.1028 | 43.5711 | | 42.7149 | | 2 | | P |
| Potassium | 1137.8506 | 3494.8931 | | 3384.6531 | | 3 | | P |
| Selenium | | 7.9650 | U | 7.9650 | U | | | P |
| Silver | | 2.2757 | U | 2.2757 | U | | | P |
| Sodium | | 125.9874 | J | 127.3069 | J | 1 | | P |
| Thallium | | 2.6554 | J | 2.2064 | J | 18 | | P |
| Vanadium | 11.3785 | 28.1391 | | 27.0208 | | 4 | | P |
| Zinc | | 82.3531 | | 81.1134 | | 2 | | P |
| Cyanide | | 0.0450 | J | 0.0698 | J | 43 | | AS |

# USEPA - CLP
## 6-IN
## DUPLICATES

EPA SAMPLE NO.

ME0026D

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO. ME0015

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 78.4  % Solids for Duplicate: 78.7

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

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|---|---|---|---|---|---|---|---|---|
| Aluminum | | 16381.2500 | | 15693.2598 | | 4 | | P |
| Antimony | | 15.1546 | U | 0.6164 | J | 200 | | P |
| Arsenic | | 21.0702 | | 20.2649 | | 4 | | P |
| Barium | 50.5153 | 86.7935 | | 84.6578 | | 2 | | P |
| Beryllium | | 0.8889 | J | 0.8633 | J | 3 | | P |
| Cadmium | | 0.7525 | J | 0.7690 | J | 2 | | P |
| Calcium | 1262.8814 | 2878.6650 | | 2763.9089 | | 4 | | P |
| Chromium | | 23.6824 | | 22.8970 | | 3 | | P |
| Cobalt | | 12.0978 | J | 11.7223 | J | 3 | | P |
| Copper | | 48.3749 | | 47.0209 | | 3 | | P |
| Iron | | 36132.4688 | | 35290.8281 | | 2 | | P |
| Lead | | 29.7304 | | 29.1517 | | 2 | | P |
| Magnesium | 1262.8814 | 4047.8521 | | 3866.6399 | | 5 | | P |
| Manganese | | 1020.1060 | | 990.7168 | | 3 | | P |
| Mercury | | 0.0534 | J | 0.0432 | J | 21 | | CV |
| Nickel | 10.1031 | 37.5406 | | 36.8502 | | 2 | | P |
| Potassium | 1262.8814 | 2735.0750 | | 2594.5291 | | 5 | | P |
| Selenium | | 8.8402 | U | 8.8402 | U | | | P |
| Silver | | 2.5258 | U | 2.5258 | U | | | P |
| Sodium | | 210.3620 | J | 221.9583 | J | 5 | | P |
| Thallium | | 3.2435 | J | 3.3320 | J | 3 | | P |
| Vanadium | 12.6288 | 33.8518 | | 32.7557 | | 3 | | P |
| Zinc | | 136.1379 | | 133.0537 | | 2 | | P |
| Cyanide | | 0.0765 | J | 0.0502 | J | 42 | | AS |

# 8-IN

## ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME0019L

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Matrix (soil/water) SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Aluminum | 140186.50 | | 140022.00 | | 0 | | P |
| Antimony | 5.09 | J | 42.49 | J | 735 | | P |
| Arsenic | 152.77 | | 150.56 | | 1 | | P |
| Barium | 713.00 | | 758.96 | J | 6 | | P |
| Beryllium | 7.67 | | 8.19 | J | 7 | | P |
| Cadmium | 6.69 | | 6.83 | J | 2 | | P |
| Calcium | 195653.50 | | 204286.91 | | 4 | | P |
| Chromium | 215.40 | | 232.93 | | 8 | | P |
| Cobalt | 145.60 | | 156.81 | J | 8 | | P |
| Copper | 347.44 | | 349.44 | | 1 | | P |
| Iron | 280305.31 | | 311876.91 | | 11 | E | P |
| Lead | 221.04 | | 236.94 | | 7 | | P |
| Magnesium | 151334.09 | | 157505.00 | | 4 | | P |
| Manganese | 4710.17 | | 5030.82 | | 7 | | P |
| Nickel | 455.88 | | 487.57 | | 7 | | P |
| Potassium | 28557.19 | | 30925.57 | | 8 | | P |
| Selenium | 35.00 | U | 175.00 | U | | | P |
| Silver | 10.00 | U | 50.00 | U | | | P |
| Sodium | 1099.12 | J | 1123.33 | J | 2 | | P |
| Thallium | 25.70 | | 24.67 | J | 4 | | P |
| Vanadium | 245.08 | | 270.14 | | 10 | | P |
| Zinc | 760.32 | | 810.19 | | 7 | | P |

USEPA - CLP

9-IN

040

# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Instrument Type: P Instrument ID: Spectro Ciros01 Date: 11/22/2002

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | 394.40 | 200 | 9.1 |
| Antimony | 206.83 | 60 | 4.7 |
| Arsenic | 189.04 | 15 | 2.7 |
| Barium | 233.53 | 200 | 0.50 |
| Beryllium | 313.11 | 5 | 0.040 |
| Cadmium | 226.50 | 5 | 0.300 |
| Calcium | 318.13 | 5000 | 15.4 |
| Chromium | 267.72 | 10 | 0.50 |
| Cobalt | 228.62 | 50 | 0.50 |
| Copper | 324.75 | 25 | 3.1 |
| Iron | 261.19 | 100 | 11.7 |
| Lead | 168.22 | 10 | 3.8 |
| Magnesium | 279.08 | 5000 | 4.3 |
| Manganese | 257.61 | 15 | 0.20 |
| Nickel | 231.60 | 40 | 0.80 |
| Potassium | 766.49 | 5000 | 5.9 |
| Selenium | 196.09 | 35 | 8.9 |
| Silver | 328.07 | 10 | 0.50 |
| Sodium | 330.24 | 5000 | 175.0 |
| Thallium | 190.86 | 25 | 3.2 |
| Vanadium | 292.40 | 50 | 0.60 |
| Zinc | 213.86 | 60 | 2.0 |

# USEPA - CLP

## 9-IN

## METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Instrument Type: P Instrument ID: Spectro Ciros01 Date: 11/22/2002

Preparation Method: HS2

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | 394.40 | 200 | 9.1 |
| Antimony | 206.83 | 60 | 4.7 |
| Arsenic | 189.04 | 15 | 2.7 |
| Barium | 233.53 | 200 | 0.50 |
| Beryllium | 313.11 | 5 | 0.040 |
| Cadmium | 226.50 | 5 | 0.300 |
| Calcium | 318.13 | 5000 | 15.4 |
| Chromium | 267.72 | 10 | 0.50 |
| Cobalt | 228.62 | 50 | 0.50 |
| Copper | 324.75 | 25 | 3.1 |
| Iron | 261.19 | 100 | 11.7 |
| Lead | 168.22 | 10 | 3.8 |
| Magnesium | 279.08 | 5000 | 4.3 |
| Manganese | 257.61 | 15 | 0.20 |
| Nickel | 231.60 | 40 | 0.80 |
| Potassium | 766.49 | 5000 | 5.9 |
| Selenium | 196.09 | 35 | 8.9 |
| Silver | 328.07 | 10 | 0.50 |
| Sodium | 330.24 | 5000 | 175.0 |
| Thallium | 190.86 | 25 | 3.2 |
| Vanadium | 292.40 | 50 | 0.60 |
| Zinc | 213.86 | 60 | 2.0 |

USEPA - CLP

9-IN

042

# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Instrument Type: P Instrument ID: Spectro Ciros01 Date: 11/22/2002

Preparation Method: HS2

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

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | 394.40 | 40 | 0.9 |
| Antimony | 206.83 | 12 | 0.47 |
| Arsenic | 189.04 | 3 | 0.27 |
| Barium | 233.53 | 40 | 0.05 |
| Beryllium | 313.11 | 1 | 0.004 |
| Cadmium | 226.50 | 1 | 0.032 |
| Calcium | 318.13 | 1000 | 1.5 |
| Chromium | 267.72 | 2 | 0.05 |
| Cobalt | 228.62 | 10 | 0.05 |
| Copper | 324.75 | 5 | 0.3 |
| Iron | 261.19 | 20 | 1.2 |
| Lead | 168.22 | 2 | 0.4 |
| Magnesium | 279.08 | 1000 | 0.4 |
| Manganese | 257.61 | 3 | 0.02 |
| Nickel | 231.60 | 8 | 0.08 |
| Potassium | 766.49 | 1000 | 0.6 |
| Selenium | 196.09 | 7 | 0.9 |
| Silver | 328.07 | 2 | 0.05 |
| Sodium | 330.24 | 1000 | 17.5 |
| Thallium | 190.86 | 5 | 0.3 |
| Vanadium | 292.40 | 10 | 0.06 |
| Zinc | 213.86 | 12 | 0.2 |

USEPA - CLP

9-IN

043

# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Instrument Type: CV Instrument ID: Leeman01 Date: 11/6/2002

Preparation Method: CS1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Mercury | 253.70 | 0.20 | 0.058 |

USEPA - CLP

9-IN

044

# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Instrument Type: CV Instrument ID: Leeman01 Date: 11/6/2002

Preparation Method: CS1

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

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Mercury | 253.70 | 0.10 | 0.029 |

USEPA - CLP

9-IN

045

# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Instrument Type: AS Instrument ID: Astoria01 Date: 11/22/2002

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Cyanide | 578.00 | 10 | 2.00 |

USEPA - CLP

9-IN

046

# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Instrument Type: AS Instrument ID: Astoria01 Date: 11/22/2002

Preparation Method: DS2

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Cyanide | 578.00 | 10 | 2.00 |

USEPA - CLP

9-IN

047

# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0015

Instrument Type: AS Instrument ID: Astoria01 Date: 11/22/2002

Preparation Method: DS2

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

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Cyanide | 578.00 | 1 | 0.01 |

# USEPA - CLP

## 12-IN

## PREPARATION LOG

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Preparation Method: HS2

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|---|---|---|---|
| PBS01 | 4/18/2003 | 1.00 | 100 |
| LCSS01 | 4/18/2003 | 1.00 | 100 |
| ME0015 | 4/18/2003 | 1.02 | 100 |
| ME0016 | 4/18/2003 | 1.01 | 100 |
| ME0017 | 4/18/2003 | 1.03 | 100 |
| ME0018 | 4/18/2003 | 1.11 | 100 |
| ME0019 | 4/18/2003 | 1.11 | 100 |
| ME0019D | 4/18/2003 | 1.08 | 100 |
| ME0019S | 4/18/2003 | 1.10 | 100 |
| ME0020 | 4/18/2003 | 1.05 | 100 |
| ME0020D | 4/18/2003 | 1.05 | 100 |
| ME0020S | 4/18/2003 | 1.05 | 100 |
| ME0021 | 4/18/2003 | 1.10 | 100 |
| ME0022 | 4/18/2003 | 1.00 | 100 |
| ME0023 | 4/18/2003 | 1.09 | 100 |
| ME0024 | 4/18/2003 | 1.20 | 100 |
| ME0025 | 4/18/2003 | 1.02 | 100 |
| ME0026 | 4/18/2003 | 1.05 | 100 |
| ME0026D | 4/18/2003 | 1.01 | 100 |
| ME0026S | 4/18/2003 | 1.12 | 100 |
| ME0027 | 4/18/2003 | 1.08 | 100 |

Comments:

# USEPA - CLP
## 12-IN
## PREPARATION LOG

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Preparation Method: CS1

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|---|---|---|---|
| S0 | 4/28/2003 | | 100 |
| S0.2 | 4/28/2003 | | 100 |
| S1 | 4/28/2003 | | 100 |
| S2 | 4/28/2003 | | 100 |
| S5 | 4/28/2003 | | 100 |
| S10 | 4/28/2003 | | 100 |
| ICV01 | 4/28/2003 | | 100 |
| ICB01 | 4/28/2003 | | 100 |
| CRI01 | 4/28/2003 | | 100 |
| CCV01 | 4/28/2003 | | 100 |
| CCB01 | 4/28/2003 | | 100 |
| PBS01 | 4/28/2003 | 0.20 | 100 |
| LCSS01 | 4/28/2003 | 0.20 | 100 |
| ME0015 | 4/28/2003 | 0.21 | 100 |
| ME0016 | 4/28/2003 | 0.20 | 100 |
| ME0017 | 4/28/2003 | 0.20 | 100 |
| ME0018 | 4/28/2003 | 0.20 | 100 |
| ME0019 | 4/28/2003 | 0.21 | 100 |
| ME0019D | 4/28/2003 | 0.21 | 100 |
| ME0019S | 4/28/2003 | 0.20 | 100 |
| ME0020 | 4/28/2003 | 0.20 | 100 |
| CCV02 | 4/28/2003 | | 100 |
| CCB02 | 4/28/2003 | | 100 |
| ME0020D | 4/28/2003 | 0.20 | 100 |
| ME0020S | 4/28/2003 | 0.20 | 100 |
| ME0021 | 4/28/2003 | 0.20 | 100 |
| ME0022 | 4/28/2003 | 0.21 | 100 |
| ME0023 | 4/28/2003 | 0.21 | 100 |
| ME0024 | 4/28/2003 | 0.21 | 100 |
| ME0025 | 4/28/2003 | 0.21 | 100 |
| ME0026 | 4/28/2003 | 0.21 | 100 |
| CRI02 | 4/28/2003 | | 100 |
| CCV03 | 4/28/2003 | | 100 |
| CCB03 | 4/28/2003 | | 100 |
| ME0026D | 4/28/2003 | 0.20 | 100 |

Comments:

USEPA - CLP

12-IN

PREPARATION LOG



Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0015

Preparation Method: DS2

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|---|---|---|---|
| ICV02 | 4/17/2003 | | 50 |
| MIDRANGE250 | 4/17/2003 | | 50 |
| PBS01 | 4/17/2003 | 1.00 | 50 |
| LCSS01 | 4/17/2003 | 1.01 | 50 |
| ME0015 | 4/17/2003 | 1.01 | 50 |
| ME0016 | 4/17/2003 | 1.01 | 50 |
| ME0017 | 4/17/2003 | 1.01 | 50 |
| ME0018 | 4/17/2003 | 1.01 | 50 |
| ME0019 | 4/17/2003 | 1.00 | 50 |
| ME0019D | 4/17/2003 | 1.00 | 50 |
| ME0019S | 4/17/2003 | 1.01 | 50 |
| ME0020 | 4/17/2003 | 1.01 | 50 |
| ME0020D | 4/17/2003 | 1.01 | 50 |
| ME0020S | 4/17/2003 | 1.00 | 50 |
| ME0021 | 4/17/2003 | 1.01 | 50 |
| ME0022 | 4/17/2003 | 1.00 | 50 |
| ME0023 | 4/17/2003 | 1.01 | 50 |
| ME0024 | 4/17/2003 | 1.00 | 50 |
| ME0025 | 4/17/2003 | 1.00 | 50 |
| ME0026 | 4/17/2003 | 1.00 | 50 |
| ME0026D | 4/17/2003 | 0.99 | 50 |
| ME0026S | 4/17/2003 | 1.00 | 50 |
| ME0027 | 4/17/2003 | 1.00 | 50 |

Comments:

DATE: May 2, 2003

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1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Plot M. Palos Forest Preserve (Argonne)

| CASE NO. | LAB | NO. OF SAMPLES | SDG | MATRIX |
|---|---|---|---|---|
| 31584 | Ceimic | 14 | E0001 | Soil |

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

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MAY 0 9 2003
IEPA-DCL-FOTS

MAY 0 2 2003



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**REGION V**
**SUPERFUND DIVISION**

DATE: _____

SUBJECT: **Electronic (Level 2) Review of Data**

Received for Review on April 30, 2003

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

**The following data has been electronically reviewed by CADRE. No review of the raw data, laboratory narrative, laboratory forms or chain-of-custody forms was performed.**

SITE NAME: Plot M. Palos Forest Preserve (Argonne) (IL)

CASE NUMBER: 31584 SDG NUMBER: E0001

Number and Type of Samples: 14 (soils)

Sample Numbers: E0001 through E0014

Laboratory: Ceimic Hrs. for Review: _____

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

**Case Number : 31584** **SDG Number: E0001**
**Site Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Fourteen (14) soil samples, numbered E0001 through E0014, were collected on April 8th ; 2003. The lab received the samples on April 12th , 2003 in good condition. All samples were analyzed for the full list of organic analytes. All were analyzed according to CLP SOW OLM04.3 .

**Case Number : 31584** **SDG Number: E0001**
**Site Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

## 1. HOLDING TIME

No defects found.

## 2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

## 3. CALIBRATION

**Qualification: Calibrations** **Protocol: VOA**

DC-8 The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

**Dichlorodifluoromethane**
E0001MS, E0007, E0008, E0009, E0010, E0011, E0012, E0013, E0014, VBLKLT

**Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Acetone, 2-Butanone**
E0001MSD, VBLKLV, VHBLK01

**2-Hexanone**
E0001, E0002, E0003, E0004, E0005, E0006, VBLKLS

**Qualification: Calibrations** **Protocol: BNA**

DC-9 The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

**Benzaldehyde**
E0002, E0003, SBLKDJ

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

**Benzaldehyde, 2,2-oxybis(1-Chloropropane), 4-Nitrophenol**
E0001, E0001MS, E0001MSD, E0004, E0005, E0006, E0007, E0008, E0009, E0010, E0011, E0012, E0013, E0014, SBLKAX

**bis(2-Ethylhexyl)phthalate**
E0002, E0003, SBLKDJ

**Case Number : 31584** **SDG Number: E0001**
**S Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

## 4. BLANKS

**Qualification: Laboratory Blanks** **Protocol: VOA**

DC-13 The following volatile samples have analyte concentrations reported below the CRQL and less tha or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

**Methylene Chloride**
E0001, E0001MS, E0001MSD, E0002, E0003, E0004, E0005, E0006, E0007, E0008, E0009, E0010, E0011, E0012, E0013, E0014

**Qualification: Laboratory Blanks** **Protocol: BNA**

DC-10 The following semivolatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

**bis(2-Ethylhexyl)phthalate**
E0001, E0001MSD, E0004, E0005, E0006, E0007, E0008, E0010, E0013

## 5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No defects found.

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

**Qualification: Matrix Spikes** **Protocol: VOA**

DC-2 The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. Results for the outlier compound(s) in the unspiked sample E0001 are estimated, "J" and non-detects are estimated, "UJ".

**E0001MS, E0001MSD**
Trichloroethene, Toluene, Chlorobenzene

**Qualification: Matrix Spikes** **Protocol: BNA**

DC-1 The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Results for the outlier compound(s) in the unspiked sample E0001 are estimated, "J" and non-detects are estimated, "UJ".

**Case Number : 31584** **SDG Number: E0001**
**Site Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

**E0001MS, E0001MSD**
Phenol, N-Nitroso-di-n-propylamine, 4-Chloro-3-methylphenol, Acenaphthene, 4-Nitrophenol, Pyrene

DC-2 The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Results for the outlier compound(s) in the unspiked sample E0001 are estimated, "J and non-detects are estimated, "UJ".

**E0001MSD**
N-Nitroso-di-n-propylamine, Pyrene

**Qualification: Matrix Spikes** **Protocol: BNA**

DC-2 The following pesticide matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Results for the outlier compound(s) in the unspiked sample E0001 are estimated, "J" and non-detects are estimated, "UJ".

**E0001MS, E0001MSD**
gamma-BHC (Lindane)

## 7. FIELD BLANK AND FIELD DUPLICATE

There are no field blanks with this SDG. Sample E0006 may be a duplicate of Sample E0005. Results are not qualified based upon the results of the field blank or field duplicates.

## 8. INTERNAL STANDARDS

No defects found.

## 9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

## 10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

**Qualification: Detection Limit** **Protocol: VOA**

DC-1 The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

**E0007, E0008, E0009, E0010, E0011, E0012, E0013, E0014**
Trichlorofluoromethane

**Case Number : 31584** **SDG Number: E0001**
**Site Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

**VBLKLS**
Methylene Chloride, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

**VBLKLT, VBLKLV**
Methylene Chloride, 1,2,4-Trichlorobenzene

**Qualification: Detection Limit** **Protocol: BNA**

DC-1 The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL) All results below the CRQL are qualified "J".

**E0001MSD**
Pyrene

**E0002**
4-Methylphenol, 2-Methylnaphthalene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene

**E0003**
4-Methylphenol, Phenanthrene, Fluoranthene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene

**E0008**
Naphthalene

**E0009**
Di-n-butylphthalate

**SBLKAX**
bis(2-Ethylhexyl)phthalate

## 11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

## 12. ADDITIONAL INFORMATION

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

**Case Number : 31584** **SDG Number: E0001**
**S Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

**E0001, E0001MS, E0001MSD, E0002, E0003, E0004, E0005, E0006, E0007, E0008, E0009, E0010, E0011, E0012, E0013, E0014, VBLKLS, VBLKLT, VBLKLV, VHBLK01**

**Qualification: CADRE Reserved** **Protocol: BNA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

**E0001, E0001MS, E0001MSD, E0002, E0003, E0004, E0005, E0006, E0007, E0008, E0009, E0010, E0011, E0012, E0013, E0014, SBLKAX, SBLKDJ**

**Qualification: CADRE Reserved** **Protocol: PES**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

**E0001, E0001MS, E0001MSD, E0002, E0002DL, E0003, E0004, E0005, E0006, E0007, E0008, E0009, E0010, E0011, E0012, E0013, E0014, PBLK01**

| Qualifiers | Data Qualifier Definitions |
|---|---|
| U | The analyte was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample. |
| UJ | The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample. |
| N | The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification. |
| NJ | The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration. |
| R | The data are unusable. (The compound may or may not be present) |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

Number of Soil Samples : 14
Number of Water Samples : 0

| Sample Number : | E0001 | | E0001MS | | E0001MSD | | E0002 | | E0003 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X214 | | X214 | | X214 | | X201 | | X202 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units . | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled . | 17:35 | | 17:35 | | 17:35 | | 13:20 | | 13:40 | |
| %Moisture : | 20 | | 20 | | 20 | | 60 | | 60 | |
| pH . | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 11 | U | 12 | UJ | 13 | U | 23 | U | 21 | U |
| CHLOROMETHANE | 11 | U | 12 | U | 13 | UJ | 23 | U | 21 | U |
| VINYL CHLORIDE | 11 | U | 12 | U | 13 | UJ | 23 | U | 21 | U |
| BROMOMETHANE | 11 | U | 12 | U | 13 | UJ | 23 | U | 21 | U |
| CHLOROETHANE | 11 | U | 12 | U | 13 | UJ | 23 | U | 21 | U |
| TRICHLOROFLUOROMETHANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,1-DICHLOROETHENE | 11 | U | 38 | | 47 | | 23 | U | 21 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| ACETONE | 11 | U | 12 | U | 13 | UJ | 23 | U | 54 | |
| CARBON DISULFIDE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| METHYL ACETATE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| METHYLENE CHLORIDE | 11 | UJ | 12 | UJ | 13 | UJ | 23 | UJ | 21 | UJ |
| TRANS-1,2-DICHLOROETHENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| METHYL TERT-BUTYL ETHER | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,1-DICHLOROETHANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| CIS-1,2-DICHLOROETHENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 2-BUTANONE | 11 | U | 12 | U | 13 | UJ | 23 | U | 21 | U |
| CHLOROFORM | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,1,1-TRICHLOROETHANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| CYCLOHEXANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| CARBON TETRACHLORIDE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| BENZENE | 11 | U | 44 | | 61 | | 23 | U | 21 | U |
| 1,2-DICHLOROETHANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| TRICHLOROETHENE | 11 | UJ | 41 | | 62 | | 23 | U | 21 | U |
| METHYLCYCLOHEXANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,2-DICHLOROPROPANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| BROMODICHLOROMETHANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| CIS-1,3-DICHLOROPROPENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 4-METHYL-2-PENTANONE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| TOLUENE | 11 | UJ | 40 | | 64 | | 23 | U | 21 | U |
| TRANS-1,3-DICHLOROPROPENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,1,2-TRICHLOROETHANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| TETRACHLOROETHENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0001 | | E0001MS | | E0001MSD | | E0002 | | E0003 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X214 | | X214 | | X214 | | X201 | | X202 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 17:35 | | 17:35 | | 17:35 | | 13:20 | | 13:40 | |
| %Moisture : | 20 | | 20 | | 20 | | 60 | | 60 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 11 | UJ | 12 | U | 13 | U | 23 | UJ | 21 | UJ |
| DIBROMOCHLOROMETHANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,2-DIBROMOETHANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| CHLOROBENZENE | 11 | UJ | 38 | | 64 | | 23 | U | 21 | U |
| ETHYLBENZENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| XYLENES (TOTAL) | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| STYRENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| BROMOFORM | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| ISOPROPYLBENZENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,1,2,2-TETRACHLOROETHANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,3-DICHLOROBENZENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,4-DICHLOROBENZENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,2-DICHLOROBENZENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |
| 1,2,4-TRICHLOROBENZENE | 11 | U | 12 | U | 13 | U | 23 | U | 21 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab : CEIMIC
Reviewer :
Date :

| Sample Number : | E0004 | | E0005 | | E0006 | | E0007 | | E0008 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X203 | | X204 | | X205 | | X206 | | X207 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 14:30 | | 14:50 | | 14:50 | | 15:40 | | 15:50 | |
| %Moisture : | 25 | | 27 | | 32 | | 27 | | 39 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 13 | U | 12 | U | 14 | U | 13 | UJ | 15 | UJ |
| CHLOROMETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| VINYL CHLORIDE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| BROMOMETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| CHLOROETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| TRICHLOROFLUOROMETHANE | 13 | U | 12 | U | 14 | U | 3 | J | 3 | J |
| 1,1-DICHLOROETHENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| ACETONE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| CARBON DISULFIDE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| METHYL ACETATE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| METHYLENE CHLORIDE | 13 | UJ | 12 | UJ | 14 | UJ | 13 | UJ | 15 | UJ |
| TRANS-1,2-DICHLOROETHENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| METHYL TERT-BUTYL ETHER | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,1-DICHLOROETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| CIS-1,2-DICHLOROETHENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 2-BUTANONE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| CHLOROFORM | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,1,1-TRICHLOROETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| CYCLOHEXANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| CARBON TETRACHLORIDE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| BENZENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,2-DICHLOROETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| TRICHLOROETHENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| METHYLCYCLOHEXANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,2-DICHLOROPROPANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| BROMODICHLOROMETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| CIS-1,3-DICHLOROPROPENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 4-METHYL-2-PENTANONE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| TOLUENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| TRANS-1,3-DICHLOROPROPENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,1,2-TRICHLOROETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| TETRACHLOROETHENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0004 | | E0005 | | E0006 | | E0007 | | E0008 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X203 | | X204 | | X205 | | X206 | | X207 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 14:30 | | 14:50 | | 14:50 | | 15:40 | | 15:50 | |
| %Moisture : | 25 | | 27 | | 32 | | 27 | | 39 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 13 | UJ | 12 | UJ | 14 | UJ | 13 | U | 15 | U |
| DIBROMOCHLOROMETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,2-DIBROMOETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| CHLOROBENZENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| ETHYLBENZENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| XYLENES (TOTAL) | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| STYRENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| BROMOFORM | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| ISOPROPYLBENZENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,1,2,2-TETRACHLOROETHANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,3-DICHLOROBENZENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,4-DICHLOROBENZENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,2-DICHLOROBENZENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |
| 1,2,4-TRICHLOROBENZENE | 13 | U | 12 | U | 14 | U | 13 | U | 15 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. . CEIMIC
Reviewer :
Date :

| Sample Number : | E0009 | | E0010 | | E0011 | | E0012 | | E0013 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X208 | | X209 | | X210 | | X211 | | X212 | |
| Matrix . | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 16:05 | | 16:20 | | 16:35 | | 16:55 | | 17:10 | |
| %Moisture : | 22 | | 47 | | 25 | | 30 | | 27 | |
| pH . | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 11 | UJ | 18 | UJ | 13 | UJ | 13 | UJ | 13 | UJ |
| CHLOROMETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| VINYL CHLORIDE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| BROMOMETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| CHLOROETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| TRICHLOROFLUOROMETHANE | 2 | J | 3 | J | 2 | J | 3 | J | 5 | J |
| 1,1-DICHLOROETHENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| ACETONE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| CARBON DISULFIDE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| METHYL ACETATE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| METHYLENE CHLORIDE | 11 | UJ | 18 | UJ | 13 | UJ | 13 | UJ | 13 | UJ |
| TRANS-1,2-DICHLOROETHENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| METHYL TERT-BUTYL ETHER | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,1-DICHLOROETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| CIS-1,2-DICHLOROETHENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 2-BUTANONE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| CHLOROFORM | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,1,1-TRICHLOROETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| CYCLOHEXANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| CARBON TETRACHLORIDE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| BENZENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,2-DICHLOROETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| TRICHLOROETHENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| METHYLCYCLOHEXANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,2-DICHLOROPROPANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| BROMODICHLOROMETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| CIS-1,3-DICHLOROPROPENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 4-METHYL-2-PENTANONE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| TOLUENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| TRANS-1,3-DICHLOROPROPENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,1,2-TRICHLOROETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| TETRACHLOROETHENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
ate :

| Sample Number : | E0009 | | E0010 | | E0011 | | E0012 | | E0013 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X208 | | X209 | | X210 | | X211 | | X212 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 16:05 | | 16:20 | | 16:35 | | 16:55 | | 17:10 | |
| %Moisture : | 22 | | 47 | | 25 | | 30 | | 27 | |
| pH : | 7.0 | | 7.0 | | 7.0 | | 7.0 | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| DIBROMOCHLOROMETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,2-DIBROMOETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| CHLOROBENZENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| ETHYLBENZENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| XYLENES (TOTAL) | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| STYRENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| BROMOFORM | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| ISOPROPYLBENZENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,1,2,2-TETRACHLOROETHANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,3-DICHLOROBENZENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,4-DICHLOROBENZENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,2-DICHLOROBENZENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |
| 1,2,4-TRICHLOROBENZENE | 11 | U | 18 | U | 13 | U | 13 | U | 13 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0014 | | VBLKLS | | VBLKLT | | VBLKLV | | VHBLK01 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X213 | | | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | | | | | | | | |
| Time Sampled : | 17:20 | | | | | | | | | |
| %Moisture : | 31 | | N/A | | N/A | | N/A | | 0 | |
| pH : | 7.0 | | | | | | | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 13 | UJ | 10 | U | 10 | UJ | 10 | U | 10 | U |
| CHLOROMETHANE | 13 | U | 10 | U | 10 | U | 10 | UJ | 10 | UJ |
| VINYL CHLORIDE | 13 | U | 10 | U | 10 | U | 10 | UJ | 10 | UJ |
| BROMOMETHANE | 13 | U | 10 | U | 10 | U | 10 | UJ | 10 | UJ |
| CHLOROETHANE | 13 | U | 10 | U | 10 | U | 10 | UJ | 10 | UJ |
| TRICHLOROFLUOROMETHANE | 2 | J | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1-DICHLOROETHENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| ACETONE | 13 | U | 10 | U | 10 | U | 10 | UJ | 10 | UJ |
| CARBON DISULFIDE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYL ACETATE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYLENE CHLORIDE | 13 | UJ | 4 | J | 3 | J | 1 | J | 10 | U |
| TRANS-1,2-DICHLOROETHENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYL TERT-BUTYL ETHER | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1-DICHLOROETHANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CIS-1,2-DICHLOROETHENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 2-BUTANONE | 13 | U | 10 | U | 10 | U | 10 | UJ | 10 | UJ |
| CHLOROFORM | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,1-TRICHLOROETHANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CYCLOHEXANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CARBON TETRACHLORIDE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BENZENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROETHANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TRICHLOROETHENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYLCYCLOHEXANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROPROPANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMODICHLOROMETHANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CIS-1,3-DICHLOROPROPENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 4-METHYL-2-PENTANONE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TOLUENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TRANS-1,3-DICHLOROPROPENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2-TRICHLOROETHANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TETRACHLOROETHENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0014 | | VBLKLS | | VBLKLT | | VBLKLV | | VHBLK01 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X213 | | | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | | | | | | | | |
| Time Sampled : | 17:20 | | | | | | | | | |
| %Moisture : | 31 | | N/A | | N/A | | N/A | | 0 | |
| pH : | 7.0 | | | | | | | | 7.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 13 | U | 10 | UJ | 10 | U | 10 | U | 10 | U |
| DIBROMOCHLOROMETHANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DIBROMOETHANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CHLOROBENZENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| ETHYLBENZENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| XYLENES (TOTAL) | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| STYRENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMOFORM | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| ISOPROPYLBENZENE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2,2-TETRACHLOROETHANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,3-DICHLOROBENZENE | 13 | U | 1 | J | 10 | U | 10 | U | 10 | U |
| 1,4-DICHLOROBENZENE | 13 | U | 1 | J | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROBENZENE | 13 | U | 1 | J | 10 | U | 10 | U | 10 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 13 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2,4-TRICHLOROBENZENE | 13 | U | 3 | J | 3 | J | 3 | J | 10 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

Number of Soil Samples : 14
Number of Water Samples : 0

| Sample Number : | E0001 | | E0001MS | | E0001MSD | | E0002 | | E0003 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X214 | | X214 | | X214 | | X201 | | X202 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 17:35 | | 17:35 | | 17:35 | | 13:20 | | 13:40 | |
| %Moisture : | 33 | | 33 | | 33 | | 54 | | 46 | |
| pH : | 7.4 | | 7.4 | | 7.4 | | 7.4 | | 6.7 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 490 | UJ | 490 | UJ | 490 | UJ | 720 | UJ | 610 | UJ |
| PHENOL | 490 | UJ | 1600 | | 1100 | | 720 | U | 610 | U |
| BIS-(2-CHLOROETHYL)ETHER | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2-CHLOROPHENOL | 490 | U | 1600 | | 1000 | | 720 | U | 610 | U |
| 2-METHYLPHENOL | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 490 | UJ | 490 | UJ | 490 | UJ | 720 | U | 610 | U |
| ACETOPHENONE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 4-METHYLPHENOL | 490 | U | 490 | U | 490 | U | 130 | J | 470 | J |
| N-NITROSO-DI-N PROPYLAMINE | 490 | UJ | 1100 | | 720 | | 720 | U | 610 | U |
| HEXACHLOROETHANE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| NITROBENZENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| ISOPHORONE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2-NITROPHENOL | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2,4-DIMETHYLPHENOL | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| BIS(2-CHLOROETHOXY)METHANE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2,4-DICHLOROPHENOL | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| NAPHTHALENE | 490 | U | 490 | U | 490 | U | 780 | | 610 | U |
| 4-CHLOROANILINE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| HEXACHLOROBUTADIENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| CAPROLACTAM | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 4-CHLORO-3-METHYLPHENOL | 490 | UJ | 2000 | | 1300 | | 720 | U | 610 | U |
| 2-METHYLNAPHTHALENE | 490 | U | 490 | U | 490 | U | 95 | J | 610 | U |
| HEXACHLOROCYCLO-PENTADIEN | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2,4,6-TRICHLOROPHENOL | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2,4,5-TRICHLOROPHENOL | 1200 | U | 1200 | U | 1200 | U | 1800 | U | 1500 | U |
| 1,1'-BIPHENYL | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2-CHLORONAPHTHALENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2-NITROANILINE | 1200 | U | 1200 | U | 1200 | U | 1800 | U | 1500 | U |
| DIMETHYLPHTHALATE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2,6-DINITROTOLUENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| ACENAPHTHYLENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 3-NITROANILINE | 1200 | U | 1200 | U | 1200 | U | 1800 | U | 1500 | U |
| ACENAPHTHENE | 490 | UJ | 1300 | | 810 | | 720 | U | 610 | U |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0001 | | E0001MS | | E0001MSD | | E0002 | | E0003 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X214 | | X214 | | X214 | | X201 | | X202 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 17:35 | | 17:35 | | 17:35 | | 13:20 | | 13:40 | |
| %Moisture : | 33 | | 33 | | 33 | | 54 | | 46 | |
| pH : | 7.4 | | 7.4 | | 7.4 | | 7.4 | | 6.7 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 1200 | U | 1200 | U | 1200 | U | 1800 | U | 1500 | U |
| 4-NITROPHENOL | 1200 | UJ | 2400 | J | 1400 | J | 1800 | U | 1500 | U |
| DIBENZOFURAN | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 2,4-DINITROTOLUENE | 490 | U | 1400 | | 870 | | 720 | U | 610 | U |
| DIETHYLPHTHALATE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| FLUORENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 4-CHLOROPHENYL-PHENYL ETHER | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 4-NITROANILINE | 1200 | U | 1200 | U | 1200 | U | 1800 | U | 1500 | U |
| 4,6-DINITRO-2-METHYLPHENOL | 1200 | U | 1200 | U | 1200 | U | 1800 | U | 1500 | U |
| N-NITROSO DIPHENYLAMINE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 4-BROMOPHENYL-PHENYLETHER | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| HEXACHLOROBENZENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| ATRAZINE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| PENTACHLOROPHENOL | 1200 | U | 1600 | | 1200 | | 1800 | U | 1500 | U |
| PHENANTHRENE | 490 | U | 490 | U | 490 | U | 720 | U | 62 | J |
| ANTHRACENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| CARBAZOLE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| DI-N-BUTYLPHTHALATE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| FLUORANTHENE | 490 | U | 490 | U | 490 | U | 180 | J | 180 | J |
| PYRENE | 490 | UJ | 1200 | | 470 | J | 85 | J | 610 | U |
| BUTYLBENZYLPHTHALATE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| 3,3'-DICHLOROBENZIDINE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| BENZO(A)ANTHRACENE | 490 | U | 490 | U | 490 | U | 92 | J | 110 | J |
| CHRYSENE | 490 | U | 490 | U | 490 | U | 83 | J | 110 | J |
| BIS(2-ETHYLHEXYL)PHTHALATE | 490 | UJ | 650 | | 490 | UJ | 200 | J | 140 | J |
| DI-N-OCTYLPHTHALATE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| BENZO(B)FLUORANTHENE | 490 | U | 490 | U | 490 | U | 110 | J | 130 | J |
| BENZO(K)FLUORANTHENE | 490 | U | 490 | U | 490 | U | 720 | U | 81 | J |
| BENZO(A)PYRENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| INDENO(1,2,3-CD)-PYRENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| DIBENZO(A,H)-ANTHRACENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |
| BENZO(G,H,I)PERYLENE | 490 | U | 490 | U | 490 | U | 720 | U | 610 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0004 | | E0005 | | E0006 | | E0007 | | E0008 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X203 | | X204 | | X205 | | X206 | | X207 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 14:30 | | 14:50 | | 14:50 | | 15:40 | | 15:50 | |
| %Moisture : | 29 | | 27 | | 28 | | 30 | | 33 | |
| pH : | 7.9 | | 7.3 | | 7.4 | | 7.7 | | 7.1 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 460 | UJ | 450 | UJ | 450 | UJ | 470 | UJ | 490 | UJ |
| PHENOL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| BIS-(2-CHLOROETHYL)ETHER | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2-CHLOROPHENOL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2-METHYLPHENOL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 460 | UJ | 450 | UJ | 450 | UJ | 470 | UJ | 490 | UJ |
| ACETOPHENONE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 4-METHYLPHENOL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| N-NITROSO-DI-N PROPYLAMINE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| HEXACHLOROETHANE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| NITROBENZENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| ISOPHORONE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2-NITROPHENOL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2,4-DIMETHYLPHENOL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| BIS(2-CHLOROETHOXY)METHANE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2,4-DICHLOROPHENOL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| NAPHTHALENE | 460 | U | 450 | U | 450 | U | 470 | U | 79 | J |
| 4-CHLOROANILINE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| HEXACHLOROBUTADIENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| CAPROLACTAM | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 4-CHLORO-3-METHYLPHENOL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2-METHYLNAPHTHALENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| HEXACHLOROCYCLO-PENTADIEN | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2,4,6-TRICHLOROPHENOL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2,4,5-TRICHLOROPHENOL | 1200 | U | 1100 | U | 1100 | U | 1200 | U | 1200 | U |
| 1,1'-BIPHENYL | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2-CHLORONAPHTHALENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2-NITROANILINE | 1200 | U | 1100 | U | 1100 | U | 1200 | U | 1200 | U |
| DIMETHYLPHTHALATE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2,6-DINITROTOLUENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| ACENAPHTHYLENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 3-NITROANILINE | 1200 | U | 1100 | U | 1100 | U | 1200 | U | 1200 | U |
| ACENAPHTHENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0004 | | E0005 | | E0006 | | E0007 | | E0008 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X203 | | X204 | | X205 | | X206 | | X207 | |
| Matrix : | Soil | | Soil | | Soi | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 14:30 | | 14:50 | | 14:50 | | 15:40 | | 15:50 | |
| %Moisture : | 29 | | 27 | | 28 | | 30 | | 33 | |
| pH : | 7.9 | | 7.3 | | 7.4 | | 7.7 | | 7.1 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 1200 | U | 1100 | U | 1100 | U | 1200 | U | 1200 | U |
| 4-NITROPHENOL | 1200 | UJ | 1100 | UJ | 1100 | UJ | 1200 | UJ | 1200 | UJ |
| DIBENZOFURAN | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 2,4-DINITROTOLUENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| DIETHYLPHTHALATE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| FLUORENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 4-CHLOROPHENYL-PHENYL ETHER | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 4-NITROANILINE | 1200 | U | 1100 | U | 1100 | U | 1200 | U | 1200 | U |
| 4,6-DINITRO-2-METHYLPHENOL | 1200 | U | 1100 | U | 1100 | U | 1200 | U | 1200 | U |
| N-NITROSO DIPHENYLAMINE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 4-BROMOPHENYL-PHENYLETHER | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| HEXACHLOROBENZENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| ATRAZINE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| PENTACHLOROPHENOL | 1200 | U | 1100 | U | 1100 | U | 1200 | U | 1200 | U |
| PHENANTHRENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| ANTHRACENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| CARBAZOLE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| DI-N-BUTYLPHTHALATE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| FLUORANTHENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| PYRENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| BUTYLBENZYLPHTHALATE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| 3,3'-DICHLOROBENZIDINE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| BENZO(A)ANTHRACENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| CHRYSENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 460 | UJ | 450 | UJ | 450 | UJ | 470 | UJ | 490 | UJ |
| DI-N-OCTYLPHTHALATE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| BENZO(B)FLUORANTHENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| BENZO(K)FLUORANTHENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| BENZO(A)PYRENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| INDENO(1,2,3-CD)-PYRENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| DIBENZO(A,H)-ANTHRACENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |
| BENZO(G,H,I)PERYLENE | 460 | U | 450 | U | 450 | U | 470 | U | 490 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0009 | | E0010 | | E0011 | | E0012 | | E0013 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X208 | | X209 | | X210 | | X211 | | X212 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 16:05 | | 16:20 | | 16:35 | | 16:55 | | 17:10 | |
| %Moisture : | 17 | | 40 | | 17 | | 26 | | 29 | |
| pH | 7.7 | | 7.5 | | 7.5 | | 7.7 | | 8.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 400 | UJ | 550 | UJ | 390 | UJ | 440 | UJ | 460 | UJ |
| PHENOL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| BIS-(2-CHLOROETHYL)ETHER | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2-CHLOROPHENOL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2-METHYLPHENOL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 400 | UJ | 550 | UJ | 390 | UJ | 440 | UJ | 460 | UJ |
| ACETOPHENONE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 4-METHYLPHENOL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| N-NITROSO-DI-N PROPYLAMINE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| HEXACHLOROETHANE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| NITROBENZENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| ISOPHORONE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2-NITROPHENOL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2,4-DIMETHYLPHENOL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| BIS(2-CHLOROETHOXY)METHANE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2,4-DICHLOROPHENOL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| NAPHTHALENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 4-CHLOROANILINE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| HEXACHLOROBUTADIENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| CAPROLACTAM | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 4-CHLORO-3-METHYLPHENOL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2-METHYLNAPHTHALENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| HEXACHLOROCYCLO-PENTADIEN | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2,4,6-TRICHLOROPHENOL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2,4,5-TRICHLOROPHENOL | 1000 | U | 1400 | U | 990 | U | 1100 | U | 1200 | U |
| 1,1'-BIPHENYL | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2-CHLORONAPHTHALENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2-NITROANILINE | 1000 | U | 1400 | U | 990 | U | 1100 | U | 1200 | U |
| DIMETHYLPHTHALATE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2,6-DINITROTOLUENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| ACENAPHTHYLENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 3-NITROANILINE | 1000 | U | 1400 | U | 990 | U | 1100 | U | 1200 | U |
| ACENAPHTHENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0009 | | E0010 | | E0011 | | E0012 | | E0013 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X208 | | X209 | | X210 | | X211 | | X212 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 16:05 | | 16:20 | | 16:35 | | 16:55 | | 17:10 | |
| %Moisture : | 17 | | 40 | | 17 | | 26 | | 29 | |
| pH : | 7.7 | | 7.5 | | 7.5 | | 7.7 | | 8.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 1000 | U | 1400 | U | 990 | U | 1100 | U | 1200 | U |
| 4-NITROPHENOL | 1000 | UJ | 1400 | UJ | 990 | UJ | 1100 | UJ | 1200 | UJ |
| DIBENZOFURAN | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 2,4-DINITROTOLUENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| DIETHYLPHTHALATE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| FLUORENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 4-CHLOROPHENYL-PHENYL ETHER | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 4-NITROANILINE | 1000 | U | 1400 | U | 990 | U | 1100 | U | 1200 | U |
| 4,6-DINITRO-2-METHYLPHENOL | 1000 | U | 1400 | U | 990 | U | 1100 | U | 1200 | U |
| N-NITROSO DIPHENYLAMINE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 4-BROMOPHENYL-PHENYLETHER | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| HEXACHLOROBENZENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| ATRAZINE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| PENTACHLOROPHENOL | 1000 | U | 1400 | U | 990 | U | 1100 | U | 1200 | U |
| PHENANTHRENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| ANTHRACENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| CARBAZOLE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| DI-N-BUTYLPHTHALATE | 120 | J | 550 | U | 390 | U | 440 | U | 460 | U |
| FLUORANTHENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| PYRENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| BUTYLBENZYLPHTHALATE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| 3,3'-DICHLOROBENZIDINE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| BENZO(A)ANTHRACENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| CHRYSENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 770 | | 550 | UJ | 910 | | 440 | U | 460 | UJ |
| DI-N-OCTYLPHTHALATE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| BENZO(B)FLUORANTHENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| BENZO(K)FLUORANTHENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| BENZO(A)PYRENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| INDENO(1,2,3-CD)-PYRENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| DIBENZO(A,H)-ANTHRACENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |
| BENZO(G,H,I)PERYLENE | 400 | U | 550 | U | 390 | U | 440 | U | 460 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab : CEIMIC
Reviewer :
Date :

| Sample Number : | E0014 | | SBLKAX | | SBLKDJ | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X213 | | | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | | | | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | | | | |
| Date Sampled : | 04/08/2003 | | | | | | | | | |
| Time Sampled : | 17:20 | | | | | | | | | |
| %Moisture : | 28 | | N/A | | N/A | | | | | |
| pH : | 7.4 | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 450 | UJ | 330 | UJ | 330 | UJ | | | | |
| PHENOL | 450 | U | 330 | U | 330 | U | | | | |
| BIS-(2-CHLOROETHYL)ETHER | 450 | U | 330 | U | 330 | U | | | | |
| 2-CHLOROPHENOL | 450 | U | 330 | U | 330 | U | | | | |
| 2-METHYLPHENOL | 450 | U | 330 | U | 330 | U | | | | |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 450 | UJ | 330 | UJ | 330 | U | | | | |
| ACETOPHENONE | 450 | U | 330 | U | 330 | U | | | | |
| 4-METHYLPHENOL | 450 | U | 330 | U | 330 | U | | | | |
| N-NITROSO-DI-N PROPYLAMINE | 450 | U | 330 | U | 330 | U | | | | |
| HEXACHLOROETHANE | 450 | U | 330 | U | 330 | U | | | | |
| NITROBENZENE | 450 | U | 330 | U | 330 | U | | | | |
| ISOPHORONE | 450 | U | 330 | U | 330 | U | | | | |
| 2-NITROPHENOL | 450 | U | 330 | U | 330 | U | | | | |
| 2,4-DIMETHYLPHENOL | 450 | U | 330 | U | 330 | U | | | | |
| BIS(2-CHLOROETHOXY)METHANE | 450 | U | 330 | U | 330 | U | | | | |
| 2,4-DICHLOROPHENOL | 450 | U | 330 | U | 330 | U | | | | |
| NAPHTHALENE | 450 | U | 330 | U | 330 | U | | | | |
| 4-CHLOROANILINE | 450 | U | 330 | U | 330 | U | | | | |
| HEXACHLOROBUTADIENE | 450 | U | 330 | U | 330 | U | | | | |
| CAPROLACTAM | 450 | U | 330 | U | 330 | U | | | | |
| 4-CHLORO-3-METHYLPHENOL | 450 | U | 330 | U | 330 | U | | | | |
| 2-METHYLNAPHTHALENE | 450 | U | 330 | U | 330 | U | | | | |
| HEXACHLOROCYCLO-PENTADIEN | 450 | U | 330 | U | 330 | U | | | | |
| 2,4,6-TRICHLOROPHENOL | 450 | U | 330 | U | 330 | U | | | | |
| 2,4,5-TRICHLOROPHENOL | 1100 | U | 830 | U | 830 | U | | | | |
| 1,1'-BIPHENYL | 450 | U | 330 | U | 330 | U | | | | |
| 2-CHLORONAPHTHALENE | 450 | U | 330 | U | 330 | U | | | | |
| 2-NITROANILINE | 1100 | U | 830 | U | 830 | U | | | | |
| DIMETHYLPHTHALATE | 450 | U | 330 | U | 330 | U | | | | |
| 2,6-DINITROTOLUENE | 450 | U | 330 | U | 330 | U | | | | |
| ACENAPHTHYLENE | 450 | U | 330 | U | 330 | U | | | | |
| 3-NITROANILINE | 1100 | U | 830 | U | 830 | U | | | | |
| ACENAPHTHENE | 450 | U | 330 | U | 330 | U | | | | |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0014 | | SBLKAX | | SBLKDJ | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X213 | | | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | | | | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | | | | |
| Date Sampled : | 04/08/2003 | | | | | | | | | |
| Time Sampled : | 17:20 | | | | | | | | | |
| %Moisture : | 28 | | N/A | | N/A | | | | | |
| pH : | 7.4 | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 1100 | U | 830 | U | 830 | U | | | | |
| 4-NITROPHENOL | 1100 | UJ | 830 | UJ | 830 | U | | | | |
| DIBENZOFURAN | 450 | U | 330 | U | 330 | U | | | | |
| 2,4-DINITROTOLUENE | 450 | U | 330 | U | 330 | U | | | | |
| DIETHYLPHTHALATE | 450 | U | 330 | U | 330 | U | | | | |
| FLUORENE | 450 | U | 330 | U | 330 | U | | | | |
| 4-CHLOROPHENYL-PHENYL ETHER | 450 | U | 330 | U | 330 | U | | | | |
| 4-NITROANILINE | 1100 | U | 830 | U | 830 | U | | | | |
| 4,6-DINITRO-2-METHYLPHENOL | 1100 | U | 830 | U | 830 | U | | | | |
| N-NITROSO DIPHENYLAMINE | 450 | U | 330 | U | 330 | U | | | | |
| 4-BROMOPHENYL-PHENYLETHER | 450 | U | 330 | U | 330 | U | | | | |
| HEXACHLOROBENZENE | 450 | U | 330 | U | 330 | U | | | | |
| ATRAZINE | 450 | U | 330 | U | 330 | U | | | | |
| PENTACHLOROPHENOL | 1100 | U | 830 | U | 830 | U | | | | |
| PHENANTHRENE | 450 | U | 330 | U | 330 | U | | | | |
| ANTHRACENE | 450 | U | 330 | U | 330 | U | | | | |
| CARBAZOLE | 450 | U | 330 | U | 330 | U | | | | |
| DI-N-BUTYLPHTHALATE | 450 | U | 330 | U | 330 | U | | | | |
| FLUORANTHENE | 450 | U | 330 | U | 330 | U | | | | |
| PYRENE | 450 | U | 330 | U | 330 | U | | | | |
| BUTYLBENZYLPHTHALATE | 450 | U | 330 | U | 330 | U | | | | |
| 3,3'-DICHLOROBENZIDINE | 450 | U | 330 | U | 330 | U | | | | |
| BENZO(A)ANTHRACENE | 450 | U | 330 | U | 330 | U | | | | |
| CHRYSENE | 450 | U | 330 | U | 330 | U | | | | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 450 | U | 59 | J | 330 | UJ | | | | |
| DI-N-OCTYLPHTHALATE | 450 | U | 330 | U | 330 | U | | | | |
| BENZO(B)FLUORANTHENE | 450 | U | 330 | U | 330 | U | | | | |
| BENZO(K)FLUORANTHENE | 450 | U | 330 | U | 330 | U | | | | |
| BENZO(A)PYRENE | 450 | U | 330 | U | 330 | U | | | | |
| INDENO(1,2,3-CD)-PYRENE | 450 | U | 330 | U | 330 | U | | | | |
| DIBENZO(A,H)-ANTHRACENE | 450 | U | 330 | U | 330 | U | | | | |
| BENZO(G,H,I)PERYLENE | 450 | U | 330 | U | 330 | U | | | | |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

Number of Soil Samples : 14
Number of Water Samples : 0

| Sample Number : | E0001 | | E0001MS | | E0001MSD | | E0002 | | E0002DL | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X214 | | X214 | | X214 | | X201 | | X201 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 17:35 | | 17:35 | | 17:35 | | 13:20 | | 13:20 | |
| %Moisture : | 33 | | 33 | | 33 | | 54 | | 54 | |
| pH : | 7.4 | | 7.4 | | 7.4 | | 7.4 | | 7.4 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 5.0 | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 2.5 | U | 2.5 | U | 2.5 | U | 3.7 | U | 18 | U |
| BETA-BHC | 2.5 | U | 2.5 | U | 2.5 | U | 3.7 | U | 18 | U |
| DELTA-BHC | 2.5 | U | 2.5 | U | 2.5 | U | 3.7 | U | 18 | U |
| GAMMA-BHC (LINDANE) | 2.5 | UJ | 11 | | 11 | | 3.7 | U | 18 | U |
| HEPTACHLOR | 2.5 | U | 12 | | 12 | | 3.7 | U | 18 | U |
| ALDRIN | 2.5 | U | 10 | | 9.6 | | 3.7 | U | 18 | U |
| HEPTACHLOR EPOXIDE | 2.5 | U | 2.5 | U | 2.5 | U | 3.7 | U | 18 | U |
| ENDOSU1FAN I | 2.5 | U | 2.5 | U | 2.5 | U | 3.7 | U | 18 | U |
| DIELDRIN | 4.9 | U | 27 | | 26 | | 7.2 | U | 36 | U |
| 4,4'-DDE | 4.9 | U | 4.9 | U | 4.9 | U | 160 | | 150 | |
| ENDRIN | 4.9 | U | 31 | | 30 | | 7.2 | U | 36 | U |
| ENDOSULFAN II | 4.9 | U | 4.9 | U | 4.9 | U | 7.2 | U | 36 | U |
| 4,4'-DDD | 4.9 | U | 4.9 | U | 4.9 | U | 32 | | 36 | U |
| ENDOSULFAN SULFATE | 4.9 | U | 4.9 | U | 4.9 | U | 7.2 | U | 36 | U |
| 4,4'-DDT | 4.9 | U | 26 | | 26 | | 21 | | 36 | U |
| METHOXYCHLOR | 25 | U | 25 | U | 25 | U | 37 | U | 180 | U |
| ENDRIN KETONE | 4.9 | U | 4.9 | U | 4.9 | U | 7.2 | U | 36 | U |
| ENDRIN ALDEHYDE | 4.9 | U | 4.9 | U | 4.9 | U | 7.2 | U | 36 | U |
| ALPHA-CHLORDANE | 2.5 | U | 2.5 | U | 2.5 | U | 3.7 | U | 18 | U |
| GAMMA-CHLORDANE | 2.5 | U | 2.5 | U | 2.5 | U | 3.7 | U | 18 | U |
| TOXAPHENE | 250 | U | 250 | U | 250 | U | 370 | U | 1800 | U |
| AROCLOR-1016 | 49 | U | 49 | U | 49 | U | 72 | U | 360 | U |
| AROCLOR-1221 | 99 | U | 100 | U | 100 | U | 150 | U | 730 | U |
| AROCLOR-1232 | 49 | U | 49 | U | 49 | U | 72 | U | 360 | U |
| AROCLOR-1242 | 49 | U | 49 | U | 49 | U | 72 | U | 360 | U |
| AROCLOR-1248 | 49 | U | 49 | U | 49 | U | 72 | U | 360 | U |
| AROCLOR-1254 | 49 | U | 49 | U | 49 | U | 72 | U | 360 | U |
| AROCLOR-1260 | 49 | U | 49 | U | 49 | U | 72 | U | 360 | U |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0003 | | E0004 | | E0005 | | E0006 | | E0007 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X202 | | X203 | | X204 | | X205 | | X206 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 13:40 | | 14:30 | | 14:50 | | 14:50 | | 15:40 | |
| %Moisture : | 46 | | 29 | | 27 | | 28 | | 30 | |
| pH : | 6.7 | | 7.9 | | 7.3 | | 7.4 | | 7.7 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| BETA-BHC | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| DELTA-BHC | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| GAMMA-BHC (LINDANE) | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| HEPTACHLOR | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| ALDRIN | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| HEPTACHLOR EPOXIDE | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| ENDOSU1FAN I | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| DIELDRIN | 6.1 | U | 4.6 | U | 4.5 | U | 4.6 | U | 4.7 | U |
| 4,4'-DDE | 77 | | 4.6 | U | 4.5 | U | 4.6 | U | 4.7 | U |
| ENDRIN | 6.1 | U | 4.6 | U | 4.5 | U | 4.6 | U | 4.7 | U |
| ENDOSULFAN II | 6.1 | U | 4.6 | U | 4.5 | U | 4.6 | U | 4.7 | U |
| 4,4'-DDD | 28 | | 4.6 | U | 4.5 | U | 4.6 | U | 4.7 | U |
| ENDOSULFAN SULFATE | 6.1 | U | 4.6 | U | 4.5 | U | 4.6 | U | 4.7 | U |
| 4'-DDT | 18 | | 4.6 | U | 4.5 | U | 4.6 | U | 4.7 | U |
| METHOXYCHLOR | 31 | U | 24 | U | 23 | U | 24 | U | 24 | U |
| ENDRIN KETONE | 6.1 | U | 4.6 | U | 4.5 | U | 4.6 | U | 4.7 | U |
| ENDRIN ALDEHYDE | 6.1 | U | 4.6 | U | 4.5 | U | 4.6 | U | 4.7 | U |
| ALPHA-CHLORDANE | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| GAMMA-CHLORDANE | 3.1 | U | 2.4 | U | 2.3 | U | 2.4 | U | 2.4 | U |
| TOXAPHENE | 310 | U | 240 | U | 230 | U | 240 | U | 240 | U |
| AROCLOR-1016 | 61 | U | 46 | U | 45 | U | 46 | U | 47 | U |
| AROCLOR-1221 | 120 | U | 93 | U | 91 | U | 93 | U | 95 | U |
| AROCLOR-1232 | 61 | U | 46 | U | 45 | U | 46 | U | 47 | U |
| AROCLOR-1242 | 61 | U | 46 | U | 45 | U | 46 | U | 47 | U |
| AROCLOR-1248 | 61 | U | 46 | U | 45 | U | 46 | U | 47 | U |
| AROCLOR-1254 | 61 | U | 46 | U | 45 | U | 46 | U | 47 | U |
| AROCLOR-1260 | 61 | U | 46 | U | 45 | U | 46 | U | 47 | U |

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**Analytical Results (Qualified Data)**

Case # 31584 SDG : E0001
Site : ARGONNE PLOT M
Lab. CEIMIC
Reviewer :
Date :

| Sample Number : | E0008 | | E0009 | | E0010 | | E0011 | | E0012 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X207 | | X208 | | X209 | | X210 | | X211 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 15:50 | | 16:05 | | 16:20 | | 16:35 | | 16:55 | |
| %Moisture : | 33 | | 17 | | 40 | | 17 | | 26 | |
| pH : | 7.1 | | 7.7 | | 7.5 | | 7.5 | | 7.7 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| BETA-BHC | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| DELTA-BHC | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| GAMMA-BHC (LINDANE) | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| HEPTACHLOR | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| ALDRIN | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| HEPTACHLOR EPOXIDE | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| ENDOSU1FAN I | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| DIELDRIN | 4.9 | U | 4.0 | U | 5.4 | U | 4.0 | U | 4.5 | U |
| 4,4'-DDE | 4.9 | U | 4.0 | U | 5.4 | U | 4.0 | U | 4.5 | U |
| ENDRIN | 4.9 | U | 4.0 | U | 5.4 | U | 4.0 | U | 4.5 | U |
| ENDOSULFAN II | 4.9 | U | 4.0 | U | 5.4 | U | 4.0 | U | 4.5 | U |
| 4,4'-DDD | 4.9 | U | 4.0 | U | 5.4 | U | 4.0 | U | 4.5 | U |
| ENDOSULFAN SULFATE | 4.9 | U | 4.0 | U | 5.4 | U | 4.0 | U | 4.5 | U |
| 4,4'-DDT | 4.9 | U | 4.0 | U | 5.4 | U | 4.0 | U | 4.5 | U |
| METHOXYCHLOR | 25 | U | 20 | U | 28 | U | 20 | U | 23 | U |
| ENDRIN KETONE | 4.9 | U | 4.0 | U | 5.4 | U | 4.0 | U | 4.5 | U |
| ENDRIN ALDEHYDE | 4.9 | U | 4.0 | U | 5.4 | U | 4.0 | U | 4.5 | U |
| ALPHA-CHLORDANE | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| GAMMA-CHLORDANE | 2.5 | U | 2.0 | U | 2.8 | U | 2.0 | U | 2.3 | U |
| TOXAPHENE | 250 | U | 200 | U | 280 | U | 200 | U | 230 | U |
| AROCLOR-1016 | 49 | U | 40 | U | 54 | U | 40 | U | 45 | U |
| AROCLOR-1221 | 99 | U | 80 | U | 110 | U | 80 | U | 91 | U |
| AROCLOR-1232 | 49 | U | 40 | U | 54 | U | 40 | U | 45 | U |
| AROCLOR-1242 | 49 | U | 40 | U | 54 | U | 40 | U | 45 | U |
| AROCLOR-1248 | 49 | U | 40 | U | 54 | U | 40 | U | 45 | U |
| AROCLOR-1254 | 49 | U | 40 | U | 54 | U | 40 | U | 45 | U |
| AROCLOR-1260 | 49 | U | 40 | U | 54 | U | 40 | U | 45 | U |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0001
Site ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0013 | | E0014 | | PBLK01 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X212 | | X213 | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | | | | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | | | | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | | | | | | |
| Time Sampled : | 17:10 | | 17:20 | | | | | | | |
| %Moisture : | 29 | | 28 | | N/A | | | | | |
| pH : | 8.0 | | 7.4 | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | | | | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| BETA-BHC | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| DELTA-BHC | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| GAMMA-BHC (LINDANE) | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| HEPTACHLOR | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| ALDRIN | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| HEPTACHLOR EPOXIDE | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| ENDOSU1FAN I | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| DIELDRIN | 4.6 | U | 4.6 | U | 3.3 | U | | | | |
| 4,4'-DDE | 4.6 | U | 4.6 | U | 3.3 | U | | | | |
| ENDRIN | 4.6 | U | 4.6 | U | 3.3 | U | | | | |
| ENDOSULFAN II | 4.6 | U | 4.6 | U | 3.3 | U | | | | |
| 4,4'-DDD | 4.6 | U | 4.6 | U | 3.3 | U | | | | |
| ENDOSULFAN SULFATE | 4.6 | U | 4.6 | U | 3.3 | U | | | | |
| 4,4'-DDT | 4.6 | U | 4.6 | U | 3.3 | U | | | | |
| METHOXYCHLOR | 24 | U | 23 | U | 17 | U | | | | |
| ENDRIN KETONE | 4.6 | U | 4.6 | U | 3.3 | U | | | | |
| ENDRIN ALDEHYDE | 4.6 | U | 4.6 | U | 3.3 | U | | | | |
| ALPHA-CHLORDANE | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| GAMMA-CHLORDANE | 2.4 | U | 2.3 | U | 1.7 | U | | | | |
| TOXAPHENE | 240 | U | 230 | U | 170 | U | | | | |
| AROCLOR-1016 | 46 | U | 46 | U | 33 | U | | | | |
| AROCLOR-1221 | 93 | U | 92 | U | 67 | U | | | | |
| AROCLOR-1232 | 46 | U | 46 | U | 33 | U | | | | |
| AROCLOR-1242 | 46 | U | 46 | U | 33 | U | | | | |
| AROCLOR-1248 | 46 | U | 46 | U | 33 | U | | | | |
| AROCLOR-1254 | 46 | U | 46 | U | 33 | U | | | | |
| AROCLOR-1260 | 46 | U | 46 | U | 33 | U | | | | |

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Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 4-30-03

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: PLOT M. PALOS FOREST PRESERVE (ARGONNE) (IL)

CASE NUMBER: 31584 SDG NUMBER: E0001

Number and Type of Samples: 14 (SOIL)

Sample Numbers: E0001-14

Laboratory: CEIMIC Hrs for Review:

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

# SAMPLE DELIVERY GROUP (SDG)
# TRAFFIC REPORT (TR) COVERSHEET

**Lab Name:** Ceimic Corporation **Lab Code:** CEIMIC

**Case No.:** 31584 **Bid Lot:** A

**Contract No:** 68-W-03-018 **Full Sample Analysis Price:** $264.00

---

**First Sample in SDG:** E0001 **Sample Receipt Date:** 4/12/2003
*(Lowest EPA Sample Number in the first shipment of samples received under SDG.)*

**Last Sample in SDG:** E0014 **Sample Receipt Date:** 4/12/2003
*(Highest EPA Sample Number in the last shipment of samples received under SDG.)*

---

EPA Sample Numbers in the SDG (listed in alphanumeric order by date received)

| | |
|---|---|
| **1.** E0001 | **11.** E0011 |
| **2.** E0002 | **12.** E0012 |
| **3.** E0003 | **13.** E0013 |
| **4.** E0004 | **14.** E0014 |
| **5.** E0005 | **15.** |
| **6.** E0006 | **16.** |
| **7.** E0007 | **17.** |
| **8.** E0008 | **18.** |
| **9.** E0009 | **19.** |
| **10.** E0010 | **20.** |

*Note: There are a maximum of 20 field samples in an SDG.*

Attach Traffic Reports to this form in alphanumeric order by date received.
(i.e. The order listed on this form)

Jessica Robertson
Signature

4/15/03
Date

# USEPA Contract Laboratory Program
# Organic Traffic Report & Chain of Custody Record

Case No: 31584
DAS No:
SDG No: ~~E0015~~/E0008 E009

L

| | | | |
|---|---|---|---|
| Date Shipped: ~~4/9/03~~ 4/8/03 | Chain of Custody Record | Sampler Signature: | For Lab Use Only EA 4/12/03 |
| Carrier Name: UPS | Relinquished By (Date / Time) | Received By (Date / Time) | Lab Contract No: 68W03018 |
| Airbill: 1Z6215892210022724 | 1 Lance L Ring 4/11/03 1000 | Elizabeth String 4/12/03 10:00 | Unit Price: A |
| Shipped to: Ceimic Corporation, 10 Dean Knauss Drive, Narragansett RI 02882, (401) 782-8900 | 2 EA 4/12/03 | | Transfer To: EA 4/12/03 |
| | 3 | | Lab Contract No: |
| | 4 | | Unit Price: |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|
| E0001 | Soil/Sediment/ Lance Range | | BNA/PEST (21) | 5-279902 (Ice Only) (1) | X214 | S: 4/8/03 17:35 | ME0001 | |
| E0002 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279952 (Ice Only), 5-279953 (Ice Only), 5-279954 (Ice Only) (3) | X201 | S: 4/8/03 13:20 | ME0002 | |
| E0003 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279950 (Ice Only), 5-279956 (Ice Only), 5-279957 (Ice Only) (3) | X202 | S: 4/8/03 13:40 | ME0003 | |
| E0004 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279949 (Ice Only), 5-279958 (Ice Only), 5-279960 (Ice Only) (3) | X203 | S: 4/8/03 14:30 | ME0004 | |
| E0005 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279962 (Ice Only), 5-279963 (Ice Only), 5-279964 (Ice Only) (3) | X204 | S: 4/8/03 14:50 | ME0005 | |
| E0006 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279967 (Ice Only), 5-279972 (Ice Only), 5-279973 (Ice Only) (3) | X205 | S: 4/8/03 14:50 | ME0006 | |
| E0007 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279970 (Ice Only), 5-279988 (Ice Only), 5-279989 (Ice Only) (3) | X206 | S: 4/8/03 15:40 | ME0007 | |
| E0008 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279975 (Ice Only), 5-279990 (Ice Only), 5-279991 (Ice Only) (3) | X207 | S: 4/8/03 15:50 | ME0008 | |
| E0009 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279978 (Ice Only), 5-279992 (Ice Only), 5-279993 (Ice Only) (3) | X208 | S: 4/8/03 16:05 | ME0009 | |
| E0010 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279981 (Ice Only), 5-279994 (Ice Only), 5-279995 (Ice Only) (3) | X209 | S: 4/8/03 16:20 | ME0010 | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete?N | Sample(s) to be used for laboratory QC: E0001, E0005, E0006 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: EA 4/12/03 | Chain of Custody Seal Number: 81188 |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? ✓ Shipment Iced? ✓ |

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

TR Number: 5-414630194-041103-0003

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

# USEPA Contract Laboratory Program
# Organic Traffic Report & Chain of Custody Record

Case No: 31584
DAS No:
SDG No: E0001
L

| | | | | | |
|---|---|---|---|---|---|
| Date Shipped: ~~4/9/03~~ 4/11/03 | Chain of Custody Record | | Sampler Signature: | | For Lab Use Only |
| Carrier Name: UPS | Relinquished By | (Date / Time) | Received By | (Date / Time) | Lab Contract No: 68W03018 |
| Airbill: 1Z6215892210022724 | 1 [illegible] | 4/11/03 1000 | Elizabeth Astring | 4/12/03 10:00 | Unit Price: A |
| Shipped to: Ceimic Corporation, 10 Dean Knauss Drive, Narragansett RI 02882, (401) 782-8900 | 2 | | | | Transfer To: EA 4/12/03 |
| | 3 | EA | 4/12/03 | | Lab Contract No: |
| | 4 | | | | Unit Price: |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| E0011 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279984 (Ice Only), 5-279996 (Ice Only), 5-279997 (Ice Only) (3) | X210 | S: 4/8/03 | 16:35 | ME0011 | |
| E0012 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279961 (Ice Only), 5-279968 (Ice Only), 5-279999 (Ice Only) (3) | X211 | S: 4/8/03 | 16:55 | ME0012 | |
| E0013 | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279976 (Ice Only), 5-279979 (Ice Only), 5-279982 (Ice Only) (3) | X212 | S: 4/8/03 | 17:10 | ME0013 | |
| E0014 * | Soil/Sediment/ Lance Range | | BNA/PEST (21), VOA (21) | 5-279986 (Ice Only), 5-279987 (Ice Only), 5-280000 (Ice Only) (3) | X213 | S: 4/8/03 | 17:20 | ME0014 | |

*=last sample in SDG E0001

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete?N | Sample(s) to be used for laboratory QC: E0001, E0005, E0006 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt EA 4/12/03 | Chain of Custody Seal Number: 81188 |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? ✓ Shipment Iced? ✓ |

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

TR Number: 5-414630194-041103-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

LABORATORY COPY

# USEPA Contract Laboratory Program
# Organic Traffic Report & Chain of Custody Record

Case No: 31584
DAS No:
SDG No: E0001

L

| | |
|---|---|
| Date Shipped: | 4/11/03 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210022724 |
| Shipped to: | Ceimic Corporation<br>10 Dean Knauss Drive<br>Narragansett RI 02882<br>(401) 782-8900 |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 Lance Range | 4/11/03 1000 | Elizabeth String | 4/12/03 10:00 |
| 2 EA | | | |
| 3 | | 4/12/03 | |
| 4 | | | |

Sampler Signature:

**For Lab Use Only**

Lab Contract No: 68W03018
Unit Price: A
Transfer To: EA 4/12/03
Lab Contract No:
Unit Price:

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| E0001 | Soil/Sediment/ Lance Range | | VOA (21) | 5-279903 (Ice Only), 5-279904 (Ice Only), 5-279905 (Ice Only), 5-279906 (Ice Only) (4) | X214 | S: 4/8/03 | 17:35 | ME0001 | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete?N yes 22 | Sample(s) to be used for laboratory QC: E0001 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: EA 4/12/03 | Chain of Custody Seal Number: 81188 |
| Analysis Key: VOA = CLP TCL Volatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? ✓ Shipment Iced? ✓ |

TR Number: 5-414630194-041103-0007

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 703/264-9348 Fax 703/264-9222

APR 3 0 2003

## SDG Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 31584, SDG No. E0001, Contract No. 68-W-03-018. Under this SDG there are 16 VOA, 16 SVOA and 16 Pest/PCB analyses for 14 soil samples received at Ceimic Corporation on April 12, 2003.

| EPA ID: | CEIMIC ID: | Analysis |
|---|---|---|
| E0001 | 030391-01 | VOA, SVOA, Pest/PCB |
| E0001MS | 030391-01ms | VOA, SVOA, Pest/PCB |
| E0001MSD | 030391-01msd | VOA, SVOA, Pest/PCB |
| E0002 | 030391-02 | VOA, SVOA, Pest/PCB |
| E0003 | 030391-03 | VOA, SVOA, Pest/PCB |
| E0004 | 030391-04 | VOA, SVOA, Pest/PCB |
| E0005 | 030391-05 | VOA, SVOA, Pest/PCB |
| E0006 | 030391-06 | VOA, SVOA, Pest/PCB |
| E0007 | 030391-07 | VOA, SVOA, Pest/PCB |
| E0008 | 030391-08 | VOA, SVOA, Pest/PCB |
| E0009 | 030391-09 | VOA, SVOA, Pest/PCB |
| E0010 | 030391-10 | VOA, SVOA, Pest/PCB |
| E0011 | 030391-11 | VOA, SVOA, Pest/PCB |
| E0012 | 030391-12 | VOA, SVOA, Pest/PCB |
| E0013 | 030391-13 | VOA, SVOA, Pest/PCB |
| E0014 | 030391-14 | VOA, SVOA, Pest/PCB |

**Sample Receipt**

Cooler Temperatures upon receipt were 6°C.

**(2) Instrumentation and Column Identification**

The following instruments were used for the analyses:

**GC/MS Analysis**

A. VOA

MS12 HP5973 GC/MS,25 m, 0.20mm ID, 1um, DB-624 capillary column
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS1 HP5890SeriesII GC, HP5972MS,30 m,25 mm ID, ZB-5 fused silica capillary column

MS4 HP5890SeriesII GC, HP5970BMS,30 m,25 mm ID, ZB-5 fused silica capillary column

C. Pest/PCB

AD6: HP5890II (GC8) using 30m x 0.53mm ID, DB5 megabore column
AD7: HP5890II (GC8) using 30m x 0.53mm ID, DB35 megabore column

(3) **Sample Information**

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letters "M" for GC/MS and "FF" for GC are used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The %moistures of the soil samples were:

| Client ID: | Ceimic ID: | %M: |
|---|---|---|
| E0001 | 030391-01 | 20 |
| E0002 | 030391-02 | 60 |
| E0003 | 030391-03 | 60 |
| E0004 | 030391-04 | 25 |
| E0005 | 030391-05 | 27 |
| E0006 | 030391-06 | 32 |
| E0007 | 030391-07 | 27 |
| E0008 | 030391-08 | 39 |
| E0009 | 030391-09 | 22 |
| E0010 | 030391-10 | 47 |
| E0011 | 030391-11 | 25 |
| E0012 | 030391-12 | 30 |
| E0013 | 030391-13 | 27 |
| E0014 | 030391-14 | 31 |

The Relative Percent Differences (RPD) of trichloroethene, toluene, and chlorobenzene were flagged as outliers in the comparison of the duplicate matrix spikes.

B. SVOA Fraction (Method CLP SOW OLM04.3)

The pH and %moisture of the soil samples was:

| Client ID: | Ceimic ID: | pH | %M |
|---|---|---|---|
| E0001 | 030391-01 | 7.4 | 33 |
| E0002 | 030391-02 | 7.4 | 54 |
| E0003 | 030391-03 | 6.7 | 46 |
| E0004 | 030391-04 | 7.9 | 29 |
| E0005 | 030391-05 | 7.3 | 27 |
| E0006 | 030391-06 | 7.4 | 28 |
| E0007 | 030391-07 | 7.7 | 30 |
| E0008 | 030391-08 | 7.1 | 33 |
| E0009 | 030391-09 | 7.7 | 17 |
| E0010 | 030391-10 | 7.5 | 40 |
| E0011 | 030391-11 | 7.5 | 17 |
| E0012 | 030391-12 | 7.7 | 26 |
| E0013 | 030391-13 | 8.0 | 29 |
| E0014 | 030391-14 | 7.4 | 28 |

The recovery of the surrogate, 1,2-dichlorobenzene-d4, did not meet quality control criteria in the analyses of sample E0002. The recovery of the spike compounds N-nitroso-di-n-propylamine and pyrene were flagged as outliers in the matrix spike duplicate. The majority of the Relative Percent Differences (RPDs) failed quality control criteria in the comparison of the duplicate matrix spikes. In accordance with the Statement of Work (SOW), we have reported the data without further analysis.

C. Pest/PCB Fraction (Method CLP SOW OLM04.3)

All samples were extracted and analyzed within their respective holding times.

The following sample(s) contain one or more target analytes at concentration(s) exceeding the linear range of the initial calibration; the extract(s) were diluted and reanalyzed:

| **Sample** | **Dilution Factor** |
|---|---|
| **E0002** | 5 |

Gamma-BHC recovery was low in E0001MS (44%) and E0001MSD (44%).

No other non-compliances were noted.

**Deviations from the SOW**

None other than specified above.

End of SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Ines Bauer

Ines Bauer, Laboratory Manager

4/25/03

Date

ALKANE NARRATIVE REPORT
Report date : 04/22/2003
SDG: E0001

Client Sample ID: E0001 Lab Sample ID: 030391-01 File ID: AE964

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 12.76 | 380 | J |
| Unknown Straight-Chain Alkane | 14.05 | 580 | J |

Client Sample ID: E0004 Lab Sample ID: 030391-04 File ID: AE967

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 12.80 | 290 | J |
| Unknown Straight-Chain Alkane | 14.09 | 490 | J |
| Unknown Straight-Chain Alkane | 15.88 | 460 | J |

Client Sample ID: E0005 Lab Sample ID: 030391-05 File ID: AE968

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 12.80 | 340 | J |
| Unknown Straight-Chain Alkane | 14.10 | 360 | J |

Client Sample ID: E0006 Lab Sample ID: 030391-06 File ID: AE969

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 12.77 | 300 | J |

Client Sample ID: E0007 Lab Sample ID: 030391-07 File ID: AE970

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Branched Alkane | 10.19 | 370 | J |
| Unknown Straight-Chain Alkane | 12.82 | 440 | J |
| Unknown Straight-Chain Alkane | 14.12 | 670 | J |
| Unknown Straight-Chain Alkane | 15.93 | 280 | J |

Client Sample ID: E0008 Lab Sample ID: 030391-08 File ID: AE971

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Cyclic Alkane | 10.37 | 780 | J |
| Unknown Straight-Chain Alkane | 12.87 | 390 | J |
| Unknown Straight-Chain Alkane | 14.17 | 550 | J |

Client Sample ID: E0009 Lab Sample ID: 030391-09 File ID: AE972

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 9.91 | 110 | J |
| Unknown Straight-Chain Alkane | 12.89 | 290 | J |
| Unknown Straight-Chain Alkane | 14.19 | 370 | J |
| Unknown Branched Alkane | 15.99 | 170 | J |

Client Sample ID: E0010 Lab Sample ID: 030391-10 File ID: AE973

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Branched Alkane | 10.52 | 150 | J |
| Unknown Branched Alkane | 12.88 | 1200 | J |
| Unknown Straight-Chain Alkane | 14.17 | 1500 | J |
| Unknown Straight-Chain Alkane | 15.98 | 650 | J |

Client Sample ID: E0011 Lab Sample ID: 030391-11 File ID: AE974

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 9.90 | 84 | J |
| Unknown Straight-Chain Alkane | 12.88 | 350 | J |
| Unknown Straight-Chain Alkane | 14.17 | 560 | J |

Client Sample ID: E0012 Lab Sample ID: 030391-12 File ID: AE975

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 9.59 | 120 | J |
| Unknown Straight-Chain Alkane | 9.91 | 110 | J |
| Unknown Branched Alkane | 10.22 | 120 | J |
| Unknown Straight-Chain Alkane | 10.83 | 150 | J |
| Unknown Straight-Chain Alkane | 12.88 | 690 | J |
| Unknown Branched Alkane | 13.47 | 160 | J |
| Unknown Straight-Chain Alkane | 14.18 | 1000 | J |
| Unknown Straight-Chain Alkane | 15.99 | 450 | J |

Client Sample ID: E0013 Lab Sample ID: 030391-13 File ID: AE976

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 9.90 | 100 | J |
| Unknown Straight-Chain Alkane | 11.15 | 290 | J |
| Unknown Straight-Chain Alkane | 12.87 | 1000 | J |
| Unknown Straight-Chain Alkane | 14.17 | 1000 | J |
| Unknown Straight-Chain Alkane | 15.97 | 1200 | J |

Client Sample ID: E0014 Lab Sample ID: 030391-14 File ID: AE977

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Branched Alkane | 10.49 | 110 | J |
| Unknown Straight-Chain Alkane | 12.84 | 970 | J |
| Unknown Straight-Chain Alkane | 14.13 | 810 | J |
| Unknown Straight-Chain Alkane | 15.94 | 290 | J |

Client Sample ID: E0003 Lab Sample ID: 030391-03 File ID: DG319

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Straight-Chain Alkane | 10.38 | 190 | J |
| Unknown Straight-Chain Alkane | 12.26 | 200 | J |
| Unknown Straight-Chain Alkane | 12.89 | 1400 | J |
| Unknown Straight-Chain Alkane | 13.25 | 120 | J |
| Unknown Branched Alkane | 13.67 | 1300 | J |

Client Sample ID: E0002 Lab Sample ID: 030391-02 File ID: DG320

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Cyclic Alkane | 10.31 | 200 | J |
| Unknown Straight-Chain Alkane | 11.06 | 150 | J |
| Unknown Straight-Chain Alkane | 11.68 | 240 | J |
| Unknown Straight-Chain Alkane | 12.27 | 330 | J |
| Unknown Straight-Chain Alkane | 12.58 | 420 | J |
| Unknown Straight-Chain Alkane | 13.68 | 1200 | J |
| Unknown Straight-Chain Alkane | 14.70 | 270 | J |

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Level:(low/med) LOW

| | EPA SAMPLE NO. | SMC1 (TOL) # | SMC2 (BFB) # | SMC3 (DCE) # | OTHER | TOT OUT |
|---|---|---|---|---|---|---|
| 01 | VBLKLS | 100 | 100 | 96 | | 0 |
| 02 | E0001 | 100 | 98 | 96 | | 0 |
| 03 | E0002 | 100 | 92 | 92 | | 0 |
| 04 | E0003 | 100 | 87 | 91 | | 0 |
| 05 | E0004 | 100 | 98 | 100 | | 0 |
| 06 | E0005 | 102 | 97 | 98 | | 0 |
| 07 | E0006 | 100 | 96 | 99 | | 0 |
| 08 | VBLKLT | 98 | 98 | 92 | | 0 |
| 09 | E0001MS | 97 | 97 | 93 | | 0 |
| 10 | E0007 | 98 | 98 | 94 | | 0 |
| 11 | E0008 | 99 | 97 | 92 | | 0 |
| 12 | E0009 | 96 | 98 | 93 | | 0 |
| 13 | E0010 | 99 | 96 | 92 | | 0 |
| 14 | E0011 | 98 | 97 | 94 | | 0 |
| 15 | E0012 | 98 | 97 | 92 | | 0 |
| 16 | E0013 | 99 | 99 | 94 | | 0 |
| 17 | E0014 | 98 | 97 | 92 | | 0 |
| 18 | VBLKLV | 98 | 96 | 94 | | 0 |
| 19 | E0001MSD | 98 | 95 | 95 | | 0 |
| 20 | VHBLK01 | 98 | 96 | 92 | | 0 |
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| | | QC LIMITS |
|---|---|---|
| SMC1 (TOL) | = Toluene-d8 | (84-138) |
| SMC2 (BFB) | = Bromofluorobenzene | (59-113) |
| SMC3 (DCE) | = 1,2-Dichloroethane-d4 | (70-121) |

# Column to be used to flag recovery values

* Values outside of contract required QC limits

# SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix Spike - EPA Sample No.: E0001 Level:(low/med) LOW

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 58 | 0.0 | 38 | 66 | 59-172 |
| Trichloroethene | 58 | 0.0 | 41 | 71 | 62-137 |
| Benzene | 58 | 0.0 | 44 | 76 | 66-142 |
| Toluene | 58 | 0.0 | 40 | 69 | 59-139 |
| Chlorobenzene | 58 | 0.0 | 38 | 66 | 60-133 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 65 | 47 | 72 | 9 | 22 | 59-172 |
| Trichloroethene | 65 | 62 | 95 | 29* | 24 | 62-137 |
| Benzene | 65 | 61 | 94 | 21 | 21 | 66-142 |
| Toluene | 65 | 64 | 98 | 35* | 21 | 59-139 |
| Chlorobenzene | 65 | 64 | 98 | 39* | 21 | 60-133 |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 3 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

# VOLATILE METHOD BLANK SUMMARY

VBLKLS

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0001

Lab File ID: LO121  Lab Sample ID: V120418-B1

Date Analyzed: 04/18/03  Time Analyzed: 1035

GC Column: RTX-624  ID: 0.25 (mm)  Heated Purge: (Y/N) Y

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E0001 | 030391-01 | LO132 | 1739 |
| 02 | E0002 | 030391-02 | LO133 | 1813 |
| 03 | E0003 | 030391-03 | LO134 | 1848 |
| 04 | E0004 | 030391-04 | LO135 | 1922 |
| 05 | E0005 | 030391-05 | LO136 | 1956 |
| 06 | E0006 | 030391-06 | LO137 | 2030 |
| 07 | | | | |
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COMMENTS:

EPA SAMPLE NO.

# VOLATILE METHOD BLANK SUMMARY

VBLKLT

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Lab File ID: LO141 Lab Sample ID: V120421-B1

Date Analyzed: 04/21/03 Time Analyzed: 0953

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E0001MS | 030391-01MS | LO143 | 1125 |
| 02 | E0007 | 030391-07 | LO145 | 1236 |
| 03 | E0008 | 030391-08 | LO146 | 1311 |
| 04 | E0009 | 030391-09 | LO147 | 1346 |
| 05 | E0010 | 030391-10 | LO148 | 1421 |
| 06 | E0011 | 030391-11 | LO149 | 1457 |
| 07 | E0012 | 030391-12 | LO150 | 1532 |
| 08 | E0013 | 030391-13 | LO151 | 1608 |
| 09 | E0014 | 030391-14 | LO152 | 1644 |
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COMMENTS:

4A

EPA SAMPLE NO.

# VOLATILE METHOD BLANK SUMMARY

VBLKLV

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0001

Lab File ID: LO182  Lab Sample ID: V120422-B1

Date Analyzed: 04/22/03  Time Analyzed: 1029

GC Column: RTX-624  ID: 0.25 (mm)  Heated Purge: (Y/N) Y

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E0001MSD | 030391-01MSD | LO183 | 1124 |
| 02 | VHBLK01 | 030391-21 | LO184 | 1159 |
| 03 | | | | |
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COMMENTS:

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0001

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01

Sample wt/vol: 5.5(g/mL) G Lab File ID: LO132

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 20 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 11 | U |
| 108-87-2 | Methylcyclohexane | 11 | U |
| 78-87-5 | 1,2-Dichloropropane | 11 | U |
| 75-27-4 | Bromodichloromethane | 11 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 11 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 11 | U |
| 108-88-3 | Toluene | 11 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 11 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 11 | U |
| 127-18-4 | Tetrachloroethene | 11 | U |
| 591-78-6 | 2-Hexanone | 11 | U |
| 124-48-1 | Dibromochloromethane | 11 | U |
| 106-93-4 | 1,2-Dibromoethane | 11 | U |
| 108-90-7 | Chlorobenzene | 11 | U |
| 100-41-4 | Ethylbenzene | 11 | U |
| 1330-20-7 | Xylene (Total) | 11 | U |
| 100-42-5 | Styrene | 11 | U |
| 75-25-2 | Bromoform | 11 | U |
| 98-82-8 | Isopropylbenzene | 11 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 11 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 11 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 11 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 11 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 11 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 11 | U |

1A

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0002

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-02

Sample wt/vol: 5.4 (g/mL) G Lab File ID: LO133

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 60 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 23 | U |
| 74-87-3 | Chloromethane | 23 | U |
| 75-01-4 | Vinyl Chloride | 23 | U |
| 74-83-9 | Bromomethane | 23 | U |
| 75-00-3 | Chloroethane | 23 | U |
| 75-69-4 | Trichlorofluoromethane | 23 | U |
| 75-35-4 | 1,1-Dichloroethene | 23 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 23 | U |
| 67-64-1 | Acetone | 23 | U |
| 75-15-0 | Carbon Disulfide | 23 | U |
| 79-20-9 | Methyl Acetate | 23 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 23 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 23 | U |
| 75-34-3 | 1,1-Dichloroethane | 23 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 23 | U |
| 78-93-3 | 2-Butanone | 23 | U |
| 67-66-3 | Chloroform | 23 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 23 | U |
| 110-82-7 | Cyclohexane | 23 | U |
| 56-23-5 | Carbon Tetrachloride | 23 | U |
| 71-43-2 | Benzene | 23 | U |
| 107-06-2 | 1,2-Dichloroethane | 23 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0001

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01

Sample wt/vol: 5.5 (g/mL) G Lab File ID: LO132

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 20 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
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# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0001MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MS

Sample wt/vol: 5.4(g/mL) G Lab File ID: LO143

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 20 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 12 | U |
| 74-87-3 | Chloromethane | 12 | U |
| 75-01-4 | Vinyl Chloride | 12 | U |
| 74-83-9 | Bromomethane | 12 | U |
| 75-00-3 | Chloroethane | 12 | U |
| 75-69-4 | Trichlorofluoromethane | 12 | U |
| 75-35-4 | 1,1-Dichloroethene | 38 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 12 | U |
| 67-64-1 | Acetone | 12 | U |
| 75-15-0 | Carbon Disulfide | 12 | U |
| 79-20-9 | Methyl Acetate | 12 | U |
| 75-09-2 | Methylene Chloride | 2 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 12 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 12 | U |
| 75-34-3 | 1,1-Dichloroethane | 12 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 12 | U |
| 78-93-3 | 2-Butanone | 12 | U |
| 67-66-3 | Chloroform | 12 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 12 | U |
| 110-82-7 | Cyclohexane | 12 | U |
| 56-23-5 | Carbon Tetrachloride | 12 | U |
| 71-43-2 | Benzene | 44 | |
| 107-06-2 | 1,2-Dichloroethane | 12 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0001MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MS

Sample wt/vol: 5.4(g/mL) G Lab File ID: LO143

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 20 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 41 | |
| 108-87-2 | Methylcyclohexane | 12 | U |
| 78-87-5 | 1,2-Dichloropropane | 12 | U |
| 75-27-4 | Bromodichloromethane | 12 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 12 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 12 | U |
| 108-88-3 | Toluene | 40 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 12 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 12 | U |
| 127-18-4 | Tetrachloroethene | 12 | U |
| 591-78-6 | 2-Hexanone | 12 | U |
| 124-48-1 | Dibromochloromethane | 12 | U |
| 106-93-4 | 1,2-Dibromoethane | 12 | U |
| 108-90-7 | Chlorobenzene | 38 | |
| 100-41-4 | Ethylbenzene | 12 | U |
| 1330-20-7 | Xylene (Total) | 12 | U |
| 100-42-5 | Styrene | 12 | U |
| 75-25-2 | Bromoform | 12 | U |
| 98-82-8 | Isopropylbenzene | 12 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 12 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 12 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 12 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 12 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 12 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 12 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0001MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MSD

Sample wt/vol: 4.8(g/mL) G Lab File ID: L0183

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 20 Date Analyzed: 04/22/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 13 | U |
| 74-87-3 | Chloromethane | 13 | U |
| 75-01-4 | Vinyl Chloride | 13 | U |
| 74-83-9 | Bromomethane | 13 | U |
| 75-00-3 | Chloroethane | 13 | U |
| 75-69-4 | Trichlorofluoromethane | 13 | U |
| 75-35-4 | 1,1-Dichloroethene | 47 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-15-0 | Carbon Disulfide | 13 | U |
| 79-20-9 | Methyl Acetate | 13 | U |
| 75-09-2 | Methylene Chloride | 3 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 13 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 13 | U |
| 75-34-3 | 1,1-Dichloroethane | 13 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 13 | U |
| 78-93-3 | 2-Butanone | 13 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 13 | U |
| 110-82-7 | Cyclohexane | 13 | U |
| 56-23-5 | Carbon Tetrachloride | 13 | U |
| 71-43-2 | Benzene | 61 | |
| 107-06-2 | 1,2-Dichloroethane | 13 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0001MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MSD

Sample wt/vol: 4.8(g/mL) G Lab File ID: LO183

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 20 Date Analyzed: 04/22/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 62 | |
| 108-87-2 | Methylcyclohexane | 13 | U |
| 78-87-5 | 1,2-Dichloropropane | 13 | U |
| 75-27-4 | Bromodichloromethane | 13 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 13 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 13 | U |
| 108-88-3 | Toluene | 64 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 13 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 13 | U |
| 127-18-4 | Tetrachloroethene | 13 | U |
| 591-78-6 | 2-Hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 13 | U |
| 108-90-7 | Chlorobenzene | 64 | |
| 100-41-4 | Ethylbenzene | 13 | U |
| 1330-20-7 | Xylene (Total) | 13 | U |
| 100-42-5 | Styrene | 13 | U |
| 75-25-2 | Bromoform | 13 | U |
| 98-82-8 | Isopropylbenzene | 13 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 13 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 13 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 13 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 13 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 13 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 | U |

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0002

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-02

Sample wt/vol: 5.4(g/mL) G Lab File ID: LO133

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 60 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 23 | U |
| 108-87-2 | Methylcyclohexane | 23 | U |
| 78-87-5 | 1,2-Dichloropropane | 23 | U |
| 75-27-4 | Bromodichloromethane | 23 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 23 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 23 | U |
| 108-88-3 | Toluene | 23 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 23 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 23 | U |
| 127-18-4 | Tetrachloroethene | 23 | U |
| 591-78-6 | 2-Hexanone | 23 | U |
| 124-48-1 | Dibromochloromethane | 23 | U |
| 106-93-4 | 1,2-Dibromoethane | 23 | U |
| 108-90-7 | Chlorobenzene | 23 | U |
| 100-41-4 | Ethylbenzene | 23 | U |
| 1330-20-7 | Xylene (Total) | 23 | U |
| 100-42-5 | Styrene | 23 | U |
| 75-25-2 | Bromoform | 23 | U |
| 98-82-8 | Isopropylbenzene | 23 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 23 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 23 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 23 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 23 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 23 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 23 | U |

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EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0002

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-02

Sample wt/vol: 5.4 (g/mL) G Lab File ID: LO133

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 60 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0003

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-03

Sample wt/vol: 5.9(g/mL) G Lab File ID: LO134

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 60 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 21 | U |
| 74-87-3 | Chloromethane | 21 | U |
| 75-01-4 | Vinyl Chloride | 21 | U |
| 74-83-9 | Bromomethane | 21 | U |
| 75-00-3 | Chloroethane | 21 | U |
| 75-69-4 | Trichlorofluoromethane | 21 | U |
| 75-35-4 | 1,1-Dichloroethene | 21 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 21 | U |
| 67-64-1 | Acetone | 54 | |
| 75-15-0 | Carbon Disulfide | 21 | U |
| 79-20-9 | Methyl Acetate | 21 | U |
| 75-09-2 | Methylene Chloride | 7 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 21 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 21 | U |
| 75-34-3 | 1,1-Dichloroethane | 21 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 21 | U |
| 78-93-3 | 2-Butanone | 21 | U |
| 67-66-3 | Chloroform | 21 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 21 | U |
| 110-82-7 | Cyclohexane | 21 | U |
| 56-23-5 | Carbon Tetrachloride | 21 | U |
| 71-43-2 | Benzene | 21 | U |
| 107-06-2 | 1,2-Dichloroethane | 21 | U |

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EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0003

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-03

Sample wt/vol: 5.9(g/mL) G Lab File ID: LO134

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 60 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 21 | U |
| 108-87-2 | Methylcyclohexane | 21 | U |
| 78-87-5 | 1,2-Dichloropropane | 21 | U |
| 75-27-4 | Bromodichloromethane | 21 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 21 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 21 | U |
| 108-88-3 | Toluene | 21 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 21 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 21 | U |
| 127-18-4 | Tetrachloroethene | 21 | U |
| 591-78-6 | 2-Hexanone | 21 | U |
| 124-48-1 | Dibromochloromethane | 21 | U |
| 106-93-4 | 1,2-Dibromoethane | 21 | U |
| 108-90-7 | Chlorobenzene | 21 | U |
| 100-41-4 | Ethylbenzene | 21 | U |
| 1330-20-7 | Xylene (Total) | 21 | U |
| 100-42-5 | Styrene | 21 | U |
| 75-25-2 | Bromoform | 21 | U |
| 98-82-8 | Isopropylbenzene | 21 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 21 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 21 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 21 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 21 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 21 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 21 | U |

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EPA SAMPLE No.

E0003

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-03

Sample wt/vol: 5.9 (g/mL) G Lab File ID: LO134

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 60 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
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# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0004

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-04

Sample wt/vol: 5.1(g/mL) G Lab File ID: LO135

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 25 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 13 | U |
| 74-87-3 | Chloromethane | 13 | U |
| 75-01-4 | Vinyl Chloride | 13 | U |
| 74-83-9 | Bromomethane | 13 | U |
| 75-00-3 | Chloroethane | 13 | U |
| 75-69-4 | Trichlorofluoromethane | 13 | U |
| 75-35-4 | 1,1-Dichloroethene | 13 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-15-0 | Carbon Disulfide | 13 | U |
| 79-20-9 | Methyl Acetate | 13 | U |
| 75-09-2 | Methylene Chloride | 6 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 13 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 13 | U |
| 75-34-3 | 1,1-Dichloroethane | 13 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 13 | U |
| 78-93-3 | 2-Butanone | 13 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 13 | U |
| 110-82-7 | Cyclohexane | 13 | U |
| 56-23-5 | Carbon Tetrachloride | 13 | U |
| 71-43-2 | Benzene | 13 | U |
| 107-06-2 | 1,2-Dichloroethane | 13 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0004

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-04

Sample wt/vol: 5.1(g/mL) G Lab File ID: LO135

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 25 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 13 | U |
| 108-87-2 | Methylcyclohexane | 13 | U |
| 78-87-5 | 1,2-Dichloropropane | 13 | U |
| 75-27-4 | Bromodichloromethane | 13 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 13 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 13 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 13 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 13 | U |
| 127-18-4 | Tetrachloroethene | 13 | U |
| 591-78-6 | 2-Hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 13 | U |
| 108-90-7 | Chlorobenzene | 13 | U |
| 100-41-4 | Ethylbenzene | 13 | U |
| 1330-20-7 | Xylene (Total) | 13 | U |
| 100-42-5 | Styrene | 13 | U |
| 75-25-2 | Bromoform | 13 | U |
| 98-82-8 | Isopropylbenzene | 13 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 13 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 13 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 13 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 13 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 13 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 | U |

1F

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0004

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-04

Sample wt/vol: 5.1 (g/mL) G Lab File ID: LO135

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 25 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0005

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-05

Sample wt/vol: 5.7(g/mL) G Lab File ID: LO136

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 27 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 12 | U |
| 74-87-3 | Chloromethane | 12 | U |
| 75-01-4 | Vinyl Chloride | 12 | U |
| 74-83-9 | Bromomethane | 12 | U |
| 75-00-3 | Chloroethane | 12 | U |
| 75-69-4 | Trichlorofluoromethane | 12 | U |
| 75-35-4 | 1,1-Dichloroethene | 12 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 12 | U |
| 67-64-1 | Acetone | 12 | U |
| 75-15-0 | Carbon Disulfide | 12 | U |
| 79-20-9 | Methyl Acetate | 12 | U |
| 75-09-2 | Methylene Chloride | 2 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 12 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 12 | U |
| 75-34-3 | 1,1-Dichloroethane | 12 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 12 | U |
| 78-93-3 | 2-Butanone | 12 | U |
| 67-66-3 | Chloroform | 12 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 12 | U |
| 110-82-7 | Cyclohexane | 12 | U |
| 56-23-5 | Carbon Tetrachloride | 12 | U |
| 71-43-2 | Benzene | 12 | U |
| 107-06-2 | 1,2-Dichloroethane | 12 | U |

1B

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0005

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-05

Sample wt/vol: 5.7(g/mL) G Lab File ID: L0136

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 27 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 12 | U |
| 108-87-2 | Methylcyclohexane | 12 | U |
| 78-87-5 | 1,2-Dichloropropane | 12 | U |
| 75-27-4 | Bromodichloromethane | 12 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 12 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 12 | U |
| 108-88-3 | Toluene | 12 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 12 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 12 | U |
| 127-18-4 | Tetrachloroethene | 12 | U |
| 591-78-6 | 2-Hexanone | 12 | U |
| 124-48-1 | Dibromochloromethane | 12 | U |
| 106-93-4 | 1,2-Dibromoethane | 12 | U |
| 108-90-7 | Chlorobenzene | 12 | U |
| 100-41-4 | Ethylbenzene | 12 | U |
| 1330-20-7 | Xylene (Total) | 12 | U |
| 100-42-5 | Styrene | 12 | U |
| 75-25-2 | Bromoform | 12 | U |
| 98-82-8 | Isopropylbenzene | 12 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 12 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 12 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 12 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 12 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 12 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 12 | U |

1F

EPA SAMPLE NO.

E0005

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0001

Matrix: (soil/water) SOIL  Lab Sample ID: 030391-05

Sample wt/vol: 5.7 (g/mL) G  Lab File ID: LO136

Level: (low/med) LOW  Date Received: 04/12/03

% Moisture: not dec. 27  Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm)  Dilution Factor: 1.0

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

Number TICs found: 0  CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0006

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-06

Sample wt/vol: 5.2(g/mL) G Lab File ID: L0137

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 32 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 14 | U |
| 74-87-3 | Chloromethane | 14 | U |
| 75-01-4 | Vinyl Chloride | 14 | U |
| 74-83-9 | Bromomethane | 14 | U |
| 75-00-3 | Chloroethane | 14 | U |
| 75-69-4 | Trichlorofluoromethane | 14 | U |
| 75-35-4 | 1,1-Dichloroethene | 14 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 14 | U |
| 67-64-1 | Acetone | 14 | U |
| 75-15-0 | Carbon Disulfide | 14 | U |
| 79-20-9 | Methyl Acetate | 14 | U |
| 75-09-2 | Methylene Chloride | 2 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 14 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 14 | U |
| 75-34-3 | 1,1-Dichloroethane | 14 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 14 | U |
| 78-93-3 | 2-Butanone | 14 | U |
| 67-66-3 | Chloroform | 14 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 14 | U |
| 110-82-7 | Cyclohexane | 14 | U |
| 56-23-5 | Carbon Tetrachloride | 14 | U |
| 71-43-2 | Benzene | 14 | U |
| 107-06-2 | 1,2-Dichloroethane | 14 | U |

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EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0006

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-06

Sample wt/vol: 5.2(g/mL) G Lab File ID: LO137.

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 32 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 14 | U |
| 108-87-2 | Methylcyclohexane | 14 | U |
| 78-87-5 | 1,2-Dichloropropane | 14 | U |
| 75-27-4 | Bromodichloromethane | 14 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 14 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 14 | U |
| 108-88-3 | Toluene | 14 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 14 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 14 | U |
| 127-18-4 | Tetrachloroethene | 14 | U |
| 591-78-6 | 2-Hexanone | 14 | U |
| 124-48-1 | Dibromochloromethane | 14 | U |
| 106-93-4 | 1,2-Dibromoethane | 14 | U |
| 108-90-7 | Chlorobenzene | 14 | U |
| 100-41-4 | Ethylbenzene | 14 | U |
| 1330-20-7 | Xylene (Total) | 14 | U |
| 100-42-5 | Styrene | 14 | U |
| 75-25-2 | Bromoform | 14 | U |
| 98-82-8 | Isopropylbenzene | 14 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 14 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 14 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 14 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 14 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 14 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 14 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0006

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-06

Sample wt/vol: 5.2 (g/mL) G Lab File ID: LO137

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 32 Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0007

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-07

Sample wt/vol: 5.4(g/mL) G Lab File ID: LO145

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 27 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 13 | U |
| 74-87-3 | Chloromethane | 13 | U |
| 75-01-4 | Vinyl Chloride | 13 | U |
| 74-83-9 | Bromomethane | 13 | U |
| 75-00-3 | Chloroethane | 13 | U |
| 75-69-4 | Trichlorofluoromethane | 3 | J |
| 75-35-4 | 1,1-Dichloroethene | 13 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-15-0 | Carbon Disulfide | 13 | U |
| 79-20-9 | Methyl Acetate | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 13 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 13 | U |
| 75-34-3 | 1,1-Dichloroethane | 13 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 13 | U |
| 78-93-3 | 2-Butanone | 13 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 13 | U |
| 110-82-7 | Cyclohexane | 13 | U |
| 56-23-5 | Carbon Tetrachloride | 13 | U |
| 71-43-2 | Benzene | 13 | U |
| 107-06-2 | 1,2-Dichloroethane | 13 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0007

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-07

Sample wt/vol: 5.4(g/mL) G Lab File ID: LO145

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 27 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 13 | U |
| 108-87-2 | Methylcyclohexane | 13 | U |
| 78-87-5 | 1,2-Dichloropropane | 13 | U |
| 75-27-4 | Bromodichloromethane | 13 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 13 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 13 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 13 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 13 | U |
| 127-18-4 | Tetrachloroethene | 13 | U |
| 591-78-6 | 2-Hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 13 | U |
| 108-90-7 | Chlorobenzene | 13 | U |
| 100-41-4 | Ethylbenzene | 13 | U |
| 1330-20-7 | Xylene (Total) | 13 | U |
| 100-42-5 | Styrene | 13 | U |
| 75-25-2 | Bromoform | 13 | U |
| 98-82-8 | Isopropylbenzene | 13 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 13 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 13 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 13 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 13 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 13 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 | U |

1F

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0007

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-07

Sample wt/vol: 5.4 (g/mL) G Lab File ID: LO145

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 27 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0008

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-08

Sample wt/vol: 5.3(g/mL) G Lab File ID: LO146

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 39 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 15 | U |
| 74-87-3 | Chloromethane | 15 | U |
| 75-01-4 | Vinyl Chloride | 15 | U |
| 74-83-9 | Bromomethane | 15 | U |
| 75-00-3 | Chloroethane | 15 | U |
| 75-69-4 | Trichlorofluoromethane | 3 | J |
| 75-35-4 | 1,1-Dichloroethene | 15 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 15 | U |
| 67-64-1 | Acetone | 15 | U |
| 75-15-0 | Carbon Disulfide | 15 | U |
| 79-20-9 | Methyl Acetate | 15 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 15 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 15 | U |
| 75-34-3 | 1,1-Dichloroethane | 15 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 15 | U |
| 78-93-3 | 2-Butanone | 15 | U |
| 67-66-3 | Chloroform | 15 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 15 | U |
| 110-82-7 | Cyclohexane | 15 | U |
| 56-23-5 | Carbon Tetrachloride | 15 | U |
| 71-43-2 | Benzene | 15 | U |
| 107-06-2 | 1,2-Dichloroethane | 15 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0008

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-08

Sample wt/vol: 5.3(g/mL) G Lab File ID: LO146

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 39 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 15 | U |
| 108-87-2 | Methylcyclohexane | 15 | U |
| 78-87-5 | 1,2-Dichloropropane | 15 | U |
| 75-27-4 | Bromodichloromethane | 15 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 15 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 15 | U |
| 108-88-3 | Toluene | 15 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 15 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 15 | U |
| 127-18-4 | Tetrachloroethene | 15 | U |
| 591-78-6 | 2-Hexanone | 15 | U |
| 124-48-1 | Dibromochloromethane | 15 | U |
| 106-93-4 | 1,2-Dibromoethane | 15 | U |
| 108-90-7 | Chlorobenzene | 15 | U |
| 100-41-4 | Ethylbenzene | 15 | U |
| 1330-20-7 | Xylene (Total) | 15 | U |
| 100-42-5 | Styrene | 15 | U |
| 75-25-2 | Bromoform | 15 | U |
| 98-82-8 | Isopropylbenzene | 15 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 15 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 15 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 15 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 15 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 15 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 15 | U |

1F

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0008

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-08

Sample wt/vol: 5.3 (g/mL) G Lab File ID: LO146

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 39 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0009

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-09

Sample wt/vol: 5.6(g/mL) G Lab File ID: LO147

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 22 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 11 | U |
| 74-87-3 | Chloromethane | 11 | U |
| 75-01-4 | Vinyl Chloride | 11 | U |
| 74-83-9 | Bromomethane | 11 | U |
| 75-00-3 | Chloroethane | 11 | U |
| 75-69-4 | Trichlorofluoromethane | 2 | J |
| 75-35-4 | 1,1-Dichloroethene | 11 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 11 | U |
| 67-64-1 | Acetone | 11 | U |
| 75-15-0 | Carbon Disulfide | 11 | U |
| 79-20-9 | Methyl Acetate | 11 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 11 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 11 | U |
| 75-34-3 | 1,1-Dichloroethane | 11 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 11 | U |
| 78-93-3 | 2-Butanone | 11 | U |
| 67-66-3 | Chloroform | 11 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 11 | U |
| 110-82-7 | Cyclohexane | 11 | U |
| 56-23-5 | Carbon Tetrachloride | 11 | U |
| 71-43-2 | Benzene | 11 | U |
| 107-06-2 | 1,2-Dichloroethane | 11 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0009

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-09

Sample wt/vol: 5.6(g/mL) G Lab File ID: LO147

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 22 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 11 | U |
| 108-87-2 | Methylcyclohexane | 11 | U |
| 78-87-5 | 1,2-Dichloropropane | 11 | U |
| 75-27-4 | Bromodichloromethane | 11 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 11 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 11 | U |
| 108-88-3 | Toluene | 11 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 11 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 11 | U |
| 127-18-4 | Tetrachloroethene | 11 | U |
| 591-78-6 | 2-Hexanone | 11 | U |
| 124-48-1 | Dibromochloromethane | 11 | U |
| 106-93-4 | 1,2-Dibromoethane | 11 | U |
| 108-90-7 | Chlorobenzene | 11 | U |
| 100-41-4 | Ethylbenzene | 11 | U |
| 1330-20-7 | Xylene (Total) | 11 | U |
| 100-42-5 | Styrene | 11 | U |
| 75-25-2 | Bromoform | 11 | U |
| 98-82-8 | Isopropylbenzene | 11 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 11 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 11 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 11 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 11 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 11 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 11 | U |

1F

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0009

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-09

Sample wt/vol: 5.6 (g/mL) G Lab File ID: LO147

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 22 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0010

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-10

Sample wt/vol: 5.2(g/mL) G Lab File ID: LO148

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 47 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 18 | U |
| 74-87-3 | Chloromethane | 18 | U |
| 75-01-4 | Vinyl Chloride | 18 | U |
| 74-83-9 | Bromomethane | 18 | U |
| 75-00-3 | Chloroethane | 18 | U |
| 75-69-4 | Trichlorofluoromethane | 3 | J |
| 75-35-4 | 1,1-Dichloroethene | 18 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 18 | U |
| 67-64-1 | Acetone | 18 | U |
| 75-15-0 | Carbon Disulfide | 18 | U |
| 79-20-9 | Methyl Acetate | 18 | U |
| 75-09-2 | Methylene Chloride | 6 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 18 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 18 | U |
| 75-34-3 | 1,1-Dichloroethane | 18 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 18 | U |
| 78-93-3 | 2-Butanone | 18 | U |
| 67-66-3 | Chloroform | 18 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 18 | U |
| 110-82-7 | Cyclohexane | 18 | U |
| 56-23-5 | Carbon Tetrachloride | 18 | U |
| 71-43-2 | Benzene | 18 | U |
| 107-06-2 | 1,2-Dichloroethane | 18 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0010

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-10

Sample wt/vol: 5.2(g/mL) G Lab File ID: LO148

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 47 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 18 | U |
| 108-87-2 | Methylcyclohexane | 18 | U |
| 78-87-5 | 1,2-Dichloropropane | 18 | U |
| 75-27-4 | Bromodichloromethane | 18 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 18 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 18 | U |
| 108-88-3 | Toluene | 18 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 18 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 18 | U |
| 127-18-4 | Tetrachloroethene | 18 | U |
| 591-78-6 | 2-Hexanone | 18 | U |
| 124-48-1 | Dibromochloromethane | 18 | U |
| 106-93-4 | 1,2-Dibromoethane | 18 | U |
| 108-90-7 | Chlorobenzene | 18 | U |
| 100-41-4 | Ethylbenzene | 18 | U |
| 1330-20-7 | Xylene (Total) | 18 | U |
| 100-42-5 | Styrene | 18 | U |
| 75-25-2 | Bromoform | 18 | U |
| 98-82-8 | Isopropylbenzene | 18 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 18 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 18 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 18 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 18 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 18 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0010

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-10

Sample wt/vol: 5.2 (g/mL) G Lab File ID: LO148

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 47 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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| 1. | | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0011

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-11

Sample wt/vol: 5.2(g/mL) G Lab File ID: LO149

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 25 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 13 | U |
| 74-87-3 | Chloromethane | 13 | U |
| 75-01-4 | Vinyl Chloride | 13 | U |
| 74-83-9 | Bromomethane | 13 | U |
| 75-00-3 | Chloroethane | 13 | U |
| 75-69-4 | Trichlorofluoromethane | 2 | J |
| 75-35-4 | 1,1-Dichloroethene | 13 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-15-0 | Carbon Disulfide | 13 | U |
| 79-20-9 | Methyl Acetate | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 13 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 13 | U |
| 75-34-3 | 1,1-Dichloroethane | 13 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 13 | U |
| 78-93-3 | 2-Butanone | 13 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 13 | U |
| 110-82-7 | Cyclohexane | 13 | U |
| 56-23-5 | Carbon Tetrachloride | 13 | U |
| 71-43-2 | Benzene | 13 | U |
| 107-06-2 | 1,2-Dichloroethane | 13 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0011

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-11

Sample wt/vol: 5.2(g/mL) G Lab File ID: LO149

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 25 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 13 | U |
| 108-87-2 | Methylcyclohexane | 13 | U |
| 78-87-5 | 1,2-Dichloropropane | 13 | U |
| 75-27-4 | Bromodichloromethane | 13 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 13 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 13 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 13 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 13 | U |
| 127-18-4 | Tetrachloroethene | 13 | U |
| 591-78-6 | 2-Hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 13 | U |
| 108-90-7 | Chlorobenzene | 13 | U |
| 100-41-4 | Ethylbenzene | 13 | U |
| 1330-20-7 | Xylene (Total) | 13 | U |
| 100-42-5 | Styrene | 13 | U |
| 75-25-2 | Bromoform | 13 | U |
| 98-82-8 | Isopropylbenzene | 13 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 13 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 13 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 13 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 13 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 13 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0011

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-11

Sample wt/vol: 5.2 (g/mL) G Lab File ID: LO149

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 25 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0012

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-12

Sample wt/vol: 5.5(g/mL) G Lab File ID: LO150

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 30 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 13 | U |
| 74-87-3 | Chloromethane | 13 | U |
| 75-01-4 | Vinyl Chloride | 13 | U |
| 74-83-9 | Bromomethane | 13 | U |
| 75-00-3 | Chloroethane | 13 | U |
| 75-69-4 | Trichlorofluoromethane | 3 | J |
| 75-35-4 | 1,1-Dichloroethene | 13 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-15-0 | Carbon Disulfide | 13 | U |
| 79-20-9 | Methyl Acetate | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 13 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 13 | U |
| 75-34-3 | 1,1-Dichloroethane | 13 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 13 | U |
| 78-93-3 | 2-Butanone | 13 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 13 | U |
| 110-82-7 | Cyclohexane | 13 | U |
| 56-23-5 | Carbon Tetrachloride | 13 | U |
| 71-43-2 | Benzene | 13 | U |
| 107-06-2 | 1,2-Dichloroethane | 13 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0012

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-12

Sample wt/vol: 5.5(g/mL) G Lab File ID: L0150

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 30 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 13 | U |
| 108-87-2 | Methylcyclohexane | 13 | U |
| 78-87-5 | 1,2-Dichloropropane | 13 | U |
| 75-27-4 | Bromodichloromethane | 13 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 13 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 13 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 13 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 13 | U |
| 127-18-4 | Tetrachloroethene | 13 | U |
| 591-78-6 | 2-Hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 13 | U |
| 108-90-7 | Chlorobenzene | 13 | U |
| 100-41-4 | Ethylbenzene | 13 | U |
| 1330-20-7 | Xylene (Total) | 13 | U |
| 100-42-5 | Styrene | 13 | U |
| 75-25-2 | Bromoform | 13 | U |
| 98-82-8 | Isopropylbenzene | 13 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 13 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 13 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 13 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 13 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 13 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0012

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-12

Sample wt/vol: 5.5 (g/mL) G Lab File ID: LO150

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 30 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0013

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-13

Sample wt/vol: 5.1(g/mL) G Lab File ID: LO151

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 27 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 13 | U |
| 74-87-3 | Chloromethane | 13 | U |
| 75-01-4 | Vinyl Chloride | 13 | U |
| 74-83-9 | Bromomethane | 13 | U |
| 75-00-3 | Chloroethane | 13 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | J |
| 75-35-4 | 1,1-Dichloroethene | 13 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-15-0 | Carbon Disulfide | 13 | U |
| 79-20-9 | Methyl Acetate | 13 | U |
| 75-09-2 | Methylene Chloride | 6 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 13 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 13 | U |
| 75-34-3 | 1,1-Dichloroethane | 13 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 13 | U |
| 78-93-3 | 2-Butanone | 13 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 13 | U |
| 110-82-7 | Cyclohexane | 13 | U |
| 56-23-5 | Carbon Tetrachloride | 13 | U |
| 71-43-2 | Benzene | 13 | U |
| 107-06-2 | 1,2-Dichloroethane | 13 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0013

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-13

Sample wt/vol: 5.1(g/mL) G Lab File ID: LO151

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 27 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 13 | U |
| 108-87-2 | Methylcyclohexane | 13 | U |
| 78-87-5 | 1,2-Dichloropropane | 13 | U |
| 75-27-4 | Bromodichloromethane | 13 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 13 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 13 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 13 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 13 | U |
| 127-18-4 | Tetrachloroethene | 13 | U |
| 591-78-6 | 2-Hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 13 | U |
| 108-90-7 | Chlorobenzene | 13 | U |
| 100-41-4 | Ethylbenzene | 13 | U |
| 1330-20-7 | Xylene (Total) | 13 | U |
| 100-42-5 | Styrene | 13 | U |
| 75-25-2 | Bromoform | 13 | U |
| 98-82-8 | Isopropylbenzene | 13 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 13 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 13 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 13 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 13 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 13 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0013

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-13

Sample wt/vol: 5.1 (g/mL) G Lab File ID: LO151

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 27 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

E0014

Lab Name: CEIMIC CORP Contract: 68-W-03-018

L Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-14

Sample wt/vol: 5.6(g/mL) G Lab File ID: LO152

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 31 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 13 | U |
| 74-87-3 | Chloromethane | 13 | U |
| 75-01-4 | Vinyl Chloride | 13 | U |
| 74-83-9 | Bromomethane | 13 | U |
| 75-00-3 | Chloroethane | 13 | U |
| 75-69-4 | Trichlorofluoromethane | 2 | J |
| 75-35-4 | 1,1-Dichloroethene | 13 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-15-0 | Carbon Disulfide | 13 | U |
| 79-20-9 | Methyl Acetate | 13 | U |
| 75-09-2 | Methylene Chloride | 4 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 13 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 13 | U |
| 75-34-3 | 1,1-Dichloroethane | 13 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 13 | U |
| 78-93-3 | 2-Butanone | 13 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 13 | U |
| 110-82-7 | Cyclohexane | 13 | U |
| 56-23-5 | Carbon Tetrachloride | 13 | U |
| 71-43-2 | Benzene | 13 | U |
| 107-06-2 | 1,2-Dichloroethane | 13 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0014

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-14

Sample wt/vol: 5.6(g/mL) G Lab File ID: LO152

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 31 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 13 | U |
| 108-87-2 | Methylcyclohexane | 13 | U |
| 78-87-5 | 1,2-Dichloropropane | 13 | U |
| 75-27-4 | Bromodichloromethane | 13 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 13 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 13 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 13 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 13 | U |
| 127-18-4 | Tetrachloroethene | 13 | U |
| 591-78-6 | 2-Hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 13 | U |
| 108-90-7 | Chlorobenzene | 13 | U |
| 100-41-4 | Ethylbenzene | 13 | U |
| 1330-20-7 | Xylene (Total) | 13 | U |
| 100-42-5 | Styrene | 13 | U |
| 75-25-2 | Bromoform | 13 | U |
| 98-82-8 | Isopropylbenzene | 13 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 13 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 13 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 13 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 13 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 13 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0014

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-14

Sample wt/vol: 5.6 (g/mL) G Lab File ID: LO152

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. 31 Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: V120418-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO121

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 4 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: V120418-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO121

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | J |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | J |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | J |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3 | J |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKLS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: V120418-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LO121

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLT

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: V120421-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: L0141

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 3 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLT

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: V120421-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO141

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3 | J |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKLT

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: V120421-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LO141

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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| 1. | | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLV

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: V120422-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: L0182

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/22/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 1 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLV

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: V120422-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO182

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/22/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3 | J |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKLV

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: V120422-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LO182

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/22/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
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VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LO184

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/22/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | tert-Butyl Methyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-21

Sample wt/vol: 5.0(g/mL) G Lab File ID: LO184

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/22/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LO184

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/22/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
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# SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Level:(low/med) LOW

| | EPA SAMPLE NO. | S1 (NBZ) # | S2 (FBP) # | S3 (TPH) # | S4 (PHL) # | S5 (2FP) # | S6 (TBP) # | S7 (2CP) # | S8 (DCB) # | TOT OUT |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | SBLKAX | 57 | 59 | 65 | 60 | 52 | 64 | 56 | 54 | 0 |
| 02 | E0001 | 52 | 56 | 64 | 51 | 46 | 65 | 49 | 48 | 0 |
| 03 | E0001MSD | 30 | 33 | 39 | 30 | 27 | 38 | 30 | 26 | 0 |
| 04 | E0004 | 61 | 65 | 65 | 57 | 51 | 60 | 57 | 43 | 0 |
| 05 | E0005 | 38 | 41 | 52 | 38 | 35 | 53 | 38 | 33 | 0 |
| 06 | E0006 | 52 | 57 | 61 | 53 | 47 | 65 | 50 | 48 | 0 |
| 07 | E0007 | 58 | 63 | 67 | 60 | 54 | 69 | 57 | 54 | 0 |
| 08 | E0008 | 56 | 56 | 60 | 51 | 49 | 68 | 51 | 48 | 0 |
| 09 | E0009 | 60 | 60 | 65 | 57 | 53 | 70 | 57 | 55 | 0 |
| 10 | E0010 | 43 | 46 | 61 | 40 | 38 | 67 | 40 | 39 | 0 |
| 11 | E0011 | 60 | 65 | 70 | 60 | 53 | 77 | 57 | 55 | 0 |
| 12 | E0012 | 59 | 64 | 68 | 58 | 52 | 70 | 58 | 55 | 0 |
| 13 | E0013 | 61 | 65 | 74 | 60 | 54 | 74 | 57 | 57 | 0 |
| 14 | E0014 | 65 | 70 | 70 | 62 | 56 | 74 | 62 | 57 | 0 |
| 15 | E0001MS | 48 | 48 | 56 | 43 | 41 | 57 | 43 | 40 | 0 |
| 16 | SBLKDJ | 56 | 59 | 65 | 56 | 52 | 64 | 52 | 52 | 0 |
| 17 | E0003 | 61 | 61 | 61 | 54 | 50 | 63 | 48 | 32 | 0 |
| 18 | E0002 | 50 | 50 | 53 | 43 | 41 | 41 | 37 | 19* | 1 |
| 19 | | | | | | | | | | |
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| | | QC LIMITS | |
|---|---|---|---|
| S1 (NBZ) | = Nitrobenzene-d5 | (23-120) | |
| S2 (FBP) | = 2-Fluorobiphenyl | (30-115) | |
| S3 (TPH) | = Terphenyl-d14 | (18-137) | |
| S4 (PHL) | = Phenol-d5 | (24-113) | |
| S5 (2FP) | = 2-Fluorophenol | (25-121) | |
| S6 (TBP) | = 2,4,6-Tribromophenol | (19-122) | |
| S7 (2CP) | = 2-Chlorophenol-d4 | (20-130) | (advisory) |
| S8 (DCB) | = 1,2-Dichlorobenzene-d4 | (20-130) | (advisory) |

# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix Spike - EPA Sample No.: E0001 Level:(low/med) LOW

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| Phenol | 3700 | 0.0 | 1600 | 43 | 26- 90 |
| 2-Chlorophenol | 3700 | 0.0 | 1600 | 43 | 25-102 |
| N-Nitroso-di-n-prop.(1) | 2500 | 0.0 | 1100 | 44 | 41-126 |
| 4-Chloro-3-Methylphenol | 3700 | 0.0 | 2000 | 54 | 26-103 |
| Acenaphthene | 2500 | 0.0 | 1300 | 52 | 31-137 |
| 4-Nitrophenol | 3700 | 0.0 | 2400 | 65 | 11-114 |
| 2,4-Dinitrotoluene | 2500 | 0.0 | 1400 | 56 | 28- 89 |
| Pentachlorophenol | 3700 | 0.0 | 1600 | 43 | 17-109 |
| Pyrene | 2500 | 0.0 | 1200 | 48 | 35-142 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Phenol | 3700 | 1100 | 30 | 36* | 35 | 26- 90 |
| 2-Chlorophenol | 3700 | 1000 | 27 | 46 | 50 | 25-102 |
| N-Nitroso-di-n-prop.(1) | 2500 | 720 | 29* | 41* | 38 | 41-126 |
| 4-Chloro-3-Methylphenol | 3700 | 1300 | 35 | 43* | 33 | 26-103 |
| Acenaphthene | 2500 | 810 | 32 | 48* | 19 | 31-137 |
| 4-Nitrophenol | 3700 | 1400 | 38 | 52* | 50 | 11-114 |
| 2,4-Dinitrotoluene | 2500 | 870 | 35 | 46 | 47 | 28- 89 |
| Pentachlorophenol | 3700 | 1200 | 32 | 29 | 47 | 17-109 |
| Pyrene | 2500 | 470 | 19* | 87* | 36 | 35-142 |

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 6 out of 9 outside limits
Spike Recovery: 2 out of 18 outside limits

COMMENTS:

# SEMIVOLATILE METHOD BLANK SUMMARY

SBLKAX

Lab Name: CEIMIC CORP | Contract: 68-W-03-018

Lab Code: CEIMIC | Case No.: 31584 | SAS No.: | SDG No.: E0001

Lab File ID: AE963 | Lab Sample ID: S0415-B2A

Instrument ID: MS1 | Date Extracted: 04/15/03

Matrix: (soil/water) SOIL | Date Analyzed: 04/17/03

Level:(low/med) LOW | Time Analyzed: 1419

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|---|
| 01 | E0001 | 030391-01 | AE964 | 04/17/03 |
| 02 | E0001MSD | 030391-01MSD | AE966 | 04/17/03 |
| 03 | E0004 | 030391-04 | AE967 | 04/17/03 |
| 04 | E0005 | 030391-05 | AE968 | 04/17/03 |
| 05 | E0006 | 030391-06 | AE969 | 04/17/03 |
| 06 | E0007 | 030391-07 | AE970 | 04/17/03 |
| 07 | E0008 | 030391-08 | AE971 | 04/17/03 |
| 08 | E0009 | 030391-09 | AE972 | 04/17/03 |
| 09 | E0010 | 030391-10 | AE973 | 04/17/03 |
| 10 | E0011 | 030391-11 | AE974 | 04/17/03 |
| 11 | E0012 | 030391-12 | AE975 | 04/17/03 |
| 12 | E0013 | 030391-13 | AE976 | 04/17/03 |
| 13 | E0014 | 030391-14 | AE977 | 04/17/03 |
| 14 | E0001MS | 030391-01MS | AE978 | 04/17/03 |
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COMMENTS:

# SEMIVOLATILE METHOD BLANK SUMMARY

SBLKDJ

Lab Name: CEIMIC CORP — Contract: 68-W-03-018

Lab Code: CEIMIC — Case No.: 31584 — SAS No.: — SDG No.: E0001

Lab File ID: DG307 — Lab Sample ID: S0415-B2D

Instrument ID: MS4 — Date Extracted: 04/15/03

Matrix: (soil/water) SOIL — Date Analyzed: 04/18/03

Level: (low/med) LOW — Time Analyzed: 0945

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|---|
| 01 | E0003 | 030391-03 | DG319 | 04/18/03 |
| 02 | E0002 | 030391-02 | DG320 | 04/18/03 |
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COMMENTS:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0001

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE964

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 490 | U |
| 108-95-2 | Phenol | 490 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 490 | U |
| 95-57-8 | 2-Chlorophenol | 490 | U |
| 95-48-7 | 2-Methylphenol | 490 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 490 | U |
| 98-86-2 | Acetophenone | 490 | U |
| 106-44-5 | 4-Methylphenol | 490 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 490 | U |
| 67-72-1 | Hexachloroethane | 490 | U |
| 98-95-3 | Nitrobenzene | 490 | U |
| 78-59-1 | Isophorone | 490 | U |
| 88-75-5 | 2-Nitrophenol | 490 | U |
| 105-67-9 | 2,4-Dimethylphenol | 490 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 490 | U |
| 120-83-2 | 2,4-Dichlorophenol | 490 | U |
| 91-20-3 | Naphthalene | 490 | U |
| 106-47-8 | 4-Chloroaniline | 490 | U |
| 87-68-3 | Hexachlorobutadiene | 490 | U |
| 105-60-2 | Caprolactam | 490 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 490 | U |
| 91-57-6 | 2-Methylnaphthalene | 490 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 490 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 490 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1200 | U |
| 92-52-4 | 1,1'-Biphenyl | 490 | U |
| 91-58-7 | 2-Chloronaphthalene | 490 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 490 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 490 | U |
| 208-96-8 | Acenaphthylene | 490 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |
| 83-32-9 | Acenaphthene | 490 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0001

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE964

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1200 | U |
| 100-02-7 | 4-Nitrophenol | 1200 | U |
| 132-64-9 | Dibenzofuran | 490 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 490 | U |
| 84-66-2 | Diethylphthalate | 490 | U |
| 86-73-7 | Fluorene | 490 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 490 | U |
| 100-01-6 | 4-Nitroaniline | 1200 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 490 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 490 | U |
| 118-74-1 | Hexachlorobenzene | 490 | U |
| 1912-24-9 | Atrazine | 490 | U |
| 87-86-5 | Pentachlorophenol | 1200 | U |
| 85-01-8 | Phenanthrene | 490 | U |
| 120-12-7 | Anthracene | 490 | U |
| 86-74-8 | Carbazole | 490 | U |
| 84-74-2 | Di-n-butylphthalate | 490 | U |
| 206-44-0 | Fluoranthene | 490 | U |
| 129-00-0 | Pyrene | 490 | U |
| 85-68-7 | Butylbenzylphthalate | 490 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 490 | U |
| 56-55-3 | Benzo(a)anthracene | 490 | U |
| 218-01-9 | Chrysene | 490 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 160 | JB |
| 117-84-0 | Di-n-octylphthalate | 490 | U |
| 205-99-2 | Benzo(b)fluoranthene | 490 | U |
| 207-08-9 | Benzo(k)fluoranthene | 490 | U |
| 50-32-8 | Benzo(a)pyrene | 490 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 490 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 490 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 490 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0001

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01

Sample wt/vol: 30.1 (g/mL) G Lab File ID: AE964

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICs found: 8

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.37 | 140 | J |
| 2. | UNKNOWN ALCOHOL/ALKENE | 11.06 | 220 | J |
| 3. 629-96-9 | 1-EICOSANOL | 11.83 | 430 | NJ |
| 4. | UNKNOWN | 12.52 | 220 | J |
| 5. | UNKNOWN | 17.28 | 970 | J |
| 6. | UNKNOWN | 17.78 | 190 | J |
| 7. | UNKNOWN | 18.11 | 480 | J |
| 8. | UNKNOWN | 18.37 | 290 | J |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0001MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MS

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE978

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 490 | U |
| 108-95-2 | Phenol | 1600 | |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 490 | U |
| 95-57-8 | 2-Chlorophenol | 1600 | |
| 95-48-7 | 2-Methylphenol | 490 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 490 | U |
| 98-86-2 | Acetophenone | 490 | U |
| 106-44-5 | 4-Methylphenol | 490 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1100 | |
| 67-72-1 | Hexachloroethane | 490 | U |
| 98-95-3 | Nitrobenzene | 490 | U |
| 78-59-1 | Isophorone | 490 | U |
| 88-75-5 | 2-Nitrophenol | 490 | U |
| 105-67-9 | 2,4-Dimethylphenol | 490 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 490 | U |
| 120-83-2 | 2,4-Dichlorophenol | 490 | U |
| 91-20-3 | Naphthalene | 490 | U |
| 106-47-8 | 4-Chloroaniline | 490 | U |
| 87-68-3 | Hexachlorobutadiene | 490 | U |
| 105-60-2 | Caprolactam | 490 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 2000 | |
| 91-57-6 | 2-Methylnaphthalene | 490 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 490 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 490 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1200 | U |
| 92-52-4 | 1,1'-Biphenyl | 490 | U |
| 91-58-7 | 2-Chloronaphthalene | 490 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 490 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 490 | U |
| 208-96-8 | Acenaphthylene | 490 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |
| 83-32-9 | Acenaphthene | 1300 | |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0001MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MS

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE978

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1200 | U |
| 100-02-7 | 4-Nitrophenol | 2400 | |
| 132-64-9 | Dibenzofuran | 490 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1400 | |
| 84-66-2 | Diethylphthalate | 490 | U |
| 86-73-7 | Fluorene | 490 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 490 | U |
| 100-01-6 | 4-Nitroaniline | 1200 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 490 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 490 | U |
| 118-74-1 | Hexachlorobenzene | 490 | U |
| 1912-24-9 | Atrazine | 490 | U |
| 87-86-5 | Pentachlorophenol | 1600 | |
| 85-01-8 | Phenanthrene | 490 | U |
| 120-12-7 | Anthracene | 490 | U |
| 86-74-8 | Carbazole | 490 | U |
| 84-74-2 | Di-n-butylphthalate | 490 | U |
| 206-44-0 | Fluoranthene | 490 | U |
| 129-00-0 | Pyrene | 1200 | |
| 85-68-7 | Butylbenzylphthalate | 490 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 490 | U |
| 56-55-3 | Benzo(a)anthracene | 490 | U |
| 218-01-9 | Chrysene | 490 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 650 | B |
| 117-84-0 | Di-n-octylphthalate | 490 | U |
| 205-99-2 | Benzo(b)fluoranthene | 490 | U |
| 207-08-9 | Benzo(k)fluoranthene | 490 | U |
| 50-32-8 | Benzo(a)pyrene | 490 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 490 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 490 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 490 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0001MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MSD

Sample wt/vol: 30.2(g/mL) G Lab File ID: AE966

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 490 | U |
| 108-95-2 | Phenol | 1100 | |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 490 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | |
| 95-48-7 | 2-Methylphenol | 490 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 490 | U |
| 98-86-2 | Acetophenone | 490 | U |
| 106-44-5 | 4-Methylphenol | 490 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 720 | |
| 67-72-1 | Hexachloroethane | 490 | U |
| 98-95-3 | Nitrobenzene | 490 | U |
| 78-59-1 | Isophorone | 490 | U |
| 88-75-5 | 2-Nitrophenol | 490 | U |
| 105-67-9 | 2,4-Dimethylphenol | 490 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 490 | U |
| 120-83-2 | 2,4-Dichlorophenol | 490 | U |
| 91-20-3 | Naphthalene | 490 | U |
| 106-47-8 | 4-Chloroaniline | 490 | U |
| 87-68-3 | Hexachlorobutadiene | 490 | U |
| 105-60-2 | Caprolactam | 490 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 1300 | |
| 91-57-6 | 2-Methylnaphthalene | 490 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 490 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 490 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1200 | U |
| 92-52-4 | 1,1'-Biphenyl | 490 | U |
| 91-58-7 | 2-Chloronaphthalene | 490 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 490 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 490 | U |
| 208-96-8 | Acenaphthylene | 490 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |
| 83-32-9 | Acenaphthene | 810 | |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0001MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MSD

Sample wt/vol: 30.2(g/mL) G Lab File ID: AE966

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1200 | U |
| 100-02-7 | 4-Nitrophenol | 1400 | |
| 132-64-9 | Dibenzofuran | 490 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 870 | |
| 84-66-2 | Diethylphthalate | 490 | U |
| 86-73-7 | Fluorene | 490 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 490 | U |
| 100-01-6 | 4-Nitroaniline | 1200 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 490 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 490 | U |
| 118-74-1 | Hexachlorobenzene | 490 | U |
| 1912-24-9 | Atrazine | 490 | U |
| 87-86-5 | Pentachlorophenol | 1200 | |
| 85-01-8 | Phenanthrene | 490 | U |
| 120-12-7 | Anthracene | 490 | U |
| 86-74-8 | Carbazole | 490 | U |
| 84-74-2 | Di-n-butylphthalate | 490 | U |
| 206-44-0 | Fluoranthene | 490 | U |
| 129-00-0 | Pyrene | 470 | J |
| 85-68-7 | Butylbenzylphthalate | 490 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 490 | U |
| 56-55-3 | Benzo(a)anthracene | 490 | U |
| 218-01-9 | Chrysene | 490 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 77 | JB |
| 117-84-0 | Di-n-octylphthalate | 490 | U |
| 205-99-2 | Benzo(b)fluoranthene | 490 | U |
| 207-08-9 | Benzo(k)fluoranthene | 490 | U |
| 50-32-8 | Benzo(a)pyrene | 490 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 490 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 490 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 490 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0002

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-02

Sample wt/vol: 30.0(g/mL) G Lab File ID: DG320

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 54 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/18/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 720 | U |
| 108-95-2 | Phenol | 720 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 720 | U |
| 95-57-8 | 2-Chlorophenol | 720 | U |
| 95-48-7 | 2-Methylphenol | 720 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 720 | U |
| 98-86-2 | Acetophenone | 720 | U |
| 106-44-5 | 4-Methylphenol | 130 | J |
| 621-64-7 | N-Nitroso-di-n-propylamine | 720 | U |
| 67-72-1 | Hexachloroethane | 720 | U |
| 98-95-3 | Nitrobenzene | 720 | U |
| 78-59-1 | Isophorone | 720 | U |
| 88-75-5 | 2-Nitrophenol | 720 | U |
| 105-67-9 | 2,4-Dimethylphenol | 720 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 720 | U |
| 120-83-2 | 2,4-Dichlorophenol | 720 | U |
| 91-20-3 | Naphthalene | 780 | |
| 106-47-8 | 4-Chloroaniline | 720 | U |
| 87-68-3 | Hexachlorobutadiene | 720 | U |
| 105-60-2 | Caprolactam | 720 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 720 | U |
| 91-57-6 | 2-Methylnaphthalene | 95 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 720 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 720 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1800 | U |
| 92-52-4 | 1,1'-Biphenyl | 720 | U |
| 91-58-7 | 2-Chloronaphthalene | 720 | U |
| 88-74-4 | 2-Nitroaniline | 1800 | U |
| 131-11-3 | Dimethylphthalate | 720 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 720 | U |
| 208-96-8 | Acenaphthylene | 720 | U |
| 99-09-2 | 3-Nitroaniline | 1800 | U |
| 83-32-9 | Acenaphthene | 720 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0002

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-02

Sample wt/vol: 30.0(g/mL) G Lab File ID: DG320

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 54 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/18/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7 | 4-Nitrophenol | 1800 | U |
| 132-64-9 | Dibenzofuran | 720 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 720 | U |
| 84-66-2 | Diethylphthalate | 720 | U |
| 86-73-7 | Fluorene | 720 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 720 | U |
| 100-01-6 | 4-Nitroaniline | 1800 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1800 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 720 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 720 | U |
| 118-74-1 | Hexachlorobenzene | 720 | U |
| 1912-24-9 | Atrazine | 720 | U |
| 87-86-5 | Pentachlorophenol | 1800 | U |
| 85-01-8 | Phenanthrene | 720 | U |
| 120-12-7 | Anthracene | 720 | U |
| 86-74-8 | Carbazole | 720 | U |
| 84-74-2 | Di-n-butylphthalate | 720 | U |
| 206-44-0 | Fluoranthene | 180 | J |
| 129-00-0 | Pyrene | 85 | J |
| 85-68-7 | Butylbenzylphthalate | 720 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 720 | U |
| 56-55-3 | Benzo(a)anthracene | 92 | J |
| 218-01-9 | Chrysene | 83 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 200 | J |
| 117-84-0 | Di-n-octylphthalate | 720 | U |
| 205-99-2 | Benzo(b)fluoranthene | 110 | J |
| 207-08-9 | Benzo(k)fluoranthene | 720 | U |
| 50-32-8 | Benzo(a)pyrene | 720 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 720 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 720 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 720 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0002

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG320

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 54 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/18/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICs found: 21

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 2091-29-4 | 9-HEXADECENOIC ACID | 9.77 | 320 | NJ |
| 2. 57-10-3 | HEXADECANOIC ACID | 9.83 | 910 | NJ |
| 3. | UNKNOWN | 10.09 | 170 | J |
| 4. 112-80-1 | OLEIC ACID | 10.55 | 260 | NJ |
| 5. | UNKNOWN | 12.72 | 500 | J |
| 6. | UNKNOWN ALDEHYDE | 13.47 | 200 | J |
| 7. 57-88-5 | CHOLESTEROL | 14.28 | 880 | NJ |
| 8. 7390-81-0 | OXIRANE, HEXADECYL- | 14.44 | 270 | NJ |
| 9. | UNKNOWN | 14.56 | 240 | J |
| 10. | UNKNOWN | 14.90 | 620 | J |
| 11. | UNKNOWN STEROID | 15.14 | 780 | J |
| 12. 83-47-6 | .GAMMA.-SITOSTEROL | 15.46 | 3500 | NJ |
| 13. 471-68-1 | OLEAN-12-ENE | 15.70 | 300 | NJ |
| 14. | UNKNOWN | 15.86 | 230 | J |
| 15. | UNKNOWN | 16.01 | 640 | J |
| 16. | UNKNOWN | 16.23 | 210 | J |
| 17. 1058-61-3 | STIGMAST-4-EN-3-ONE | 16.50 | 1400 | NJ |
| 18. | UNKNOWN | 16.85 | 240 | J |
| 19. | UNKNOWN | 17.27 | 240 | J |
| 20. | UNKNOWN | 17.45 | 670 | J |
| 21. | UNKNOWN | 17.99 | 160 | J |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0003

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-03

Sample wt/vol: 30.2(g/mL) G Lab File ID: DG319

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 46 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/18/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 610 | U |
| 108-95-2 | Phenol | 610 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 610 | U |
| 95-57-8 | 2-Chlorophenol | 610 | U |
| 95-48-7 | 2-Methylphenol | 610 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 610 | U |
| 98-86-2 | Acetophenone | 610 | U |
| 106-44-5 | 4-Methylphenol | 470 | J |
| 621-64-7 | N-Nitroso-di-n-propylamine | 610 | U |
| 67-72-1 | Hexachloroethane | 610 | U |
| 98-95-3 | Nitrobenzene | 610 | U |
| 78-59-1 | Isophorone | 610 | U |
| 88-75-5 | 2-Nitrophenol | 610 | U |
| 105-67-9 | 2,4-Dimethylphenol | 610 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 610 | U |
| 120-83-2 | 2,4-Dichlorophenol | 610 | U |
| 91-20-3 | Naphthalene | 610 | U |
| 106-47-8 | 4-Chloroaniline | 610 | U |
| 87-68-3 | Hexachlorobutadiene | 610 | U |
| 105-60-2 | Caprolactam | 610 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 610 | U |
| 91-57-6 | 2-Methylnaphthalene | 610 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 610 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 610 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1500 | U |
| 92-52-4 | 1,1'-Biphenyl | 610 | U |
| 91-58-7 | 2-Chloronaphthalene | 610 | U |
| 88-74-4 | 2-Nitroaniline | 1500 | U |
| 131-11-3 | Dimethylphthalate | 610 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 610 | U |
| 208-96-8 | Acenaphthylene | 610 | U |
| 99-09-2 | 3-Nitroaniline | 1500 | U |
| 83-32-9 | Acenaphthene | 610 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0003

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-03

Sample wt/vol: 30.2(g/mL) G Lab File ID: DG319

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 46 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/18/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1500 | U |
| 100-02-7 | 4-Nitrophenol | 1500 | U |
| 132-64-9 | Dibenzofuran | 610 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 610 | U |
| 84-66-2 | Diethylphthalate | 610 | U |
| 86-73-7 | Fluorene | 610 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 610 | U |
| 100-01-6 | 4-Nitroaniline | 1500 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1500 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 610 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 610 | U |
| 118-74-1 | Hexachlorobenzene | 610 | U |
| 1912-24-9 | Atrazine | 610 | U |
| 87-86-5 | Pentachlorophenol | 1500 | U |
| 85-01-8 | Phenanthrene | 62 | J |
| 120-12-7 | Anthracene | 610 | U |
| 86-74-8 | Carbazole | 610 | U |
| 84-74-2 | Di-n-butylphthalate | 610 | U |
| 206-44-0 | Fluoranthene | 180 | J |
| 129-00-0 | Pyrene | 610 | U |
| 85-68-7 | Butylbenzylphthalate | 610 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 610 | U |
| 56-55-3 | Benzo(a)anthracene | 110 | J |
| 218-01-9 | Chrysene | 110 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 140 | J |
| 117-84-0 | Di-n-octylphthalate | 610 | U |
| 205-99-2 | Benzo(b)fluoranthene | 130 | J |
| 207-08-9 | Benzo(k)fluoranthene | 81 | J |
| 50-32-8 | Benzo(a)pyrene | 610 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 610 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 610 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 610 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0003

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-03

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DG319

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 46 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/18/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

Number TICs found: 18

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 3.80 | 150 | J |
| 2. | UNKNOWN | 9.11 | 150 | J |
| 3. 57-10-3 | HEXADECANOIC ACID | 9.83 | 520 | NJ |
| 4. | UNKNOWN | 10.08 | 120 | J |
| 5. | UNKNOWN | 10.31 | 160 | J |
| 6. 112-80-1 | OLEIC ACID | 10.54 | 230 | NJ |
| 7. | UNKNOWN | 12.40 | 290 | J |
| 8. | UNKNOWN AMIDE | 12.57 | 290 | J |
| 9. | UNKNOWN | 12.71 | 330 | J |
| 10. 7390-81-0 | OXIRANE, HEXADECYL- | 13.46 | 150 | NJ |
| 11. | UNKNOWN STEROID | 14.28 | 250 | J |
| 12. | UNKNOWN ALDEHYDE | 14.42 | 140 | J |
| 13. | UNKNOWN | 14.87 | 500 | J |
| 14. 83-47-6 | .GAMMA.-SITOSTEROL | 15.45 | 600 | NJ |
| 15. | UNKNOWN | 16.01 | 140 | J |
| 16. | UNKNOWN | 16.48 | 260 | J |
| 17. | UNKNOWN | 17.43 | 250 | J |
| 18. | UNKNOWN | 17.66 | 180 | J |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
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| 24. | | | | |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0004

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-04

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE967

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 29 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 460 | U |
| 108-95-2 | Phenol | 460 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 460 | U |
| 95-57-8 | 2-Chlorophenol | 460 | U |
| 95-48-7 | 2-Methylphenol | 460 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 460 | U |
| 98-86-2 | Acetophenone | 460 | U |
| 106-44-5 | 4-Methylphenol | 460 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 460 | U |
| 67-72-1 | Hexachloroethane | 460 | U |
| 98-95-3 | Nitrobenzene | 460 | U |
| 78-59-1 | Isophorone | 460 | U |
| 88-75-5 | 2-Nitrophenol | 460 | U |
| 105-67-9 | 2,4-Dimethylphenol | 460 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 460 | U |
| 120-83-2 | 2,4-Dichlorophenol | 460 | U |
| 91-20-3 | Naphthalene | 460 | U |
| 106-47-8 | 4-Chloroaniline | 460 | U |
| 87-68-3 | Hexachlorobutadiene | 460 | U |
| 105-60-2 | Caprolactam | 460 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 460 | U |
| 91-57-6 | 2-Methylnaphthalene | 460 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 460 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 460 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1200 | U |
| 92-52-4 | 1,1'-Biphenyl | 460 | U |
| 91-58-7 | 2-Chloronaphthalene | 460 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 460 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 460 | U |
| 208-96-8 | Acenaphthylene | 460 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |
| 83-32-9 | Acenaphthene | 460 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0004

Lab Name: CEIMIC CORP Contract: 68-W-03-018

b Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-04

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE967

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 29 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1200 | U |
| 100-02-7 | 4-Nitrophenol | 1200 | U |
| 132-64-9 | Dibenzofuran | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 460 | U |
| 84-66-2 | Diethylphthalate | 460 | U |
| 86-73-7 | Fluorene | 460 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 460 | U |
| 100-01-6 | 4-Nitroaniline | 1200 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 460 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 460 | U |
| 118-74-1 | Hexachlorobenzene | 460 | U |
| 1912-24-9 | Atrazine | 460 | U |
| 87-86-5 | Pentachlorophenol | 1200 | U |
| 85-01-8 | Phenanthrene | 460 | U |
| 120-12-7 | Anthracene | 460 | U |
| 86-74-8 | Carbazole | 460 | U |
| 84-74-2 | Di-n-butylphthalate | 460 | U |
| 206-44-0 | Fluoranthene | 460 | U |
| 129-00-0 | Pyrene | 460 | U |
| 85-68-7 | Butylbenzylphthalate | 460 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 460 | U |
| 56-55-3 | Benzo(a)anthracene | 460 | U |
| 218-01-9 | Chrysene | 460 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 110 | JB |
| 117-84-0 | Di-n-octylphthalate | 460 | U |
| 205-99-2 | Benzo(b)fluoranthene | 460 | U |
| 207-08-9 | Benzo(k)fluoranthene | 460 | U |
| 50-32-8 | Benzo(a)pyrene | 460 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 460 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 460 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 460 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0004

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-04

Sample wt/vol: 30.1 (g/mL) G Lab File ID: AE967

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 29 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICs found: 9

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.36 | 100 | J |
| 2. 13429-07-7 | 2-PROPANOL, 1-(2-METHOXYPROP | 4.86 | 95 | NJ |
| 3. 112-34-5 | ETHANOL, 2-(2-BUTOXYETHOXY)- | 5.85 | 120 | NJ |
| 4. | UNKNOWN | 10.19 | 170 | J |
| 5. 2136-71-2 | ETHANOL, 2-(HEXADECYLOXY)- | 11.09 | 140 | NJ |
| 6. 6624-79-9 | 1-DOTRIACONTANOL | 11.86 | 310 | NJ |
| 7. | UNKNOWN | 12.16 | 110 | J |
| 8. | UNKNOWN | 12.55 | 300 | J |
| 9. | UNKNOWN | 17.31 | 500 | J |
| 10. | | | | |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0005

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-05

Sample wt/vol: 30.4(g/mL) G Lab File ID: AE968

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 27 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 450 | U |
| 108-95-2 | Phenol | 450 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 450 | U |
| 95-57-8 | 2-Chlorophenol | 450 | U |
| 95-48-7 | 2-Methylphenol | 450 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 450 | U |
| 98-86-2 | Acetophenone | 450 | U |
| 106-44-5 | 4-Methylphenol | 450 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 450 | U |
| 67-72-1 | Hexachloroethane | 450 | U |
| 98-95-3 | Nitrobenzene | 450 | U |
| 78-59-1 | Isophorone | 450 | U |
| 88-75-5 | 2-Nitrophenol | 450 | U |
| 105-67-9 | 2,4-Dimethylphenol | 450 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 450 | U |
| 120-83-2 | 2,4-Dichlorophenol | 450 | U |
| 91-20-3 | Naphthalene | 450 | U |
| 106-47-8 | 4-Chloroaniline | 450 | U |
| 87-68-3 | Hexachlorobutadiene | 450 | U |
| 105-60-2 | Caprolactam | 450 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 450 | U |
| 91-57-6 | 2-Methylnaphthalene | 450 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 450 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 450 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1100 | U |
| 92-52-4 | 1,1'-Biphenyl | 450 | U |
| 91-58-7 | 2-Chloronaphthalene | 450 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 450 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 450 | U |
| 208-96-8 | Acenaphthylene | 450 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |
| 83-32-9 | Acenaphthene | 450 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0005

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-05

Sample wt/vol: 30.4(g/mL) G Lab File ID: AE968

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 27 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 450 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 450 | U |
| 84-66-2 | Diethylphthalate | 450 | U |
| 86-73-7 | Fluorene | 450 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 450 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 450 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 450 | U |
| 118-74-1 | Hexachlorobenzene | 450 | U |
| 1912-24-9 | Atrazine | 450 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 450 | U |
| 120-12-7 | Anthracene | 450 | U |
| 86-74-8 | Carbazole | 450 | U |
| 84-74-2 | Di-n-butylphthalate | 450 | U |
| 206-44-0 | Fluoranthene | 450 | U |
| 129-00-0 | Pyrene | 450 | U |
| 85-68-7 | Butylbenzylphthalate | 450 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 450 | U |
| 56-55-3 | Benzo(a)anthracene | 450 | U |
| 218-01-9 | Chrysene | 450 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 62 | JB |
| 117-84-0 | Di-n-octylphthalate | 450 | U |
| 205-99-2 | Benzo(b)fluoranthene | 450 | U |
| 207-08-9 | Benzo(k)fluoranthene | 450 | U |
| 50-32-8 | Benzo(a)pyrene | 450 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 450 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 450 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 450 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0005

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-05

Sample wt/vol: 30.4 (g/mL) G Lab File ID: AE968

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 27 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

Number TICs found: 6

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 10.25 | 280 | J |
| 2. | UNKNOWN | 11.09 | 150 | J |
| 3. 1599-67-3 | 1-DOCOSENE | 11.87 | 380 | NJ |
| 4. | UNKNOWN | 12.56 | 250 | J |
| 5. | UNKNOWN | 17.33 | 530 | J |
| 6. | UNKNOWN | 19.28 | 480 | J |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0006

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-06

Sample wt/vol: 30.4(g/mL) G Lab File ID: AE969

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 28 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 450 | U |
| 108-95-2 | Phenol | 450 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 450 | U |
| 95-57-8 | 2-Chlorophenol | 450 | U |
| 95-48-7 | 2-Methylphenol | 450 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 450 | U |
| 98-86-2 | Acetophenone | 450 | U |
| 106-44-5 | 4-Methylphenol | 450 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 450 | U |
| 67-72-1 | Hexachloroethane | 450 | U |
| 98-95-3 | Nitrobenzene | 450 | U |
| 78-59-1 | Isophorone | 450 | U |
| 88-75-5 | 2-Nitrophenol | 450 | U |
| 105-67-9 | 2,4-Dimethylphenol | 450 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 450 | U |
| 120-83-2 | 2,4-Dichlorophenol | 450 | U |
| 91-20-3 | Naphthalene | 450 | U |
| 106-47-8 | 4-Chloroaniline | 450 | U |
| 87-68-3 | Hexachlorobutadiene | 450 | U |
| 105-60-2 | Caprolactam | 450 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 450 | U |
| 91-57-6 | 2-Methylnaphthalene | 450 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 450 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 450 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1100 | U |
| 92-52-4 | 1,1'-Biphenyl | 450 | U |
| 91-58-7 | 2-Chloronaphthalene | 450 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 450 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 450 | U |
| 208-96-8 | Acenaphthylene | 450 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |
| 83-32-9 | Acenaphthene | 450 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0006

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-06

Sample wt/vol: 30.4(g/mL) G Lab File ID: AE969

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 28 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 450 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 450 | U |
| 84-66-2 | Diethylphthalate | 450 | U |
| 86-73-7 | Fluorene | 450 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 450 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 450 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 450 | U |
| 118-74-1 | Hexachlorobenzene | 450 | U |
| 1912-24-9 | Atrazine | 450 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 450 | U |
| 120-12-7 | Anthracene | 450 | U |
| 86-74-8 | Carbazole | 450 | U |
| 84-74-2 | Di-n-butylphthalate | 450 | U |
| 206-44-0 | Fluoranthene | 450 | U |
| 129-00-0 | Pyrene | 450 | U |
| 85-68-7 | Butylbenzylphthalate | 450 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 450 | U |
| 56-55-3 | Benzo(a)anthracene | 450 | U |
| 218-01-9 | Chrysene | 450 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | JB |
| 117-84-0 | Di-n-octylphthalate | 450 | U |
| 205-99-2 | Benzo(b)fluoranthene | 450 | U |
| 207-08-9 | Benzo(k)fluoranthene | 450 | U |
| 50-32-8 | Benzo(a)pyrene | 450 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 450 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 450 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 450 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0006

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-06

Sample wt/vol: 30.4 (g/mL) G Lab File ID: AE969

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 28 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICs found: 9

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 10.21 | 720 | J |
| 2. | UNKNOWN | 10.78 | 95 | J |
| 3. 2136-71-2 | ETHANOL, 2-(HEXADECYLOXY)- | 11.07 | 120 | NJ |
| 4. 77899-03-7 | 1-HENEICOSYL FORMATE | 11.83 | 320 | NJ |
| 5. | UNKNOWN PHTHALATE | 12.14 | 95 | J |
| 6. 301-02-0 | 9-OCTADECENAMIDE, (Z)- | 12.31 | 210 | NJ |
| 7. | UNKNOWN | 12.53 | 160 | J |
| 8. | UNKNOWN | 17.29 | 430 | J |
| 9. | UNKNOWN | 19.24 | 180 | J |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0007

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-07

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE970

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 30 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 470 | U |
| 108-95-2 | Phenol | 470 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 470 | U |
| 95-57-8 | 2-Chlorophenol | 470 | U |
| 95-48-7 | 2-Methylphenol | 470 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 470 | U |
| 98-86-2 | Acetophenone | 470 | U |
| 106-44-5 | 4-Methylphenol | 470 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 470 | U |
| 67-72-1 | Hexachloroethane | 470 | U |
| 98-95-3 | Nitrobenzene | 470 | U |
| 78-59-1 | Isophorone | 470 | U |
| 88-75-5 | 2-Nitrophenol | 470 | U |
| 105-67-9 | 2,4-Dimethylphenol | 470 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 470 | U |
| 120-83-2 | 2,4-Dichlorophenol | 470 | U |
| 91-20-3 | Naphthalene | 470 | U |
| 106-47-8 | 4-Chloroaniline | 470 | U |
| 87-68-3 | Hexachlorobutadiene | 470 | U |
| 105-60-2 | Caprolactam | 470 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 470 | U |
| 91-57-6 | 2-Methylnaphthalene | 470 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 470 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 470 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1200 | U |
| 92-52-4 | 1,1'-Biphenyl | 470 | U |
| 91-58-7 | 2-Chloronaphthalene | 470 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 470 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 470 | U |
| 208-96-8 | Acenaphthylene | 470 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |
| 83-32-9 | Acenaphthene | 470 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0007

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-07

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE970

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 30 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1200 | U |
| 100-02-7 | 4-Nitrophenol | 1200 | U |
| 132-64-9 | Dibenzofuran | 470 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 470 | U |
| 84-66-2 | Diethylphthalate | 470 | U |
| 86-73-7 | Fluorene | 470 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 470 | U |
| 100-01-6 | 4-Nitroaniline | 1200 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 470 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 470 | U |
| 118-74-1 | Hexachlorobenzene | 470 | U |
| 1912-24-9 | Atrazine | 470 | U |
| 87-86-5 | Pentachlorophenol | 1200 | U |
| 85-01-8 | Phenanthrene | 470 | U |
| 120-12-7 | Anthracene | 470 | U |
| 86-74-8 | Carbazole | 470 | U |
| 84-74-2 | Di-n-butylphthalate | 470 | U |
| 206-44-0 | Fluoranthene | 470 | U |
| 129-00-0 | Pyrene | 470 | U |
| 85-68-7 | Butylbenzylphthalate | 470 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 470 | U |
| 56-55-3 | Benzo(a)anthracene | 470 | U |
| 218-01-9 | Chrysene | 470 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 71 | JB |
| 117-84-0 | Di-n-octylphthalate | 470 | U |
| 205-99-2 | Benzo(b)fluoranthene | 470 | U |
| 207-08-9 | Benzo(k)fluoranthene | 470 | U |
| 50-32-8 | Benzo(a)pyrene | 470 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 470 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 470 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 470 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0007

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-07

Sample wt/vol: 30.3 (g/mL) G Lab File ID: AE970

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 30 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICs found: 10

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.37 | 170 | J |
| 2. 57-10-3 | HEXADECANOIC ACID | 9.43 | 150 | NJ |
| 3. 2136-70-1 | ETHANOL, 2-(TETRADECYLOXY)- | 11.12 | 260 | NJ |
| 4. 1599-67-3 | 1-DOCOSENE | 11.89 | 410 | NJ |
| 5. | UNKNOWN AMIDE | 12.37 | 130 | J |
| 6. | UNKNOWN | 12.58 | 340 | J |
| 7. | UNKNOWN ALCOHOL/ALKENE | 12.88 | 210 | J |
| 8. | UNKNOWN | 15.22 | 110 | J |
| 9. | UNKNOWN | 17.34 | 1300 | J |
| 10. | UNKNOWN | 19.30 | 390 | J |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0008

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-08

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE971

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 490 | U |
| 108-95-2 | Phenol | 490 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 490 | U |
| 95-57-8 | 2-Chlorophenol | 490 | U |
| 95-48-7 | 2-Methylphenol | 490 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 490 | U |
| 98-86-2 | Acetophenone | 490 | U |
| 106-44-5 | 4-Methylphenol | 490 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 490 | U |
| 67-72-1 | Hexachloroethane | 490 | U |
| 98-95-3 | Nitrobenzene | 490 | U |
| 78-59-1 | Isophorone | 490 | U |
| 88-75-5 | 2-Nitrophenol | 490 | U |
| 105-67-9 | 2,4-Dimethylphenol | 490 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 490 | U |
| 120-83-2 | 2,4-Dichlorophenol | 490 | U |
| 91-20-3 | Naphthalene | 79 | J |
| 106-47-8 | 4-Chloroaniline | 490 | U |
| 87-68-3 | Hexachlorobutadiene | 490 | U |
| 105-60-2 | Caprolactam | 490 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 490 | U |
| 91-57-6 | 2-Methylnaphthalene | 490 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 490 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 490 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1200 | U |
| 92-52-4 | 1,1'-Biphenyl | 490 | U |
| 91-58-7 | 2-Chloronaphthalene | 490 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 490 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 490 | U |
| 208-96-8 | Acenaphthylene | 490 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |
| 83-32-9 | Acenaphthene | 490 | U |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0008

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-08

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE971

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1200 | U |
| 100-02-7 | 4-Nitrophenol | 1200 | U |
| 132-64-9 | Dibenzofuran | 490 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 490 | U |
| 84-66-2 | Diethylphthalate | 490 | U |
| 86-73-7 | Fluorene | 490 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 490 | U |
| 100-01-6 | 4-Nitroaniline | 1200 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 490 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 490 | U |
| 118-74-1 | Hexachlorobenzene | 490 | U |
| 1912-24-9 | Atrazine | 490 | U |
| 87-86-5 | Pentachlorophenol | 1200 | U |
| 85-01-8 | Phenanthrene | 490 | U |
| 120-12-7 | Anthracene | 490 | U |
| 86-74-8 | Carbazole | 490 | U |
| 84-74-2 | Di-n-butylphthalate | 490 | U |
| 206-44-0 | Fluoranthene | 490 | U |
| 129-00-0 | Pyrene | 490 | U |
| 85-68-7 | Butylbenzylphthalate | 490 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 490 | U |
| 56-55-3 | Benzo(a)anthracene | 490 | U |
| 218-01-9 | Chrysene | 490 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | JB |
| 117-84-0 | Di-n-octylphthalate | 490 | U |
| 205-99-2 | Benzo(b)fluoranthene | 490 | U |
| 207-08-9 | Benzo(k)fluoranthene | 490 | U |
| 50-32-8 | Benzo(a)pyrene | 490 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 490 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 490 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 490 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

E0008

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-08

Sample wt/vol: 30.3 (g/mL) G Lab File ID: AE971

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 33 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

Number TICs found: 11

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 57-10-3 | HEXADECANOIC ACID | 9.45 | 110 | NJ |
| 2. | UNKNOWN | 10.06 | 110 | J |
| 3. 0-00-0 | ACETAMIDE, N-METHYL-N-[4-[4- | 11.15 | 250 | NJ |
| 4. 629-96-9 | 1-EICOSANOL | 11.93 | 900 | NJ |
| 5. | UNKNOWN AMIDE | 12.41 | 170 | J |
| 6. | UNKNOWN ALDEHYDE | 12.61 | 360 | J |
| 7. | UNKNOWN | 14.59 | 160 | J |
| 8. 83-47-6 | .GAMMA.-SITOSTEROL | 17.39 | 1100 | NJ |
| 9. | UNKNOWN | 17.90 | 330 | J |
| 10. | UNKNOWN | 18.47 | 290 | J |
| 11. | UNKNOWN | 18.80 | 400 | J |
| 12. | | | | |
| 13. | | | | |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0009

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-09

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE972

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 400 | U |
| 108-95-2 | Phenol | 400 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 400 | U |
| 95-57-8 | 2-Chlorophenol | 400 | U |
| 95-48-7 | 2-Methylphenol | 400 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 400 | U |
| 98-86-2 | Acetophenone | 400 | U |
| 106-44-5 | 4-Methylphenol | 400 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 400 | U |
| 67-72-1 | Hexachloroethane | 400 | U |
| 98-95-3 | Nitrobenzene | 400 | U |
| 78-59-1 | Isophorone | 400 | U |
| 88-75-5 | 2-Nitrophenol | 400 | U |
| 105-67-9 | 2,4-Dimethylphenol | 400 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 400 | U |
| 120-83-2 | 2,4-Dichlorophenol | 400 | U |
| 91-20-3 | Naphthalene | 400 | U |
| 106-47-8 | 4-Chloroaniline | 400 | U |
| 87-68-3 | Hexachlorobutadiene | 400 | U |
| 105-60-2 | Caprolactam | 400 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 400 | U |
| 91-57-6 | 2-Methylnaphthalene | 400 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 400 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 400 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 990 | U |
| 92-52-4 | 1,1'-Biphenyl | 400 | U |
| 91-58-7 | 2-Chloronaphthalene | 400 | U |
| 88-74-4 | 2-Nitroaniline | 990 | U |
| 131-11-3 | Dimethylphthalate | 400 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 400 | U |
| 208-96-8 | Acenaphthylene | 400 | U |
| 99-09-2 | 3-Nitroaniline | 990 | U |
| 83-32-9 | Acenaphthene | 400 | U |

ID EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0009

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-09

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE972

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 990 | U |
| 100-02-7 | 4-Nitrophenol | 990 | U |
| 132-64-9 | Dibenzofuran | 400 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 400 | U |
| 84-66-2 | Diethylphthalate | 400 | U |
| 86-73-7 | Fluorene | 400 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 400 | U |
| 100-01-6 | 4-Nitroaniline | 990 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 990 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 400 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 400 | U |
| 118-74-1 | Hexachlorobenzene | 400 | U |
| 1912-24-9 | Atrazine | 400 | U |
| 87-86-5 | Pentachlorophenol | 990 | U |
| 85-01-8 | Phenanthrene | 400 | U |
| 120-12-7 | Anthracene | 400 | U |
| 86-74-8 | Carbazole | 400 | U |
| 84-74-2 | Di-n-butylphthalate | 120 | J |
| 206-44-0 | Fluoranthene | 400 | U |
| 129-00-0 | Pyrene | 400 | U |
| 85-68-7 | Butylbenzylphthalate | 400 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 56-55-3 | Benzo(a)anthracene | 400 | U |
| 218-01-9 | Chrysene | 400 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 770 | B |
| 117-84-0 | Di-n-octylphthalate | 400 | U |
| 205-99-2 | Benzo(b)fluoranthene | 400 | U |
| 207-08-9 | Benzo(k)fluoranthene | 400 | U |
| 50-32-8 | Benzo(a)pyrene | 400 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 400 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 400 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 400 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0009

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-09

Sample wt/vol: 30.1 (g/mL) G Lab File ID: AE972

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 17 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICs found: 9

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.37 | 120 | J |
| 2. 112-27-6 | TRIETHYLENE GLYCOL | 8.92 | 110 | NJ |
| 3. 2136-71-2 | ETHANOL, 2-(HEXADECYLOXY)- | 11.17 | 130 | NJ |
| 4. 629-96-9 | 1-EICOSANOL | 11.95 | 270 | NJ |
| 5. | UNKNOWN | 12.25 | 93 | J |
| 6. 301-02-0 | 9-OCTADECENAMIDE, (Z)- | 12.42 | 160 | NJ |
| 7. | UNKNOWN | 12.64 | 310 | J |
| 8. | UNKNOWN | 15.29 | 180 | J |
| 9. | UNKNOWN | 17.40 | 180 | J |
| 10. | | | | |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0010

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-10

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE973

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 40 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 550 | U |
| 108-95-2 | Phenol | 550 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 550 | U |
| 95-57-8 | 2-Chlorophenol | 550 | U |
| 95-48-7 | 2-Methylphenol | 550 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 550 | U |
| 98-86-2 | Acetophenone | 550 | U |
| 106-44-5 | 4-Methylphenol | 550 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 550 | U |
| 67-72-1 | Hexachloroethane | 550 | U |
| 98-95-3 | Nitrobenzene | 550 | U |
| 78-59-1 | Isophorone | 550 | U |
| 88-75-5 | 2-Nitrophenol | 550 | U |
| 105-67-9 | 2,4-Dimethylphenol | 550 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 550 | U |
| 120-83-2 | 2,4-Dichlorophenol | 550 | U |
| 91-20-3 | Naphthalene | 550 | U |
| 106-47-8 | 4-Chloroaniline | 550 | U |
| 87-68-3 | Hexachlorobutadiene | 550 | U |
| 105-60-2 | Caprolactam | 550 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 550 | U |
| 91-57-6 | 2-Methylnaphthalene | 550 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 550 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 550 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1400 | U |
| 92-52-4 | 1,1'-Biphenyl | 550 | U |
| 91-58-7 | 2-Chloronaphthalene | 550 | U |
| 88-74-4 | 2-Nitroaniline | 1400 | U |
| 131-11-3 | Dimethylphthalate | 550 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 550 | U |
| 208-96-8 | Acenaphthylene | 550 | U |
| 99-09-2 | 3-Nitroaniline | 1400 | U |
| 83-32-9 | Acenaphthene | 550 | U |

ID EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0010

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-10

Sample wt/vol: 30.1(g/mL) G Lab File ID: AE973

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 40 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1400 | U |
| 100-02-7 | 4-Nitrophenol | 1400 | U |
| 132-64-9 | Dibenzofuran | 550 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 550 | U |
| 84-66-2 | Diethylphthalate | 550 | U |
| 86-73-7 | Fluorene | 550 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 550 | U |
| 100-01-6 | 4-Nitroaniline | 1400 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1400 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 550 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 550 | U |
| 118-74-1 | Hexachlorobenzene | 550 | U |
| 1912-24-9 | Atrazine | 550 | U |
| 87-86-5 | Pentachlorophenol | 1400 | U |
| 85-01-8 | Phenanthrene | 550 | U |
| 120-12-7 | Anthracene | 550 | U |
| 86-74-8 | Carbazole | 550 | U |
| 84-74-2 | Di-n-butylphthalate | 550 | U |
| 206-44-0 | Fluoranthene | 550 | U |
| 129-00-0 | Pyrene | 550 | U |
| 85-68-7 | Butylbenzylphthalate | 550 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 550 | U |
| 56-55-3 | Benzo(a)anthracene | 550 | U |
| 218-01-9 | Chrysene | 550 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 99 | JB |
| 117-84-0 | Di-n-octylphthalate | 550 | U |
| 205-99-2 | Benzo(b)fluoranthene | 550 | U |
| 207-08-9 | Benzo(k)fluoranthene | 550 | U |
| 50-32-8 | Benzo(a)pyrene | 550 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 550 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 550 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 550 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0010

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-10

Sample wt/vol: 30.1 (g/mL) G Lab File ID: AE973

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 40 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

Number TICs found: 24

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 6.07 | 180 | J |
| 2. 106-02-5 | OXACYCLOHEXADECAN-2-ONE | 9.40 | 170 | NJ |
| 3. 57-10-3 | HEXADECANOIC ACID | 9.45 | 360 | NJ |
| 4. | UNKNOWN | 9.60 | 110 | J |
| 5. | UNKNOWN | 10.07 | 230 | J |
| 6. | UNKNOWN | 11.07 | 120 | J |
| 7. 6624-79-9 | 1-DOTRIACONTANOL | 11.16 | 490 | NJ |
| 8. 629-96-9 | 1-EICOSANOL | 11.93 | 1200 | NJ |
| 9. | UNKNOWN AMIDE | 12.41 | 150 | J |
| 10. | UNKNOWN | 12.62 | 490 | J |
| 11. | UNKNOWN ALCOHOL/ALKENE | 14.27 | 340 | J |
| 12. | UNKNOWN | 14.90 | 380 | J |
| 13. | UNKNOWN | 15.28 | 200 | J |
| 14. | UNKNOWN ALDEHYDE | 15.51 | 160 | J |
| 15. | UNKNOWN | 15.72 | 170 | J |
| 16. 629-96-9 | 1-EICOSANOL | 16.14 | 310 | NJ |
| 17. | UNKNOWN | 16.34 | 190 | J |
| 18. | UNKNOWN | 16.69 | 220 | J |
| 19. 83-47-6 | .GAMMA.-SITOSTEROL | 17.41 | 3800 | NJ |
| 20. | UNKNOWN | 17.57 | 160 | J |
| 21. | UNKNOWN | 17.90 | 440 | J |
| 22. 6831-17-0 | 2H-CYCLOPROPA[A]NAPHTHALEN-2 | 18.23 | 450 | NJ |
| 23. | UNKNOWN | 18.48 | 1300 | J |
| 24. | UNKNOWN | 18.82 | 2900 | J |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
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| 29. | | | | |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0011

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-11

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE974

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 390 | U |
| 108-95-2 | Phenol | 390 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 390 | U |
| 95-57-8 | 2-Chlorophenol | 390 | U |
| 95-48-7 | 2-Methylphenol | 390 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 390 | U |
| 98-86-2 | Acetophenone | 390 | U |
| 106-44-5 | 4-Methylphenol | 390 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 390 | U |
| 67-72-1 | Hexachloroethane | 390 | U |
| 98-95-3 | Nitrobenzene | 390 | U |
| 78-59-1 | Isophorone | 390 | U |
| 88-75-5 | 2-Nitrophenol | 390 | U |
| 105-67-9 | 2,4-Dimethylphenol | 390 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 390 | U |
| 120-83-2 | 2,4-Dichlorophenol | 390 | U |
| 91-20-3 | Naphthalene | 390 | U |
| 106-47-8 | 4-Chloroaniline | 390 | U |
| 87-68-3 | Hexachlorobutadiene | 390 | U |
| 105-60-2 | Caprolactam | 390 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 390 | U |
| 91-57-6 | 2-Methylnaphthalene | 390 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 390 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 390 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 980 | U |
| 92-52-4 | 1,1'-Biphenyl | 390 | U |
| 91-58-7 | 2-Chloronaphthalene | 390 | U |
| 88-74-4 | 2-Nitroaniline | 980 | U |
| 131-11-3 | Dimethylphthalate | 390 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 390 | U |
| 208-96-8 | Acenaphthylene | 390 | U |
| 99-09-2 | 3-Nitroaniline | 980 | U |
| 83-32-9 | Acenaphthene | 390 | U |

1D

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0011

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-11

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE974

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 980 | U |
| 100-02-7 | 4-Nitrophenol | 980 | U |
| 132-64-9 | Dibenzofuran | 390 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 390 | U |
| 84-66-2 | Diethylphthalate | 390 | U |
| 86-73-7 | Fluorene | 390 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 390 | U |
| 100-01-6 | 4-Nitroaniline | 980 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 980 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 390 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 390 | U |
| 118-74-1 | Hexachlorobenzene | 390 | U |
| 1912-24-9 | Atrazine | 390 | U |
| 87-86-5 | Pentachlorophenol | 980 | U |
| 85-01-8 | Phenanthrene | 390 | U |
| 120-12-7 | Anthracene | 390 | U |
| 86-74-8 | Carbazole | 390 | U |
| 84-74-2 | Di-n-butylphthalate | 390 | U |
| 206-44-0 | Fluoranthene | 390 | U |
| 129-00-0 | Pyrene | 390 | U |
| 85-68-7 | Butylbenzylphthalate | 390 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 56-55-3 | Benzo(a)anthracene | 390 | U |
| 218-01-9 | Chrysene | 390 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 910 | B |
| 117-84-0 | Di-n-octylphthalate | 390 | U |
| 205-99-2 | Benzo(b)fluoranthene | 390 | U |
| 207-08-9 | Benzo(k)fluoranthene | 390 | U |
| 50-32-8 | Benzo(a)pyrene | 390 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 390 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 390 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 390 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0011

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-11

Sample wt/vol: 30.3 (g/mL) G Lab File ID: AE974

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 17 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

Number TICs found: 7

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 57-10-3 | HEXADECANOIC ACID | 9.45 | 91 | NJ |
| 2. 4536-30-5 | ETHANOL, 2-(DODECYLOXY)- | 11.16 | 200 | NJ |
| 3. 19047-85-9 | PHOSPHONIC ACID, DIOCTADECYL | 11.94 | 490 | NJ |
| 4. 301-02-0 | 9-OCTADECENAMIDE, (Z)- | 12.42 | 250 | NJ |
| 5. | UNKNOWN | 12.63 | 320 | J |
| 6. | UNKNOWN | 15.27 | 140 | J |
| 7. | UNKNOWN | 17.39 | 460 | J |
| 8. | | | | |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0012

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-12

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE975

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 26 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 440 | U |
| 108-95-2 | Phenol | 440 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 440 | U |
| 95-57-8 | 2-Chlorophenol | 440 | U |
| 95-48-7 | 2-Methylphenol | 440 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 440 | U |
| 98-86-2 | Acetophenone | 440 | U |
| 106-44-5 | 4-Methylphenol | 440 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 440 | U |
| 67-72-1 | Hexachloroethane | 440 | U |
| 98-95-3 | Nitrobenzene | 440 | U |
| 78-59-1 | Isophorone | 440 | U |
| 88-75-5 | 2-Nitrophenol | 440 | U |
| 105-67-9 | 2,4-Dimethylphenol | 440 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 440 | U |
| 120-83-2 | 2,4-Dichlorophenol | 440 | U |
| 91-20-3 | Naphthalene | 440 | U |
| 106-47-8 | 4-Chloroaniline | 440 | U |
| 87-68-3 | Hexachlorobutadiene | 440 | U |
| 105-60-2 | Caprolactam | 440 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 440 | U |
| 91-57-6 | 2-Methylnaphthalene | 440 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 440 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 440 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1100 | U |
| 92-52-4 | 1,1'-Biphenyl | 440 | U |
| 91-58-7 | 2-Chloronaphthalene | 440 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 440 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 440 | U |
| 208-96-8 | Acenaphthylene | 440 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |
| 83-32-9 | Acenaphthene | 440 | U |

1D EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0012

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-12

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE975

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 26 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 440 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 440 | U |
| 84-66-2 | Diethylphthalate | 440 | U |
| 86-73-7 | Fluorene | 440 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 440 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 440 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 440 | U |
| 118-74-1 | Hexachlorobenzene | 440 | U |
| 1912-24-9 | Atrazine | 440 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 440 | U |
| 120-12-7 | Anthracene | 440 | U |
| 86-74-8 | Carbazole | 440 | U |
| 84-74-2 | Di-n-butylphthalate | 440 | U |
| 206-44-0 | Fluoranthene | 440 | U |
| 129-00-0 | Pyrene | 440 | U |
| 85-68-7 | Butylbenzylphthalate | 440 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 440 | U |
| 56-55-3 | Benzo(a)anthracene | 440 | U |
| 218-01-9 | Chrysene | 440 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 440 | U |
| 117-84-0 | Di-n-octylphthalate | 440 | U |
| 205-99-2 | Benzo(b)fluoranthene | 440 | U |
| 207-08-9 | Benzo(k)fluoranthene | 440 | U |
| 50-32-8 | Benzo(a)pyrene | 440 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 440 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 440 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 440 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

E0012

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-12

Sample wt/vol: 30.3 (g/mL) G Lab File ID: AE975

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 26 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICs found: 14

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 112-27-6 | TRIETHYLENE GLYCOL | 7.69 | 92 | NJ |
| 2. 57-10-3 | HEXADECANOIC ACID | 9.45 | 150 | NJ |
| 3. | UNKNOWN | 10.07 | 140 | J |
| 4. 2136-70-1 | ETHANOL, 2-(TETRADECYLOXY)- | 11.17 | 290 | NJ |
| 5. | UNKNOWN | 11.43 | 110 | J |
| 6. 1454-84-8 | 1-NONADECANOL | 11.94 | 690 | NJ |
| 7. | UNKNOWN | 12.63 | 390 | J |
| 8. | UNKNOWN ALCOHOL/ALKENE | 12.93 | 200 | J |
| 9. | UNKNOWN ALCOHOL/ALKENE | 14.28 | 240 | J |
| 10. | UNKNOWN | 15.28 | 170 | J |
| 11. | UNKNOWN | 16.35 | 110 | J |
| 12. | UNKNOWN | 17.40 | 960 | J |
| 13. | UNKNOWN | 18.81 | 140 | J |
| 14. | UNKNOWN | 19.36 | 440 | J |
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0013

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-13

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE976

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 29 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 460 | U |
| 108-95-2 | Phenol | 460 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 460 | U |
| 95-57-8 | 2-Chlorophenol | 460 | U |
| 95-48-7 | 2-Methylphenol | 460 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 460 | U |
| 98-86-2 | Acetophenone | 460 | U |
| 106-44-5 | 4-Methylphenol | 460 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 460 | U |
| 67-72-1 | Hexachloroethane | 460 | U |
| 98-95-3 | Nitrobenzene | 460 | U |
| 78-59-1 | Isophorone | 460 | U |
| 88-75-5 | 2-Nitrophenol | 460 | U |
| 105-67-9 | 2,4-Dimethylphenol | 460 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 460 | U |
| 120-83-2 | 2,4-Dichlorophenol | 460 | U |
| 91-20-3 | Naphthalene | 460 | U |
| 106-47-8 | 4-Chloroaniline | 460 | U |
| 87-68-3 | Hexachlorobutadiene | 460 | U |
| 105-60-2 | Caprolactam | 460 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 460 | U |
| 91-57-6 | 2-Methylnaphthalene | 460 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 460 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 460 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1200 | U |
| 92-52-4 | 1,1'-Biphenyl | 460 | U |
| 91-58-7 | 2-Chloronaphthalene | 460 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 460 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 460 | U |
| 208-96-8 | Acenaphthylene | 460 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |
| 83-32-9 | Acenaphthene | 460 | U |

1D

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0013

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-13

Sample wt/vol: 30.3(g/mL) G Lab File ID: AE976

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 29 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1200 | U |
| 100-02-7 | 4-Nitrophenol | 1200 | U |
| 132-64-9 | Dibenzofuran | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 460 | U |
| 84-66-2 | Diethylphthalate | 460 | U |
| 86-73-7 | Fluorene | 460 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 460 | U |
| 100-01-6 | 4-Nitroaniline | 1200 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 460 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 460 | U |
| 118-74-1 | Hexachlorobenzene | 460 | U |
| 1912-24-9 | Atrazine | 460 | U |
| 87-86-5 | Pentachlorophenol | 1200 | U |
| 85-01-8 | Phenanthrene | 460 | U |
| 120-12-7 | Anthracene | 460 | U |
| 86-74-8 | Carbazole | 460 | U |
| 84-74-2 | Di-n-butylphthalate | 460 | U |
| 206-44-0 | Fluoranthene | 460 | U |
| 129-00-0 | Pyrene | 460 | U |
| 85-68-7 | Butylbenzylphthalate | 460 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 460 | U |
| 56-55-3 | Benzo(a)anthracene | 460 | U |
| 218-01-9 | Chrysene | 460 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | JB |
| 117-84-0 | Di-n-octylphthalate | 460 | U |
| 205-99-2 | Benzo(b)fluoranthene | 460 | U |
| 207-08-9 | Benzo(k)fluoranthene | 460 | U |
| 50-32-8 | Benzo(a)pyrene | 460 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 460 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 460 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 460 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0013

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-13

Sample wt/vol: 30.3 (g/mL) G Lab File ID: AE976

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 29 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 13

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 57-10-3 | HEXADECANOIC ACID | 9.44 | 160 | NJ |
| 2. | UNKNOWN | 10.38 | 190 | J |
| 3. 1454-84-8 | 1-NONADECANOL | 11.93 | 690 | NJ |
| 4. | UNKNOWN | 12.62 | 380 | J |
| 5. 1454-84-8 | 1-NONADECANOL | 12.92 | 190 | NJ |
| 6. | UNKNOWN ALCOHOL/ALKENE | 14.26 | 220 | J |
| 7. | UNKNOWN | 15.26 | 160 | J |
| 8. | UNKNOWN | 17.39 | 920 | J |
| 9. | UNKNOWN | 17.89 | 170 | J |
| 10. | UNKNOWN | 18.22 | 400 | J |
| 11. | UNKNOWN | 18.46 | 230 | J |
| 12. | UNKNOWN | 18.80 | 380 | J |
| 13. | UNKNOWN | 19.34 | 460 | J |
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0014

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-14

Sample wt/vol: 30.5(g/mL) G Lab File ID: AE977

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 28 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 450 | U |
| 108-95-2 | Phenol | 450 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 450 | U |
| 95-57-8 | 2-Chlorophenol | 450 | U |
| 95-48-7 | 2-Methylphenol | 450 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 450 | U |
| 98-86-2 | Acetophenone | 450 | U |
| 106-44-5 | 4-Methylphenol | 450 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 450 | U |
| 67-72-1 | Hexachloroethane | 450 | U |
| 98-95-3 | Nitrobenzene | 450 | U |
| 78-59-1 | Isophorone | 450 | U |
| 88-75-5 | 2-Nitrophenol | 450 | U |
| 105-67-9 | 2,4-Dimethylphenol | 450 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 450 | U |
| 120-83-2 | 2,4-Dichlorophenol | 450 | U |
| 91-20-3 | Naphthalene | 450 | U |
| 106-47-8 | 4-Chloroaniline | 450 | U |
| 87-68-3 | Hexachlorobutadiene | 450 | U |
| 105-60-2 | Caprolactam | 450 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 450 | U |
| 91-57-6 | 2-Methylnaphthalene | 450 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 450 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 450 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1100 | U |
| 92-52-4 | 1,1'-Biphenyl | 450 | U |
| 91-58-7 | 2-Chloronaphthalene | 450 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 450 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 450 | U |
| 208-96-8 | Acenaphthylene | 450 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |
| 83-32-9 | Acenaphthene | 450 | U |

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0014

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-14

Sample wt/vol: 30.5(g/mL) G Lab File ID: AE977

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 28 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 450 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 450 | U |
| 84-66-2 | Diethylphthalate | 450 | U |
| 86-73-7 | Fluorene | 450 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 450 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 450 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 450 | U |
| 118-74-1 | Hexachlorobenzene | 450 | U |
| 1912-24-9 | Atrazine | 450 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 450 | U |
| 120-12-7 | Anthracene | 450 | U |
| 86-74-8 | Carbazole | 450 | U |
| 84-74-2 | Di-n-butylphthalate | 450 | U |
| 206-44-0 | Fluoranthene | 450 | U |
| 129-00-0 | Pyrene | 450 | U |
| 85-68-7 | Butylbenzylphthalate | 450 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 450 | U |
| 56-55-3 | Benzo(a)anthracene | 450 | U |
| 218-01-9 | Chrysene | 450 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 450 | U |
| 117-84-0 | Di-n-octylphthalate | 450 | U |
| 205-99-2 | Benzo(b)fluoranthene | 450 | U |
| 207-08-9 | Benzo(k)fluoranthene | 450 | U |
| 50-32-8 | Benzo(a)pyrene | 450 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 450 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 450 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 450 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0014

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-14

Sample wt/vol: 30.5 (g/mL) G Lab File ID: AE977

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: 28 Decanted: (Y/N) N Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICs found: 17

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.37 | 130 | J |
| 2. | UNKNOWN FATTY ACID | 9.43 | 140 | J |
| 3. | UNKNOWN | 10.36 | 240 | J |
| 4. 2136-70-1 | ETHANOL, 2-(TETRADECYLOXY)- | 11.13 | 400 | NJ |
| 5. | UNKNOWN PHTHALATE | 11.40 | 130 | J |
| 6. 1454-84-8 | 1-NONADECANOL | 11.90 | 730 | NJ |
| 7. | UNKNOWN | 12.37 | 120 | J |
| 8. | UNKNOWN | 12.59 | 410 | J |
| 9. | UNKNOWN | 14.86 | 170 | J |
| 10. | UNKNOWN | 15.24 | 230 | J |
| 11. | UNKNOWN ALDEHYDE | 15.47 | 130 | J |
| 12. | UNKNOWN ALCOHOL/ALKENE | 16.10 | 140 | J |
| 13. 83-47-6 | .GAMMA.-SITOSTEROL | 17.35 | 1400 | NJ |
| 14. | UNKNOWN | 17.86 | 440 | J |
| 15. | UNKNOWN | 18.45 | 440 | J |
| 16. | UNKNOWN | 18.77 | 130 | J |
| 17. 604-39-7 | ANDROST-4-EN-3-ONE, 17-HYDRO | 19.32 | 800 | NJ |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKAX

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: S0415-B2A

Sample wt/vol: 30.0(g/mL) G Lab File ID: AE963

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 330 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 330 | U |
| 95-57-8 | 2-Chlorophenol | 330 | U |
| 95-48-7 | 2-Methylphenol | 330 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 330 | U |
| 98-86-2 | Acetophenone | 330 | U |
| 106-44-5 | 4-Methylphenol | 330 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 330 | U |
| 67-72-1 | Hexachloroethane | 330 | U |
| 98-95-3 | Nitrobenzene | 330 | U |
| 78-59-1 | Isophorone | 330 | U |
| 88-75-5 | 2-Nitrophenol | 330 | U |
| 105-67-9 | 2,4-Dimethylphenol | 330 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 330 | U |
| 120-83-2 | 2,4-Dichlorophenol | 330 | U |
| 91-20-3 | Naphthalene | 330 | U |
| 106-47-8 | 4-Chloroaniline | 330 | U |
| 87-68-3 | Hexachlorobutadiene | 330 | U |
| 105-60-2 | Caprolactam | 330 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 830 | U |
| 92-52-4 | 1,1'-Biphenyl | 330 | U |
| 91-58-7 | 2-Chloronaphthalene | 330 | U |
| 88-74-4 | 2-Nitroaniline | 830 | U |
| 131-11-3 | Dimethylphthalate | 330 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 330 | U |
| 208-96-8 | Acenaphthylene | 330 | U |
| 99-09-2 | 3-Nitroaniline | 830 | U |
| 83-32-9 | Acenaphthene | 330 | U |

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKAX

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: S0415-B2A

Sample wt/vol: 30.0(g/mL) G Lab File ID: AE963

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 830 | U |
| 100-02-7 | 4-Nitrophenol | 830 | U |
| 132-64-9 | Dibenzofuran | 330 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 330 | U |
| 84-66-2 | Diethylphthalate | 330 | U |
| 86-73-7 | Fluorene | 330 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 330 | U |
| 100-01-6 | 4-Nitroaniline | 830 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 830 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 330 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1 | Hexachlorobenzene | 330 | U |
| 1912-24-9 | Atrazine | 330 | U |
| 87-86-5 | Pentachlorophenol | 830 | U |
| 85-01-8 | Phenanthrene | 330 | U |
| 120-12-7 | Anthracene | 330 | U |
| 86-74-8 | Carbazole | 330 | U |
| 84-74-2 | Di-n-butylphthalate | 330 | U |
| 206-44-0 | Fluoranthene | 330 | U |
| 129-00-0 | Pyrene | 330 | U |
| 85-68-7 | Butylbenzylphthalate | 330 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 330 | U |
| 56-55-3 | Benzo(a)anthracene | 330 | U |
| 218-01-9 | Chrysene | 330 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 59 | J |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo(b)fluoranthene | 330 | U |
| 207-08-9 | Benzo(k)fluoranthene | 330 | U |
| 50-32-8 | Benzo(a)pyrene | 330 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 330 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 330 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKAX

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: S0415-B2A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AE963

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/17/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKDJ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: S0415-B2D

Sample wt/vol: 30.0(g/mL) G Lab File ID: DG307

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/18/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 330 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 330 | U |
| 95-57-8 | 2-Chlorophenol | 330 | U |
| 95-48-7 | 2-Methylphenol | 330 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 330 | U |
| 98-86-2 | Acetophenone | 330 | U |
| 106-44-5 | 4-Methylphenol | 330 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 330 | U |
| 67-72-1 | Hexachloroethane | 330 | U |
| 98-95-3 | Nitrobenzene | 330 | U |
| 78-59-1 | Isophorone | 330 | U |
| 88-75-5 | 2-Nitrophenol | 330 | U |
| 105-67-9 | 2,4-Dimethylphenol | 330 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 330 | U |
| 120-83-2 | 2,4-Dichlorophenol | 330 | U |
| 91-20-3 | Naphthalene | 330 | U |
| 106-47-8 | 4-Chloroaniline | 330 | U |
| 87-68-3 | Hexachlorobutadiene | 330 | U |
| 105-60-2 | Caprolactam | 330 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 830 | U |
| 92-52-4 | 1,1'-Biphenyl | 330 | U |
| 91-58-7 | 2-Chloronaphthalene | 330 | U |
| 88-74-4 | 2-Nitroaniline | 830 | U |
| 131-11-3 | Dimethylphthalate | 330 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 330 | U |
| 208-96-8 | Acenaphthylene | 330 | U |
| 99-09-2 | 3-Nitroaniline | 830 | U |
| 83-32-9 | Acenaphthene | 330 | U |

1D

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKDJ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: S0415-B2D

Sample wt/vol: 30.0(g/mL) G Lab File ID: DG307

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/18/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 830 | U |
| 100-02-7 | 4-Nitrophenol | 830 | U |
| 132-64-9 | Dibenzofuran | 330 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 330 | U |
| 84-66-2 | Diethylphthalate | 330 | U |
| 86-73-7 | Fluorene | 330 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 330 | U |
| 100-01-6 | 4-Nitroaniline | 830 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 830 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 330 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1 | Hexachlorobenzene | 330 | U |
| 1912-24-9 | Atrazine | 330 | U |
| 87-86-5 | Pentachlorophenol | 830 | U |
| 85-01-8 | Phenanthrene | 330 | U |
| 120-12-7 | Anthracene | 330 | U |
| 86-74-8 | Carbazole | 330 | U |
| 84-74-2 | Di-n-butylphthalate | 330 | U |
| 206-44-0 | Fluoranthene | 330 | U |
| 129-00-0 | Pyrene | 330 | U |
| 85-68-7 | Butylbenzylphthalate | 330 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 330 | U |
| 56-55-3 | Benzo(a)anthracene | 330 | U |
| 218-01-9 | Chrysene | 330 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 330 | U |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo(b)fluoranthene | 330 | U |
| 207-08-9 | Benzo(k)fluoranthene | 330 | U |
| 50-32-8 | Benzo(a)pyrene | 330 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 330 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 330 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKDJ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: S0415-B2D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DG307

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/15/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/18/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 3.88 | 91 | J |
| 2. 112-34-5 | ETHANOL, 2-(2-BUTOXYETHOXY)- | 4.75 | 73 | NJ |
| 3. | | | | |
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# SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

GC Column(1):DB5 ID:0.53(mm) GC Column(2):DB35 ID:0.53(mm)

| | EPA SAMPLE NO. | TCX 1 %REC # | TCX 2 %REC # | DCB 1 %REC # | DCB 2 %REC # | OTHER (1) | OTHER (2) | TOT OUT |
|---|---|---|---|---|---|---|---|---|
| 01 | PBLK01 | 58 | 62 | 85 | 85 | | | 0 |
| 02 | E0001 | 55 | 55 | 85 | 90 | | | 0 |
| 03 | E0001MS | 35 | 36 | 60 | 75 | | | 0 |
| 04 | E0001MSD | 38 | 40 | 50 | 55 | | | 0 |
| 05 | E0002 | 41 | 45 | 59 | 69 | | | 0 |
| 06 | E0002DL | 45 | 48 | 48 | 103 | | | 0 |
| 07 | E0003 | 63 | 63 | 71 | 92 | | | 0 |
| 08 | E0004 | 74 | 84 | 111 | 116 | | | 0 |
| 09 | E0005 | 78 | 78 | 94 | 106 | | | 0 |
| 10 | E0006 | 63 | 63 | 79 | 95 | | | 0 |
| 11 | E0007 | 74 | 68 | 95 | 116 | | | 0 |
| 12 | E0008 | 60 | 60 | 80 | 105 | | | 0 |
| 13 | E0009 | 53 | 56 | 81 | 100 | | | 0 |
| 14 | E0010 | 50 | 55 | 59 | 82 | | | 0 |
| 15 | E0011 | 44 | 45 | 75 | 88 | | | 0 |
| 16 | E0012 | 46 | 49 | 72 | 83 | | | 0 |
| 17 | E0013 | 58 | 58 | 68 | 79 | | | 0 |
| 18 | E0014 | 72 | 72 | 83 | 100 | | | 0 |
| 19 | | | | | | | | |
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| 30 | | | | | | | | |

| | | QC LIMITS |
|---|---|---|
| S1 (TCX) | = Tetrachloro-m-xylene | (30-150) |
| S2 (DCB) | = Decachlorobiphenyl | (30-150) |

# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

# SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix Spike - EPA Sample No.: E0001

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 25 | 0.00 | 11 | 44* | 46-127 |
| Heptachlor | 25 | 0.00 | 12 | 48 | 35-130 |
| Aldrin | 25 | 0.00 | 10 | 40 | 34-132 |
| Dieldrin | 50 | 0.00 | 27 | 54 | 31-134 |
| Endrin | 50 | 0.00 | 31 | 62 | 42-139 |
| 4,4'-DDT | 50 | 0.00 | 26 | 52 | 23-134 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 25 | 11 | 44* | 0 | 50 | 46-127 |
| Heptachlor | 25 | 12 | 48 | 0 | 31 | 35-130 |
| Aldrin | 25 | 9.6 | 38 | 5 | 43 | 34-132 |
| Dieldrin | 50 | 26 | 52 | 4 | 38 | 31-134 |
| Endrin | 50 | 30 | 60 | 3 | 45 | 42-139 |
| 4,4'-DDT | 50 | 26 | 52 | 0 | 50 | 23-134 |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

COMMENTS: _____

EPA SAMPLE NO.

# PESTICIDE METHOD BLANK SUMMARY

PBLK01

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0001

Lab Sample ID: P0415-B1  Lab File ID: _____

Matrix (soil/water) SOIL  Extraction:(Type) SONC

Sulfur Cleanup (Y/N) N  Date Extracted: 04/15/03

Date Analyzed (1): 04/18/03  Date Analyzed (2): 04/18/03

Time Analyzed (1): 1320  Time Analyzed (2): 1320

Instrument ID (1): GC8  Instrument ID (2): GC8

GC Column (1): DB5  ID: 0.53(mm)  GC Column (2): DB35  ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| 01 | E0001 | 030391-01 | 04/18/03 | 04/18/03 |
| 02 | E0001MS | 030391-01MS | 04/18/03 | 04/18/03 |
| 03 | E0001MSD | 030391-01MSD | 04/18/03 | 04/18/03 |
| 04 | E0002 | 030391-02 | 04/18/03 | 04/18/03 |
| 05 | E0002DL | 030391-02DL | 04/18/03 | 04/18/03 |
| 06 | E0003 | 030391-03 | 04/18/03 | 04/18/03 |
| 07 | E0004 | 030391-04 | 04/18/03 | 04/18/03 |
| 08 | E0005 | 030391-05 | 04/18/03 | 04/18/03 |
| 09 | E0006 | 030391-06 | 04/18/03 | 04/18/03 |
| 10 | E0007 | 030391-07 | 04/18/03 | 04/18/03 |
| 11 | E0008 | 030391-08 | 04/18/03 | 04/18/03 |
| 12 | E0009 | 030391-09 | 04/18/03 | 04/18/03 |
| 13 | E0010 | 030391-10 | 04/19/03 | 04/19/03 |
| 14 | E0011 | 030391-11 | 04/19/03 | 04/19/03 |
| 15 | E0012 | 030391-12 | 04/19/03 | 04/19/03 |
| 16 | E0013 | 030391-13 | 04/19/03 | 04/19/03 |
| 17 | E0014 | 030391-14 | 04/19/03 | 04/19/03 |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| 26 | | | | |

COMMENTS: _____

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0001

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0001

Matrix: (soil/water) SOIL  Lab Sample ID: 030391-01

Sample wt/vol: 30.4(g/mL) G  Lab File ID: _____

% Moisture: 33 Decanted: (Y/N) N  Date Received: 04/12/03

Extraction: (Type) SONC  Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL)  Date Analyzed: 04/18/03

Injection Volume: 1.0(uL)  Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y  pH: 7.4  Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.5 | U |
| 319-85-7 | beta-BHC | 2.5 | U |
| 319-86-8 | delta-BHC | 2.5 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.5 | U |
| 76-44-8 | Heptachlor | 2.5 | U |
| 309-00-2 | Aldrin | 2.5 | U |
| 1024-57-3 | Heptachlor epoxide | 2.5 | U |
| 959-98-8 | Endosulfan I | 2.5 | U |
| 60-57-1 | Dieldrin | 4.9 | U |
| 72-55-9 | 4,4'-DDE | 4.9 | U |
| 72-20-8 | Endrin | 4.9 | U |
| 33213-65-9 | Endosulfan II | 4.9 | U |
| 72-54-8 | 4,4'-DDD | 4.9 | U |
| 1031-07-8 | Endosulfan sulfate | 4.9 | U |
| 50-29-3 | 4,4'-DDT | 4.9 | U |
| 72-43-5 | Methoxychlor | 25 | U |
| 53494-70-5 | Endrin ketone | 4.9 | U |
| 7421-93-4 | Endrin aldehyde | 4.9 | U |
| 5103-71-9 | alpha-Chlordane | 2.5 | U |
| 5103-74-2 | gamma-Chlordane | 2.5 | U |
| 8001-35-2 | Toxaphene | 250 | U |
| 12674-11-2 | Aroclor-1016 | 49 | U |
| 11104-28-2 | Aroclor-1221 | 99 | U |
| 11141-16-5 | Aroclor-1232 | 49 | U |
| 53469-21-9 | Aroclor-1242 | 49 | U |
| 12672-29-6 | Aroclor-1248 | 49 | U |
| 11097-69-1 | Aroclor-1254 | 49 | U |
| 11096-82-5 | Aroclor-1260 | 49 | U |

1E

EPA SAMPLE NO.

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0001MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MS

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

% Moisture: 33 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.5 | U |
| 319-85-7 | beta-BHC | 2.5 | U |
| 319-86-8 | delta-BHC | 2.5 | U |
| 58-89-9 | gamma-BHC (Lindane) | 11 | |
| 76-44-8 | Heptachlor | 12 | |
| 309-00-2 | Aldrin | 10 | |
| 1024-57-3 | Heptachlor epoxide | 2.5 | U |
| 959-98-8 | Endosulfan I | 2.5 | U |
| 60-57-1 | Dieldrin | 27 | |
| 72-55-9 | 4,4'-DDE | 4.9 | U |
| 72-20-8 | Endrin | 31 | |
| 33213-65-9 | Endosulfan II | 4.9 | U |
| 72-54-8 | 4,4'-DDD | 4.9 | U |
| 1031-07-8 | Endosulfan sulfate | 4.9 | U |
| 50-29-3 | 4,4'-DDT | 26 | |
| 72-43-5 | Methoxychlor | 25 | U |
| 53494-70-5 | Endrin ketone | 4.9 | U |
| 7421-93-4 | Endrin aldehyde | 4.9 | U |
| 5103-71-9 | alpha-Chlordane | 2.5 | U |
| 5103-74-2 | gamma-Chlordane | 2.5 | U |
| 8001-35-2 | Toxaphene | 250 | U |
| 12674-11-2 | Aroclor-1016 | 49 | U |
| 11104-28-2 | Aroclor-1221 | 100 | U |
| 11141-16-5 | Aroclor-1232 | 49 | U |
| 53469-21-9 | Aroclor-1242 | 49 | U |
| 12672-29-6 | Aroclor-1248 | 49 | U |
| 11097-69-1 | Aroclor-1254 | 49 | U |
| 11096-82-5 | Aroclor-1260 | 49 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0001MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-01MSD

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

% Moisture: 33 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.5 | U |
| 319-85-7 | beta-BHC | 2.5 | U |
| 319-86-8 | delta-BHC | 2.5 | U |
| 58-89-9 | gamma-BHC (Lindane) | 11 | |
| 76-44-8 | Heptachlor | 12 | |
| 309-00-2 | Aldrin | 9.6 | |
| 1024-57-3 | Heptachlor epoxide | 2.5 | U |
| 959-98-8 | Endosulfan I | 2.5 | U |
| 60-57-1 | Dieldrin | 26 | |
| 72-55-9 | 4,4'-DDE | 4.9 | U |
| 72-20-8 | Endrin | 30 | |
| 33213-65-9 | Endosulfan II | 4.9 | U |
| 72-54-8 | 4,4'-DDD | 4.9 | U |
| 1031-07-8 | Endosulfan sulfate | 4.9 | U |
| 50-29-3 | 4,4'-DDT | 26 | |
| 72-43-5 | Methoxychlor | 25 | U |
| 53494-70-5 | Endrin ketone | 4.9 | U |
| 7421-93-4 | Endrin aldehyde | 4.9 | U |
| 5103-71-9 | alpha-Chlordane | 2.5 | U |
| 5103-74-2 | gamma-Chlordane | 2.5 | U |
| 8001-35-2 | Toxaphene | 250 | U |
| 12674-11-2 | Aroclor-1016 | 49 | U |
| 11104-28-2 | Aroclor-1221 | 100 | U |
| 11141-16-5 | Aroclor-1232 | 49 | U |
| 53469-21-9 | Aroclor-1242 | 49 | U |
| 12672-29-6 | Aroclor-1248 | 49 | U |
| 11097-69-1 | Aroclor-1254 | 49 | U |
| 11096-82-5 | Aroclor-1260 | 49 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0002

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-02

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

% Moisture: 54 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 3.7 | U |
| 319-85-7 | beta-BHC | 3.7 | U |
| 319-86-8 | delta-BHC | 3.7 | U |
| 58-89-9 | gamma-BHC (Lindane) | 3.7 | U |
| 76-44-8 | Heptachlor | 3.7 | U |
| 309-00-2 | Aldrin | 3.7 | U |
| 1024-57-3 | Heptachlor epoxide | 3.7 | U |
| 959-98-8 | Endosulfan I | 3.7 | U |
| 60-57-1 | Dieldrin | 7.2 | U |
| 72-55-9 | 4,4'-DDE | 160 | E |
| 72-20-8 | Endrin | 7.2 | U |
| 33213-65-9 | Endosulfan II | 7.2 | U |
| 72-54-8 | 4,4'-DDD | 32 | |
| 1031-07-8 | Endosulfan sulfate | 7.2 | U |
| 50-29-3 | 4,4'-DDT | 21 | |
| 72-43-5 | Methoxychlor | 37 | U |
| 53494-70-5 | Endrin ketone | 7.2 | U |
| 7421-93-4 | Endrin aldehyde | 7.2 | U |
| 5103-71-9 | alpha-Chlordane | 3.7 | U |
| 5103-74-2 | gamma-Chlordane | 3.7 | U |
| 8001-35-2 | Toxaphene | 370 | U |
| 12674-11-2 | Aroclor-1016 | 72 | U |
| 11104-28-2 | Aroclor-1221 | 150 | U |
| 11141-16-5 | Aroclor-1232 | 72 | U |
| 53469-21-9 | Aroclor-1242 | 72 | U |
| 12672-29-6 | Aroclor-1248 | 72 | U |
| 11097-69-1 | Aroclor-1254 | 72 | U |
| 11096-82-5 | Aroclor-1260 | 72 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0002DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-02DL

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

% Moisture: 54 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 18 | U |
| 319-85-7 | beta-BHC | 18 | U |
| 319-86-8 | delta-BHC | 18 | U |
| 58-89-9 | gamma-BHC (Lindane) | 18 | U |
| 76-44-8 | Heptachlor | 18 | U |
| 309-00-2 | Aldrin | 18 | U |
| 1024-57-3 | Heptachlor epoxide | 18 | U |
| 959-98-8 | Endosulfan I | 18 | U |
| 60-57-1 | Dieldrin | 36 | U |
| 72-55-9 | 4,4'-DDE | 150 | D |
| 72-20-8 | Endrin | 36 | U |
| 33213-65-9 | Endosulfan II | 36 | U |
| 72-54-8 | 4,4'-DDD | 36 | U |
| 1031-07-8 | Endosulfan sulfate | 36 | U |
| 50-29-3 | 4,4'-DDT | 36 | U |
| 72-43-5 | Methoxychlor | 180 | U |
| 53494-70-5 | Endrin ketone | 36 | U |
| 7421-93-4 | Endrin aldehyde | 36 | U |
| 5103-71-9 | alpha-Chlordane | 18 | U |
| 5103-74-2 | gamma-Chlordane | 18 | U |
| 8001-35-2 | Toxaphene | 1800 | U |
| 12674-11-2 | Aroclor-1016 | 360 | U |
| 11104-28-2 | Aroclor-1221 | 730 | U |
| 11141-16-5 | Aroclor-1232 | 360 | U |
| 53469-21-9 | Aroclor-1242 | 360 | U |
| 12672-29-6 | Aroclor-1248 | 360 | U |
| 11097-69-1 | Aroclor-1254 | 360 | U |
| 11096-82-5 | Aroclor-1260 | 360 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0003

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-03

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 46 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 3.1 | U |
| 319-85-7 | beta-BHC | 3.1 | U |
| 319-86-8 | delta-BHC | 3.1 | U |
| 58-89-9 | gamma-BHC (Lindane) | 3.1 | U |
| 76-44-8 | Heptachlor | 3.1 | U |
| 309-00-2 | Aldrin | 3.1 | U |
| 1024-57-3 | Heptachlor epoxide | 3.1 | U |
| 959-98-8 | Endosulfan I | 3.1 | U |
| 60-57-1 | Dieldrin | 6.1 | U |
| 72-55-9 | 4,4'-DDE | 77 | |
| 72-20-8 | Endrin | 6.1 | U |
| 33213-65-9 | Endosulfan II | 6.1 | U |
| 72-54-8 | 4,4'-DDD | 28 | |
| 1031-07-8 | Endosulfan sulfate | 6.1 | U |
| 50-29-3 | 4,4'-DDT | 18 | |
| 72-43-5 | Methoxychlor | 31 | U |
| 53494-70-5 | Endrin ketone | 6.1 | U |
| 7421-93-4 | Endrin aldehyde | 6.1 | U |
| 5103-71-9 | alpha-Chlordane | 3.1 | U |
| 5103-74-2 | gamma-Chlordane | 3.1 | U |
| 8001-35-2 | Toxaphene | 310 | U |
| 12674-11-2 | Aroclor-1016 | 61 | U |
| 11104-28-2 | Aroclor-1221 | 120 | U |
| 11141-16-5 | Aroclor-1232 | 61 | U |
| 53469-21-9 | Aroclor-1242 | 61 | U |
| 12672-29-6 | Aroclor-1248 | 61 | U |
| 11097-69-1 | Aroclor-1254 | 61 | U |
| 11096-82-5 | Aroclor-1260 | 61 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0004

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0001

Matrix: (soil/water) SOIL  Lab Sample ID: 030391-04

Sample wt/vol: 30.3(g/mL) G  Lab File ID: _____

% Moisture: 29  Decanted: (Y/N) N  Date Received: 04/12/03

Extraction: (Type) SONC  Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL)  Date Analyzed: 04/18/03

Injection Volume: 1.0(uL)  Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y  pH: 7.9  Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.4 | U |
| 319-85-7 | beta-BHC | 2.4 | U |
| 319-86-8 | delta-BHC | 2.4 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.4 | U |
| 76-44-8 | Heptachlor | 2.4 | U |
| 309-00-2 | Aldrin | 2.4 | U |
| 1024-57-3 | Heptachlor epoxide | 2.4 | U |
| 959-98-8 | Endosulfan I | 2.4 | U |
| 60-57-1 | Dieldrin | 4.6 | U |
| 72-55-9 | 4,4'-DDE | 4.6 | U |
| 72-20-8 | Endrin | 4.6 | U |
| 33213-65-9 | Endosulfan II | 4.6 | U |
| 72-54-8 | 4,4'-DDD | 4.6 | U |
| 1031-07-8 | Endosulfan sulfate | 4.6 | U |
| 50-29-3 | 4,4'-DDT | 4.6 | U |
| 72-43-5 | Methoxychlor | 24 | U |
| 53494-70-5 | Endrin ketone | 4.6 | U |
| 7421-93-4 | Endrin aldehyde | 4.6 | U |
| 5103-71-9 | alpha-Chlordane | 2.4 | U |
| 5103-74-2 | gamma-Chlordane | 2.4 | U |
| 8001-35-2 | Toxaphene | 240 | U |
| 12674-11-2 | Aroclor-1016 | 46 | U |
| 11104-28-2 | Aroclor-1221 | 93 | U |
| 11141-16-5 | Aroclor-1232 | 46 | U |
| 53469-21-9 | Aroclor-1242 | 46 | U |
| 12672-29-6 | Aroclor-1248 | 46 | U |
| 11097-69-1 | Aroclor-1254 | 46 | U |
| 11096-82-5 | Aroclor-1260 | 46 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0005

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-05

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 27 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.3 | U |
| 319-85-7 | beta-BHC | 2.3 | U |
| 319-86-8 | delta-BHC | 2.3 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.3 | U |
| 76-44-8 | Heptachlor | 2.3 | U |
| 309-00-2 | Aldrin | 2.3 | U |
| 1024-57-3 | Heptachlor epoxide | 2.3 | U |
| 959-98-8 | Endosulfan I | 2.3 | U |
| 60-57-1 | Dieldrin | 4.5 | U |
| 72-55-9 | 4,4'-DDE | 4.5 | U |
| 72-20-8 | Endrin | 4.5 | U |
| 33213-65-9 | Endosulfan II | 4.5 | U |
| 72-54-8 | 4,4'-DDD | 4.5 | U |
| 1031-07-8 | Endosulfan sulfate | 4.5 | U |
| 50-29-3 | 4,4'-DDT | 4.5 | U |
| 72-43-5 | Methoxychlor | 23 | U |
| 53494-70-5 | Endrin ketone | 4.5 | U |
| 7421-93-4 | Endrin aldehyde | 4.5 | U |
| 5103-71-9 | alpha-Chlordane | 2.3 | U |
| 5103-74-2 | gamma-Chlordane | 2.3 | U |
| 8001-35-2 | Toxaphene | 230 | U |
| 12674-11-2 | Aroclor-1016 | 45 | U |
| 11104-28-2 | Aroclor-1221 | 91 | U |
| 11141-16-5 | Aroclor-1232 | 45 | U |
| 53469-21-9 | Aroclor-1242 | 45 | U |
| 12672-29-6 | Aroclor-1248 | 45 | U |
| 11097-69-1 | Aroclor-1254 | 45 | U |
| 11096-82-5 | Aroclor-1260 | 45 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0006

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-06

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

% Moisture: 28 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.4 | U |
| 319-85-7 | beta-BHC | 2.4 | U |
| 319-86-8 | delta-BHC | 2.4 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.4 | U |
| 76-44-8 | Heptachlor | 2.4 | U |
| 309-00-2 | Aldrin | 2.4 | U |
| 1024-57-3 | Heptachlor epoxide | 2.4 | U |
| 959-98-8 | Endosulfan I | 2.4 | U |
| 60-57-1 | Dieldrin | 4.6 | U |
| 72-55-9 | 4,4'-DDE | 4.6 | U |
| 72-20-8 | Endrin | 4.6 | U |
| 33213-65-9 | Endosulfan II | 4.6 | U |
| 72-54-8 | 4,4'-DDD | 4.6 | U |
| 1031-07-8 | Endosulfan sulfate | 4.6 | U |
| 50-29-3 | 4,4'-DDT | 4.6 | U |
| 72-43-5 | Methoxychlor | 24 | U |
| 53494-70-5 | Endrin ketone | 4.6 | U |
| 7421-93-4 | Endrin aldehyde | 4.6 | U |
| 5103-71-9 | alpha-Chlordane | 2.4 | U |
| 5103-74-2 | gamma-Chlordane | 2.4 | U |
| 8001-35-2 | Toxaphene | 240 | U |
| 12674-11-2 | Aroclor-1016 | 46 | U |
| 11104-28-2 | Aroclor-1221 | 93 | U |
| 11141-16-5 | Aroclor-1232 | 46 | U |
| 53469-21-9 | Aroclor-1242 | 46 | U |
| 12672-29-6 | Aroclor-1248 | 46 | U |
| 11097-69-1 | Aroclor-1254 | 46 | U |
| 11096-82-5 | Aroclor-1260 | 46 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0007

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-07

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 30 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.4 | U |
| 319-85-7 | beta-BHC | 2.4 | U |
| 319-86-8 | delta-BHC | 2.4 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.4 | U |
| 76-44-8 | Heptachlor | 2.4 | U |
| 309-00-2 | Aldrin | 2.4 | U |
| 1024-57-3 | Heptachlor epoxide | 2.4 | U |
| 959-98-8 | Endosulfan I | 2.4 | U |
| 60-57-1 | Dieldrin | 4.7 | U |
| 72-55-9 | 4,4'-DDE | 4.7 | U |
| 72-20-8 | Endrin | 4.7 | U |
| 33213-65-9 | Endosulfan II | 4.7 | U |
| 72-54-8 | 4,4'-DDD | 4.7 | U |
| 1031-07-8 | Endosulfan sulfate | 4.7 | U |
| 50-29-3 | 4,4'-DDT | 4.7 | U |
| 72-43-5 | Methoxychlor | 24 | U |
| 53494-70-5 | Endrin ketone | 4.7 | U |
| 7421-93-4 | Endrin aldehyde | 4.7 | U |
| 5103-71-9 | alpha-Chlordane | 2.4 | U |
| 5103-74-2 | gamma-Chlordane | 2.4 | U |
| 8001-35-2 | Toxaphene | 240 | U |
| 12674-11-2 | Aroclor-1016 | 47 | U |
| 11104-28-2 | Aroclor-1221 | 95 | U |
| 11141-16-5 | Aroclor-1232 | 47 | U |
| 53469-21-9 | Aroclor-1242 | 47 | U |
| 12672-29-6 | Aroclor-1248 | 47 | U |
| 11097-69-1 | Aroclor-1254 | 47 | U |
| 11096-82-5 | Aroclor-1260 | 47 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0008

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0001

Matrix: (soil/water) SOIL  Lab Sample ID: 030391-08

Sample wt/vol: 30.3(g/mL) G  Lab File ID: _____

% Moisture: 33 Decanted: (Y/N) N  Date Received: 04/12/03

Extraction: (Type) SONC  Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL)  Date Analyzed: 04/18/03

Injection Volume: 1.0(uL)  Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y  pH: 7.1  Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.5 | U |
| 319-85-7 | beta-BHC | 2.5 | U |
| 319-86-8 | delta-BHC | 2.5 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.5 | U |
| 76-44-8 | Heptachlor | 2.5 | U |
| 309-00-2 | Aldrin | 2.5 | U |
| 1024-57-3 | Heptachlor epoxide | 2.5 | U |
| 959-98-8 | Endosulfan I | 2.5 | U |
| 60-57-1 | Dieldrin | 4.9 | U |
| 72-55-9 | 4,4'-DDE | 4.9 | U |
| 72-20-8 | Endrin | 4.9 | U |
| 33213-65-9 | Endosulfan II | 4.9 | U |
| 72-54-8 | 4,4'-DDD | 4.9 | U |
| 1031-07-8 | Endosulfan sulfate | 4.9 | U |
| 50-29-3 | 4,4'-DDT | 4.9 | U |
| 72-43-5 | Methoxychlor | 25 | U |
| 53494-70-5 | Endrin ketone | 4.9 | U |
| 7421-93-4 | Endrin aldehyde | 4.9 | U |
| 5103-71-9 | alpha-Chlordane | 2.5 | U |
| 5103-74-2 | gamma-Chlordane | 2.5 | U |
| 8001-35-2 | Toxaphene | 250 | U |
| 12674-11-2 | Aroclor-1016 | 49 | U |
| 11104-28-2 | Aroclor-1221 | 99 | U |
| 11141-16-5 | Aroclor-1232 | 49 | U |
| 53469-21-9 | Aroclor-1242 | 49 | U |
| 12672-29-6 | Aroclor-1248 | 49 | U |
| 11097-69-1 | Aroclor-1254 | 49 | U |
| 11096-82-5 | Aroclor-1260 | 49 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0009

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-09

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

% Moisture: 17 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.0 | U |
| 319-85-7 | beta-BHC | 2.0 | U |
| 319-86-8 | delta-BHC | 2.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.0 | U |
| 76-44-8 | Heptachlor | 2.0 | U |
| 309-00-2 | Aldrin | 2.0 | U |
| 1024-57-3 | Heptachlor epoxide | 2.0 | U |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 4.0 | U |
| 72-55-9 | 4,4'-DDE | 4.0 | U |
| 72-20-8 | Endrin | 4.0 | U |
| 33213-65-9 | Endosulfan II | 4.0 | U |
| 72-54-8 | 4,4'-DDD | 4.0 | U |
| 1031-07-8 | Endosulfan sulfate | 4.0 | U |
| 50-29-3 | 4,4'-DDT | 4.0 | U |
| 72-43-5 | Methoxychlor | 20 | U |
| 53494-70-5 | Endrin ketone | 4.0 | U |
| 7421-93-4 | Endrin aldehyde | 4.0 | U |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 2.0 | U |
| 8001-35-2 | Toxaphene | 200 | U |
| 12674-11-2 | Aroclor-1016 | 40 | U |
| 11104-28-2 | Aroclor-1221 | 80 | U |
| 11141-16-5 | Aroclor-1232 | 40 | U |
| 53469-21-9 | Aroclor-1242 | 40 | U |
| 12672-29-6 | Aroclor-1248 | 40 | U |
| 11097-69-1 | Aroclor-1254 | 40 | U |
| 11096-82-5 | Aroclor-1260 | 40 | U |

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0010

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-10

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 40 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/19/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.8 | U |
| 319-85-7 | beta-BHC | 2.8 | U |
| 319-86-8 | delta-BHC | 2.8 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.8 | U |
| 76-44-8 | Heptachlor | 2.8 | U |
| 309-00-2 | Aldrin | 2.8 | U |
| 1024-57-3 | Heptachlor epoxide | 2.8 | U |
| 959-98-8 | Endosulfan I | 2.8 | U |
| 60-57-1 | Dieldrin | 5.4 | U |
| 72-55-9 | 4,4'-DDE | 5.4 | U |
| 72-20-8 | Endrin | 5.4 | U |
| 33213-65-9 | Endosulfan II | 5.4 | U |
| 72-54-8 | 4,4'-DDD | 5.4 | U |
| 1031-07-8 | Endosulfan sulfate | 5.4 | U |
| 50-29-3 | 4,4'-DDT | 5.4 | U |
| 72-43-5 | Methoxychlor | 28 | U |
| 53494-70-5 | Endrin ketone | 5.4 | U |
| 7421-93-4 | Endrin aldehyde | 5.4 | U |
| 5103-71-9 | alpha-Chlordane | 2.8 | U |
| 5103-74-2 | gamma-Chlordane | 2.8 | U |
| 8001-35-2 | Toxaphene | 280 | U |
| 12674-11-2 | Aroclor-1016 | 54 | U |
| 11104-28-2 | Aroclor-1221 | 110 | U |
| 11141-16-5 | Aroclor-1232 | 54 | U |
| 53469-21-9 | Aroclor-1242 | 54 | U |
| 12672-29-6 | Aroclor-1248 | 54 | U |
| 11097-69-1 | Aroclor-1254 | 54 | U |
| 11096-82-5 | Aroclor-1260 | 54 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0011

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0001

Matrix: (soil/water) SOIL  Lab Sample ID: 030391-11

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

% Moisture: 17 Decanted: (Y/N) N  Date Received: 04/12/03

Extraction: (Type) SONC  Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL)  Date Analyzed: 04/19/03

Injection Volume: 1.0(uL)  Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y  pH: 7.5  Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.0 | U |
| 319-85-7 | beta-BHC | 2.0 | U |
| 319-86-8 | delta-BHC | 2.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.0 | U |
| 76-44-8 | Heptachlor | 2.0 | U |
| 309-00-2 | Aldrin | 2.0 | U |
| 1024-57-3 | Heptachlor epoxide | 2.0 | U |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 4.0 | U |
| 72-55-9 | 4,4'-DDE | 4.0 | U |
| 72-20-8 | Endrin | 4.0 | U |
| 33213-65-9 | Endosulfan II | 4.0 | U |
| 72-54-8 | 4,4'-DDD | 4.0 | U |
| 1031-07-8 | Endosulfan sulfate | 4.0 | U |
| 50-29-3 | 4,4'-DDT | 4.0 | U |
| 72-43-5 | Methoxychlor | 20 | U |
| 53494-70-5 | Endrin ketone | 4.0 | U |
| 7421-93-4 | Endrin aldehyde | 4.0 | U |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 2.0 | U |
| 8001-35-2 | Toxaphene | 200 | U |
| 12674-11-2 | Aroclor-1016 | 40 | U |
| 11104-28-2 | Aroclor-1221 | 80 | U |
| 11141-16-5 | Aroclor-1232 | 40 | U |
| 53469-21-9 | Aroclor-1242 | 40 | U |
| 12672-29-6 | Aroclor-1248 | 40 | U |
| 11097-69-1 | Aroclor-1254 | 40 | U |
| 11096-82-5 | Aroclor-1260 | 40 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0012

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0001

Matrix: (soil/water) SOIL  Lab Sample ID: 030391-12

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

% Moisture: 26 Decanted: (Y/N) N  Date Received: 04/12/03

Extraction: (Type) SONC  Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL)  Date Analyzed: 04/19/03

Injection Volume: 1.0(uL)  Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y  pH: 7.7  Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.3 | U |
| 319-85-7 | beta-BHC | 2.3 | U |
| 319-86-8 | delta-BHC | 2.3 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.3 | U |
| 76-44-8 | Heptachlor | 2.3 | U |
| 309-00-2 | Aldrin | 2.3 | U |
| 1024-57-3 | Heptachlor epoxide | 2.3 | U |
| 959-98-8 | Endosulfan I | 2.3 | U |
| 60-57-1 | Dieldrin | 4.5 | U |
| 72-55-9 | 4,4'-DDE | 4.5 | U |
| 72-20-8 | Endrin | 4.5 | U |
| 33213-65-9 | Endosulfan II | 4.5 | U |
| 72-54-8 | 4,4'-DDD | 4.5 | U |
| 1031-07-8 | Endosulfan sulfate | 4.5 | U |
| 50-29-3 | 4,4'-DDT | 4.5 | U |
| 72-43-5 | Methoxychlor | 23 | U |
| 53494-70-5 | Endrin ketone | 4.5 | U |
| 7421-93-4 | Endrin aldehyde | 4.5 | U |
| 5103-71-9 | alpha-Chlordane | 2.3 | U |
| 5103-74-2 | gamma-Chlordane | 2.3 | U |
| 8001-35-2 | Toxaphene | 230 | U |
| 12674-11-2 | Aroclor-1016 | 45 | U |
| 11104-28-2 | Aroclor-1221 | 91 | U |
| 11141-16-5 | Aroclor-1232 | 45 | U |
| 53469-21-9 | Aroclor-1242 | 45 | U |
| 12672-29-6 | Aroclor-1248 | 45 | U |
| 11097-69-1 | Aroclor-1254 | 45 | U |
| 11096-82-5 | Aroclor-1260 | 45 | U |

1E

EPA SAMPLE NO.

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0013

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-13

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 29 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/19/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.4 | U |
| 319-85-7 | beta-BHC | 2.4 | U |
| 319-86-8 | delta-BHC | 2.4 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.4 | U |
| 76-44-8 | Heptachlor | 2.4 | U |
| 309-00-2 | Aldrin | 2.4 | U |
| 1024-57-3 | Heptachlor epoxide | 2.4 | U |
| 959-98-8 | Endosulfan I | 2.4 | U |
| 60-57-1 | Dieldrin | 4.6 | U |
| 72-55-9 | 4,4'-DDE | 4.6 | U |
| 72-20-8 | Endrin | 4.6 | U |
| 33213-65-9 | Endosulfan II | 4.6 | U |
| 72-54-8 | 4,4'-DDD | 4.6 | U |
| 1031-07-8 | Endosulfan sulfate | 4.6 | U |
| 50-29-3 | 4,4'-DDT | 4.6 | U |
| 72-43-5 | Methoxychlor | 24 | U |
| 53494-70-5 | Endrin ketone | 4.6 | U |
| 7421-93-4 | Endrin aldehyde | 4.6 | U |
| 5103-71-9 | alpha-Chlordane | 2.4 | U |
| 5103-74-2 | gamma-Chlordane | 2.4 | U |
| 8001-35-2 | Toxaphene | 240 | U |
| 12674-11-2 | Aroclor-1016 | 46 | U |
| 11104-28-2 | Aroclor-1221 | 93 | U |
| 11141-16-5 | Aroclor-1232 | 46 | U |
| 53469-21-9 | Aroclor-1242 | 46 | U |
| 12672-29-6 | Aroclor-1248 | 46 | U |
| 11097-69-1 | Aroclor-1254 | 46 | U |
| 11096-82-5 | Aroclor-1260 | 46 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0014

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: 030391-14

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

% Moisture: 28 Decanted: (Y/N) N Date Received: 04/12/03

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/19/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.3 | U |
| 319-85-7 | beta-BHC | 2.3 | U |
| 319-86-8 | delta-BHC | 2.3 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.3 | U |
| 76-44-8 | Heptachlor | 2.3 | U |
| 309-00-2 | Aldrin | 2.3 | U |
| 1024-57-3 | Heptachlor epoxide | 2.3 | U |
| 959-98-8 | Endosulfan I | 2.3 | U |
| 60-57-1 | Dieldrin | 4.6 | U |
| 72-55-9 | 4,4'-DDE | 4.6 | U |
| 72-20-8 | Endrin | 4.6 | U |
| 33213-65-9 | Endosulfan II | 4.6 | U |
| 72-54-8 | 4,4'-DDD | 4.6 | U |
| 1031-07-8 | Endosulfan sulfate | 4.6 | U |
| 50-29-3 | 4,4'-DDT | 4.6 | U |
| 72-43-5 | Methoxychlor | 23 | U |
| 53494-70-5 | Endrin ketone | 4.6 | U |
| 7421-93-4 | Endrin aldehyde | 4.6 | U |
| 5103-71-9 | alpha-Chlordane | 2.3 | U |
| 5103-74-2 | gamma-Chlordane | 2.3 | U |
| 8001-35-2 | Toxaphene | 230 | U |
| 12674-11-2 | Aroclor-1016 | 46 | U |
| 11104-28-2 | Aroclor-1221 | 92 | U |
| 11141-16-5 | Aroclor-1232 | 46 | U |
| 53469-21-9 | Aroclor-1242 | 46 | U |
| 12672-29-6 | Aroclor-1248 | 46 | U |
| 11097-69-1 | Aroclor-1254 | 46 | U |
| 11096-82-5 | Aroclor-1260 | 46 | U |

EPA SAMPLE NO.

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0001

Matrix: (soil/water) SOIL Lab Sample ID: P0415-B1

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

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 04/15/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/18/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 1.7 | U |
| 319-85-7 | beta-BHC | 1.7 | U |
| 319-86-8 | delta-BHC | 1.7 | U |
| 58-89-9 | gamma-BHC (Lindane) | 1.7 | U |
| 76-44-8 | Heptachlor | 1.7 | U |
| 309-00-2 | Aldrin | 1.7 | U |
| 1024-57-3 | Heptachlor epoxide | 1.7 | U |
| 959-98-8 | Endosulfan I | 1.7 | U |
| 60-57-1 | Dieldrin | 3.3 | U |
| 72-55-9 | 4,4'-DDE | 3.3 | U |
| 72-20-8 | Endrin | 3.3 | U |
| 33213-65-9 | Endosulfan II | 3.3 | U |
| 72-54-8 | 4,4'-DDD | 3.3 | U |
| 1031-07-8 | Endosulfan sulfate | 3.3 | U |
| 50-29-3 | 4,4'-DDT | 3.3 | U |
| 72-43-5 | Methoxychlor | 17 | U |
| 53494-70-5 | Endrin ketone | 3.3 | U |
| 7421-93-4 | Endrin aldehyde | 3.3 | U |
| 5103-71-9 | alpha-Chlordane | 1.7 | U |
| 5103-74-2 | gamma-Chlordane | 1.7 | U |
| 8001-35-2 | Toxaphene | 170 | U |
| 12674-11-2 | Aroclor-1016 | 33 | U |
| 11104-28-2 | Aroclor-1221 | 67 | U |
| 11141-16-5 | Aroclor-1232 | 33 | U |
| 53469-21-9 | Aroclor-1242 | 33 | U |
| 12672-29-6 | Aroclor-1248 | 33 | U |
| 11097-69-1 | Aroclor-1254 | 33 | U |
| 11096-82-5 | Aroclor-1260 | 33 | U |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0001 CERCLIS No: ILD984903286

Case No: 31584 Site Name/Location: MOT M. PALOS FOREST PRESERVE (ARGONNE)

Contractor of EPA Lab: CEIMIC Data User: IEPA

No. of Samples: 14 Date Sampled or Date Received: 4-30-03

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ____ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 14 No. of samples received: 14

Received by: Ena M. Dixon/ESAT Date: 4-30-03

Received by LSSS: Ena M. Dixon/ESAT Date: 4-30-03

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: Ena M Dixon/ESAT Date: 5-2-03

Mailed to user by: Ena M. Dixon/ESAT Date: 5-2-03

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

| | |
|---|---|
| Inorganic Data Complete | [ ] Suitable for Intended Purpose [ ] ✓ if OK |
| Organic Data Complete | [ ] Suitable for Intended Purpose [ ] ✓ if OK |
| Dioxin data Complete | [ ] Suitable for Intended Purpose [ ] ✓ if OK |
| SAS Data Complete | [ ] Suitable for Intended Purpose [ ] ✓ if OK |

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____

DATE: May 7, 2003

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Plot M. Palos Forest Preserve (Argonne)

| CASE NO. | LAB | NO. OF SAMPLES | SDG | MATRIX |
|---|---|---|---|---|
| 31584 | Bonner | 14 | ME0001 | Soil SEDIMENT |

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

RECEIVED
MAY 1 2 2003
IEPA-DCL-PORG

MAY 0 7 2003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: May 7, 2003

SUBJECT: Review of Data
Received for Review on May 6, 2003

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

The data in this case has not been validated.
We have compiled the CADRE files into a narrative format for the following case:

SITE NAME: Plot M. Palos Forest Preserve (Argonne)

CASE NUMBER: 31584 SDG NUMBER: ME0001

Number and Type of Samples: 14 soils

Sample Numbers: ME0001-14

Laboratory: Bonner Hrs. for Review: 2

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

Case Number : 31584
Site Name: Plot M. Palos Forest Preserve

SDG Number: ME0001
Laboratory: Bonner

**Below is a summary of the out-of-control audits and the possible effects on the data for this case:**

Fourteen soil samples numbered ME0001-14 were collected on April 8, 2003. The lab received the samples on April 14, 2003 in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using CLP SOW ILM04.1 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

Assembled By: ESAT
Date: May 7, 2003

Case Number : 31584
Site Name: Plot M. Palos Forest Preserve

SDG Number: ME0001
Laboratory: Bonner

## 1. HOLDING TIME:

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 4

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Holding Time** **Protocol: INORG**

DC-10 The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

**ME0001, ME0001D, ME0001S, ME0002, ME0003, ME0004, ME0005, ME0005D, ME0005S, ME0006, ME0006D, ME0006S, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014**

## 2. CALIBRATIONS:

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 1

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Calibrations** **Protocol: INORG**

No defects found.

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 2

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: CRDL/CRQL Standard** **Protocol: INORG**

No defects found.

## 3. BLANKS:

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 7

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Laboratory Blanks** **Protocol: INORG**

DC-2 The following inorganic samples are associated with initial or continuing calibration blanks which were not run in the required analytical frequency. Hits and non-detects are not flagged.

**Cyanide**

Assembled By: ESAT
Date: May 7, 2003

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

## 4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 9

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Matrix Spikes** **Protocol: INORG**

DC-3 The following inorganic samples are associated with a matrix spike recovery which was not within criteria and the required post digestion spike analysis was not performed. Hits and non-detects are not flagged. However, the information must be included in the IRDA report.

**Cadmium**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Selenium**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

DC-6 The following inorganic samples are associated with a matrix spike recovery which is extremely low, indicating that sample results may be biased low. Hits are qualified "J" and non-detects are qualified "R".

**Cadmium**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Selenium**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

Date 5/5/2003 Wincadre 3.1.3.2 Page: 8

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Laboratory Control Sample** **Protocol: INORG**

DC-6 The following inorganic soil samples are associated with a solid laboratory control sample (LCS) with analyte found amounts which are high, indicating a potential positive bias in the sample results. Hits are qualified "J".

**Antimony**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Silver**
ME0001, ME0004, ME0005, ME0007, ME0008, ME0009, ME0011, ME0012, ME0013, ME0014

Assembled By: ESAT
Date: May 7, 2003

Case Number : 31584
Site Name: Plot M. Palos Forest Preserve

SDG Number: ME0001
Laboratory: Bonner

## 5 LABORATORY AND FIELD DUPLICATE

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 3

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Duplicates** **Protocol: INORG**

DC-3 The following inorganic samples are associated with duplicate results which did not meet relative percent difference (RPD) primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

**Arsenic**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Chromium**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Lead**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Manganese**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

DC-4 The following inorganic samples are not qualified for duplicates due to missing information. Hits and non-detects are not flagged.

**Iron**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

DC-5 The following inorganic samples are associated with duplicate results which did not meet absolute difference (AD) primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

**Zinc**
ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

## 6. ICP ANALYSIS

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 5

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Interference Check Sample** **Protocol: INORG**

DC-6 The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 mg/L (ppm) that may cause potential interference. Use professional judgement to qualify sample data.

**ME0001**
Manganese, Potassium

Assembled By: ESAT
Date: May 7, 2003

Case Number : 31584
Site Name: Plot M. Palos Forest Preserve

SDG Number: ME0001
Laboratory: Bonner

**ME0002**
Potassium

**ME0003**
Potassium

**ME0004**
Manganese, Potassium

**ME0005**
Manganese, Potassium

**ME0006**
Potassium

**ME0007**
Manganese, Potassium

**ME0008**
Manganese, Potassium

**ME0009**
Manganese, Potassium

**ME0010**
Potassium

**ME0011**
Manganese, Potassium

**ME0012**
Manganese, Potassium

**ME0013**
Manganese, Potassium

**ME0014**
Manganese, Potassium

DC-10 The following inorganic samples have one or more interferents present at concentrations more than true amounts added in the ICSAB solution. Use Professional judgement to qualify sample data.

Assembled By: ESAT
Date: May 7, 2003

D 5/5/2003 Wincadre 3.1.3.2 Page: 6

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014**

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 10

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Sample Result Verification** **Protocol: INORG**

DC-2 The following inorganic samples have analyte concentrations which exceed the ICP linear range. Professional judgement must be used to qualify the data. Hits are not flagged.

**Iron**

ME0001, ME0004, ME0005, ME0006D, ME0007, ME0009, ME0011, ME0012, ME0013, ME0014

Date 5/5/2003 Wincadre 3.1.3.2 Page: 11

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**Qualification: Serial Dilution** **Protocol: INORG**

DC-3 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The detected serial dilution result is less than the initial sample result. Hits are qualified "J" and non-detects are qualified "UJ".

**Arsenic**

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Chromium**

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Lead**

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

DC-4 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits and non-detects are not flagged.

**Antimony**

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Iron**

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Sodium**

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

**Zinc**

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014

## 7. GFAA ANALYSIS

## 8. SAMPLE RESULTS

Date: 5/5/2003 Wincadre 3.1.3.2 Page: 12

Data Review Results

| | | | |
|---|---|---|---|
| Lab ID: BONNER | Case No.: 31584 | Method: ILM05 | Flag :NFGFLAG |
| File Name: ME0001 | SDG No.: ME0001 | Criteria: ILM05 | Defects: ILM5 |

**C ication: CADRE Reserved** **Protocol: INORG**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than detection limit.

**ME0001, ME0001D, ME0001S, ME0002, ME0003, ME0005, ME0005D, ME0006, ME0009, ME0010, ME0013, ME0014, PBS01**

All data, except those qualified above, are acceptable.

Assembled By: ESAT
Date: May 7, 2003

# ILM05.2 Data Qualifier Sheet

| Qualifiers | Data Qualifier Definitions |
|---|---|
| U | The analyte was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. |
| J+ | The result is an estimated quantity, but the result may be biased high. |
| J- | The result is an estimated quantity, but the result may be biased low. |
| R | The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample. |
| UJ | The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise. |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : ME0001
Site : ARGONNE PLOT M
Lab. : BONNER
Reviewer
Date :

Number of Soil Samples : 14
Number of Water Samples : 0

| Sample Number : | ME0001 | | ME0002 | | ME0003 | | ME0004 | | ME0005 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X214 | | X201 | | X202 | | X203 | | X204 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 17:35 | | 13:20 | | 13:40 | | 14:30 | | 14:50 | |
| %Solids : | 68.4 | | 54.7 | | 52.1 | | 68.8 | | 71.8 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 11200 | | 10100 | | 13100 | | 11200 | | 8240 | |
| ANTIMONY | 4.6 | J | 2.4 | J | 2.7 | J | 3.4 | J | 5.1 | J |
| ARSENIC | 147 | J | 18.5 | J | 28.9 | J | 13.2 | J | 15.5 | J |
| BARIUM | 174 | | 61.7 | | 80.8 | | 96.4 | | 134 | |
| BERYLLIUM | 0.86 | | 0.61 | | 0.76 | | 0.66 | | 0.78 | |
| CADMIUM | 0.86 | R | 1.4 | J | 6.4 | J | 0.080 | J | 1.3 | R |
| CALCIUM | 8110 | | 57900 | | 25200 | | 13800 | | 7600 | |
| CHROMIUM | 64.2 | J | 28.3 | J | 99.0 | J | 16.8 | J | 16.7 | J |
| COBALT | 28.7 | | 7.4 | | 10.0 | | 16.4 | | 22.1 | |
| COPPER | 29.2 | | 29.5 | | 49.7 | | 20.5 | | 25.3 | |
| IRON | 41300 | | 16700 | | 21800 | | 24100 | | 33700 | |
| LEAD | 69.7 | J | 36.9 | J | 59.0 | J | 27.3 | J | 26.9 | J |
| MAGNESIUM | 5930 | | 35200 | | 16400 | | 9840 | | 4760 | |
| MANGANESE | 1910 | J | 329 | J | 396 | J | 1310 | J | 1740 | J |
| MERCURY | 0.080 | | 0.15 | | 0.27 | | 0.11 | | 0.14 | U |
| NICKEL | 36.8 | | 23.4 | | 38.5 | | 28.6 | | 29.9 | |
| POTASSIUM | 2290 | | 3600 | | 3790 | | 2020 | | 1540 | |
| SELENIUM | 6.0 | R | 1.1 | J | 1.9 | J | 1.0 | J | 2.0 | J |
| SILVER | 0.24 | J | 2.7 | U | 2.8 | U | 0.15 | J | 0.14 | J |
| SODIUM | 54.6 | | 186 | | 206 | | 83.6 | | 143 | |
| THALLIUM | 4.4 | | 1.3 | | 1.9 | | 2.8 | | 3.9 | |
| VANADIUM | 30.0 | | 20.9 | | 25.5 | | 25.5 | | 27.9 | |
| ZINC | 10.4 | J | 136 | J | 220 | J | 65.5 | J | 83.0 | J |
| CYANIDE | 0.10 | | 0.10 | | 0.18 | | 0.080 | | 0.17 | |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : ME0001
Site : ARGONNE PLOT M
Lab. : BONNER
Reviewer :
Date :

| Sample Number : | ME0006 | | ME0007 | | ME0008 | | ME0009 | | ME0010 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X205 | | X206 | | X207 | | X208 | | X209 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 14:50 | | 15:40 | | 15:50 | | 16:05 | | 16:20 | |
| %Solids : | 69.1 | | 72.9 | | 60.1 | | 74.3 | | 54.4 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 7600 | | 8840 | | 10400 | | 7280 | | 8930 | |
| ANTIMONY | 2.9 | J | 2.8 | J | 3.4 | J | 4.4 | J | 2.8 | J |
| ARSENIC | 9.8 | J | 13.4 | J | 13.9 | J | 25.8 | J | 7.9 | J |
| BARIUM | 136 | | 104 | | 121 | | 83.4 | | 68.3 | |
| BERYLLIUM | 0.69 | | 0.63 | | 0.77 | | 0.60 | | 0.60 | |
| CADMIUM | 1.1 | R | 0.14 | J | 0.070 | J | 1.0 | R | 0.070 | J |
| CALCIUM | 7340 | | 19700 | | 7020 | | 33700 | | 10500 | |
| CHROMIUM | 16.0 | J | 13.6 | J | 18.1 | J | 13.7 | J | 15.1 | J |
| COBALT | 14.9 | | 20.3 | | 23.0 | | 16.2 | | 10.5 | |
| COPPER | 16.1 | | 20.5 | | 22.4 | | 22.2 | | 22.6 | |
| IRON | 18900 | | 22000 | | 23800 | | 31600 | | 17200 | |
| LEAD | 21.9 | J | 30.8 | J | 42.0 | J | 28.4 | J | 30.0 | J |
| MAGNESIUM | 4730 | | 12700 | | 5470 | | 21400 | | 6780 | |
| MANGANESE | 1090 | J | 1630 | J | 1780 | J | 1330 | J | 441 | J |
| MERCURY | 0.080 | | 0.070 | | 0.12 | | 0.080 | | 0.11 | |
| NICKEL | 21.5 | | 25.2 | | 25.9 | | 22.2 | | 21.0 | |
| POTASSIUM | 1510 | | 1700 | | 1960 | | 1870 | | 1990 | |
| SELENIUM | 1.3 | J | 1.8 | J | 0.99 | J | 2.3 | J | 0.75 | R |
| SILVER | 2.2 | U | 0.17 | J | 0.19 | J | 0.070 | J | 3.2 | U |
| SODIUM | 159 | | 54.4 | | 80.6 | | 85.4 | | 180 | |
| THALLIUM | 2.0 | | 3.4 | | 3.9 | | 2.4 | | 1.2 | |
| VANADIUM | 20.8 | | 21.5 | | 27.6 | | 23.2 | | 20.9 | |
| ZINC | 55.5 | J | 69.0 | J | 78.4 | J | 66.5 | J | 95.6 | J |
| CYANIDE | 0.15 | | 0.19 | | 0.22 | | 0.21 | | 0.13 | |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

## Analytical Results (Qualified Data)

Case #: 31584 SDG : ME0001
Site : ARGONNE PLOT M
Lab. : BONNER
Reviewer :
Date :

| Sample Number : | ME0011 | | ME0012 | | ME0013 | | ME0014 | | ME0001D | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X210 | | X211 | | X212 | | X213 | | X214 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 16:35 | | 16:55 | | 17:10 | | 17:20 | | 17:35 | |
| %Solids : | 75.3 | | 67.5 | | 71.5 | | 71.0 | | 65.8 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 7450 | | 10000 | | 8400 | | 8810 | | 11600 | |
| ANTIMONY | 3.7 | J | 2.9 | J | 3.8 | J | 3.3 | J | 3.6 | |
| ARSENIC | 18.8 | J | 15.9 | J | 15.9 | J | 15.8 | J | 13.1 | |
| BARIUM | 196 | | 156 | | 82.7 | | 133 | | 110 | |
| BERYLLIUM | 0.69 | | 0.75 | | 0.65 | | 0.88 | | 0.79 | |
| CADMIUM | 0.15 | J | 0.15 | J | 1.2 | R | 1.2 | R | 0.96 | U |
| CALCIUM | 26300 | | 17300 | | 19200 | | 4530 | | 9720 | |
| CHROMIUM | 14.8 | J | 16.4 | J | 15.6 | J | 16.6 | J | 18.4 | |
| COBALT | 27.7 | | 27.4 | | 20.2 | | 27.6 | | 21.9 | |
| COPPER | 22.6 | | 23.7 | | 19.8 | | 20.4 | | 21.4 | |
| IRON | 30100 | | 25000 | | 12500 | | 27400 | | 27100 | |
| LEAD | 28.5 | J | 33.8 | J | 35.8 | J | 34.4 | J | 34.2 | |
| MAGNESIUM | 16700 | | 11000 | | 11800 | | 3280 | | 7710 | |
| MANGANESE | 3050 | J | 2180 | J | 1340 | J | 1930 | J | 1200 | |
| MERCURY | 0.060 | | 0.090 | | 0.070 | | 0.080 | | 0.10 | |
| NICKEL | 38.6 | | 35.0 | | 26.0 | | 28.1 | | 29.3 | |
| POTASSIUM | 1950 | | 2230 | | 1820 | | 1680 | | 3630 | |
| SELENIUM | 1.5 | J | 2.2 | J | 1.4 | J | 2.2 | J | 1.3 | |
| SILVER | 0.35 | J | 0.21 | J | 0.10 | J | 0.15 | J | 0.14 | |
| SODIUM | 100 | | 82.8 | | 88.3 | | 97.2 | | 36.5 | |
| THALLIUM | 5.9 | | 4.2 | | 2.9 | | 4.0 | | 3.0 | |
| VANADIUM | 30.6 | | 25.5 | | 25.0 | | 29.2 | | 28.8 | |
| ZINC | 69.7 | J | 77.0 | J | 64.8 | J | 66.7 | J | 69.6 | |
| CYANIDE | 0.080 | | 0.26 | | 0.14 | | 0.17 | | 0.10 | |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : ME0001
Site : ARGONNE PLOT M
Lab. : BONNER
Reviewer :
ate

| Sample Number : | ME0001S | | ME0005D | | ME0005S | | ME0006D | | ME0006S | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X214 | | X204 | | X204 | | X205 | | X205 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| Date Sampled : | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | | 04/08/2003 | |
| Time Sampled : | 17:35 | | 14:50 | | 14:50 | | 14:50 | | 14:50 | |
| %Solids : | 65.8 | | 72.1 | | 72.1 | | 71.5 | | 71.5 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 12800 | | 10200 | | 10000 | | 10600 | | 9130 | |
| ANTIMONY | 12.0 | | 3.4 | | 8.2 | | 3.7 | | 7.8 | |
| ARSENIC | 198 | | 10.6 | | 16.4 | | 12.6 | | 18.1 | |
| BARIUM | 574 | | 67.8 | | 369 | | 127 | | 446 | |
| BERYLLIUM | 9.3 | | 0.99 | | 7.5 | | 0.86 | | 8.4 | |
| CADMIUM | 0.91 | U | 1.1 | U | 6.8 | | 0.090 | | 7.7 | |
| CALCIUM | 7190 | | 10700 | | 6900 | | 8210 | | 10700 | |
| CHROMIUM | 104 | | 20.0 | | 44.1 | | 17.6 | | 46.6 | |
| COBALT | 116 | | 14.5 | | 85.4 | | 30.2 | | 97.6 | |
| COPPER | 76.5 | | 20.1 | | 53.7 | | 22.2 | | 59.4 | |
| IRON | | | 26700 | | | | 27000 | | | |
| LEAD | 87.2 | | 24.1 | | 26.0 | | 28.1 | | 27.3 | |
| MAGNESIUM | 6230 | | 6160 | | 4020 | | 5190 | | 5800 | |
| MANGANESE | 2060 | | 913 | | 1250 | | 1960 | | 1620 | |
| MERCURY | 0.90 | | 0.070 | | 0.73 | | 0.10 | | 0.84 | |
| NICKEL | 127 | | 23.2 | | 92.3 | | 34.2 | | 102 | |
| POTASSIUM | 3720 | | 1600 | | 1560 | | 1900 | | 1590 | |
| SELENIUM | 6.4 | U | 1.4 | | 7.9 | | 2.0 | | 8.4 | |
| SILVER | 8.5 | | 2.2 | U | 6.8 | | 0.18 | | 7.8 | |
| SODIUM | 81.9 | | 337 | | 188 | | 178 | | 156 | |
| THALLIUM | 13.7 | | 1.9 | | 9.4 | | 3.9 | | 11.0 | |
| VANADIUM | 119 | | 28.4 | | 93.2 | | 27.8 | | 101 | |
| ZINC | 92.7 | | 72.5 | | 126 | | 77.0 | | 132 | |
| CYANIDE | 7.5 | | 0.13 | | 6.8 | | 0.19 | | 6.9 | |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

# USEPA Contract Laboratory Program
# Inorganic Traffic Report & Chain of Custody Record

Case No: 31584
DAS No:
SDG No: ME0001

L

| | | | |
|---|---|---|---|
| Date Shipped: ~~4/9/03~~ 4/11/03 | **Chain of Custody Record** | Sampler Signature: | **For Lab Use Only** |
| Carrier Name: UPS | Relinquished By (Date / Time) | Received By (Date / Time) | Lab Contract No: 68W02067 |
| Airbill: 1Z6215892210022715 | 1 Lance L Range 4/11/03 | Frank Rinko 4-11-03/0830 | Unit Price: $72.00 |
| Shipped to: | 2 | | Transfer To: |
| | 3 | | Lab Contract No: |
| | 4 | | Unit Price: |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | ORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| ME0001 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279901 (Ice Only) (1) | X214 | S: 4/8/03 | 17:35 | E0001 | good |
| ME0002 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279951 (Ice Only) (1) | X201 | S: 4/8/03 | 13:20 | E0002 | |
| ME0003 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279955 (Ice Only) (1) | X202 | S: 4/8/03 | 13:40 | E0003 | |
| ME0004 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279959 (Ice Only) (1) | X203 | S: 4/8/03 | 14:30 | E0004 | |
| ME0005 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279965 (Ice Only) (1) | X204 | S: 4/8/03 | 14:50 | E0005 | |
| ME0006 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279966 (Ice Only) (1) | X205 | S: 4/8/03 | 14:50 | E0006 | |
| ME0007 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279969 (Ice Only) (1) | X206 | S: 4/8/03 | 15:40 | E0007 | |
| ME0008 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279974 (Ice Only) (1) | X207 | S: 4/8/03 | 15:50 | E0008 | |
| ME0009 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279977 (Ice Only) (1) | X208 | S: 4/8/03 | 16:05 | E0009 | |
| ME0010 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279980 (Ice Only) (1) | X209 | S: 4/8/03 | 16:20 | E0010 | |

002

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: ME0001, ME0005, ME0006 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 2.0°C | Chain of Custody Seal Number: 81186 |
| Analysis Key: TM/CN = CLP TAL Total Metals and Cyanide | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Custody Seal Intact? Yes | Shipment Iced? Yes |

**TR Number: 5-414630194-041103-0001**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

LABORATORY COPY

# USEPA Contract Laboratory Program
# Inorganic Traffic Report & Chain of Custody Record

Case No: 31584
DAS No:
SDG No: ME0001

L

| | | | |
|---|---|---|---|
| Date Shipped: ~~4/9/03~~ 4/11/03 | **Chain of Custody Record** | Sampler Signature: | **For Lab Use Only** |
| Carrier Name: UPS | Relinquished By (Date / Time) | Received By (Date / Time) | Lab Contract No: 68W02067 |
| Airbill: 1Z6215892210022715 | 1 [illegible] 4/11/03 0830 | [illegible] 4-14-03/0830 | Unit Price: $72.00 |
| Shipped to: | 2 | | Transfer To: |
| | 3 | | Lab Contract No: |
| | 4 | | Unit Price: |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | ORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| ME0011 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279983 (Ice Only) (1) | X210 | S: 4/8/03 | 16:35 | E0011 | good |
| ME0012 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279998 (Ice Only) (1) | X211 | S: 4/8/03 | 16:55 | E0012 | |
| ME0013 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279971 (Ice Only) (1) | X212 | S: 4/8/03 | 17:10 | E0013 | |
| ME0014 | Soil/Sediment/ Lance Range | | TM/CN (21) | 5-279985 (Ice Only) (1) | X213 | S: 4/8/03 | 17:20 | E0014 | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: ME0001, ME0005, ME0006 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 2.0°C | Chain of Custody Seal Number: 81186 |
| Analysis Key: TM/CN = CLP TAL Total Metals and Cyanide | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Custody Seal Intact? Y | Shipment Iced? Y |

TR Number: 5-414630194-041103-0001

LABORATORY COPY

003

# BONNER ANALYTICAL TESTING COMPANY

2703 OAK GROVE ROAD, HATTIESBURG, MS 39402
PHONE: (601) 264-2854 FAX: (601) 268-7084

## SDG NARRATIVE:

**SDG Number: ME0001**
**Case Number: 31584**
**Contract Number: 68W02067**

Sample Receipt:

Samples were received at BATCO on 04/14/03 by FedEx and processed by the Sample Custodian. See email pages 372 through 389, for discrepancies found during sample receiving.

The following discrepancies were found:

1. Scheduling Notification stated 24 soil samples for ICP Metals/CN/HG, shipping summary listed 27 and Bonner received 27 samples.

   Resolution: Analysis of the samples was continued and the discrepancy has been noted here in this SDG Narrative.

2. For soil sample ME0001, the label and TR/COC listed the EPA sample ID correctly (ME0001), but the sample tag listed the sample number E0001.

   Resolution: Analysis of the samples was continued and the discrepancy has been noted here in this SDG Narrative.

ICP-AES Metals

1. The initial analytical run was performed on 04/18/03 at 0959 hrs. Problems encountered with this run included: potassium out of range on the CCV, manganese out of range on CRI, samples ME0001, ME0004, ME0005, ME0007, ME0009, ME0011, ME0013, and ME0014 were above the linear range for iron. Matrix Spikes ME0001S was out of range for antimony, ME0005S was out of range for arsenic, antimony, thallium, and zinc, ME0006S was out of range for antimony and arsenic. Corrective Action called for proper dilutions to those samples in which iron was out of the linear range. Post Digestion Analytical Spikes were prepared for ME0001S at 240 ppb (twice the CRQL) for antimony, ME0005S arsenic at 244 ppb, antimony at 240 ppb, thallium at 100 ppb, zinc at 1310 ppb, ME0006 at 240 for antimony and 176 ppb for arsenic. Also, the analysis of all samples for potassium and manganese. See CAF on page 390.

2. The second analytical run was performed on 04/21/03 at 1330 hrs. This run included the iron dilutions and Post Digestion Analytical Spikes for ME0005A for arsenic and zinc.

3. The third analytical run was performed on 04/25/03 at 1156 hrs. All samples were re-analyzed for potassium and manganese, as called for in the above Corrective Action.

4. The last analytical run for this SDG was performed on 04/28/03 at 1431 hrs. This run was to analyze for iron dilutions. Iron was above the linear range for ME001, ME0001D, ME0005, and ME0005D. Corrective Action called for the 1:3 dilution of ME0001 and ME0001D, and 1:2 dilution for ME0005, ME0005D, and ME0005L. See CAF on page 391.

CV-AA Mercury

The analytical run of mercury analysis was performed on 04/29/03 at 1029 hrs. Problems occurred as the CRI failed, and being the 20$^{th}$ sample on the analytical run (too many samples before CCV/CCB), therefore could not be run again. A new sequence run was established in which the CRI was 19$^{th}$ sample, however calibration standards S1 and S2 failed with in range at 1.08 and 1.69, respectively. The instrument was recalibrated and all data collected there after was reported.

Cyanides

No Discrepancies

CSF

No Discrepancies

EDD:

Two defects were discovered the day of required mail out. Manganese was not post spiked, for ME0001, during its rerun. In addition, a dilution for Iron (ME0001D) was not preformed to put the raw concentration within the upper half of the calibration range. Sample result at 1:3 was 93818, the upper half minimum is 100000. The analyst did not notice this due to the parent sample passing at a 1:3 dilution.

Authorized by

Steve Flowers
Quality Assurance Officer

USEPA - CLP

COVER PAGE

MAY 0 6 2003 004

La ame: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No: 31584 NRAS No.: _____ SDG No: ME0001

SOW No.: ILM05.2

| EPA Sample No. | Lab Sample ID |
|---|---|
| ME0001 | BT83319 |
| ME0001D | BT83319D |
| ME0001S | BT83319S |
| ME0002 | BT83320 |
| ME0003 | BT83321 |
| ME0004 | BT83322 |
| ME0005 | BT83323 |
| ME0005D | BT83323D |
| ME0005S | BT83323S |
| ME0006 | BT83324 |
| ME0006D | BT83324D |
| ME0006S | BT83324S |
| ME0007 | BT83325 |
| ME0008 | BT83326 |
| ME0009 | BT83327 |
| ME0010 | BT83328 |
| ME0011 | BT83329 |
| ME0012 | BT83330 |
| ME0013 | BT83331 |

| | | ICP-AES | ICP-MS |
|---|---|---|---|
| Were ICP-AES and ICP-MS interelement corrections applied? | (Yes/No) | YES | YES |
| Were ICP-AES and ICP-MS background corrections applied? | (Yes/No) | YES | YES |
| If yes, were raw data generated before application of background corrections? | (Yes/No) | NO | NO |

Comments: Arsenic, Chromium, Iron, Lead and Zinc were flagged, as estimated, due to QC failures occuring during the serial dilution analysis.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Si ature: _____ Name: Christopher M. Bonner

Date: 5/2/03 Title: Inorganic Laboratory Manager

# USEPA - CLP

## COVER PAGE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No: 31584 NRAS No.: _____ SDG No: ME0001

SOW No.: ILM05.2

| EPA Sample No. | Lab Sample ID |
|---|---|
| ME0014 | BT83332 |

| | | ICP-AES | ICP-MS |
|---|---|---|---|
| Were ICP-AES and ICP-MS interelement corrections applied? | (Yes/No) | YES | YES |
| Were ICP-AES and ICP-MS background corrections applied? | (Yes/No) | YES | YES |
| If yes, were raw data generated before application of background corrections? | (Yes/No) | NO | NO |

Comments: Arsenic, Chromium, Iron, Lead and Zinc were flagged, as estimated, due to QC failures occuring during the serial dilution analysis.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Christopher M. Bonner

Date: 5/2/03 Title: Inorganic Laboratory Manager

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

009

EPA SAMPLE NO.

ME0001

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.:  SDG NO.: ME0001

Matrix (soil/water): SOIL  Lab Sample ID: BT83319

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 68.4

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 11200 | | * | P |
| 7440-36-0 | Antimony | 4.6 | J | N | P |
| 7440-38-2 | Arsenic | 147 | | NE* | P |
| 7440-39-3 | Barium | 174 | | * | P |
| 7440-41-7 | Beryllium | 0.86 | | | P |
| 7440-43-9 | Cadmium | 0.86 | U | N* | P |
| 7440-70-2 | Calcium | 8110 | | * | P |
| 7440-47-3 | Chromium | 64.2 | | E* | P |
| 7440-48-4 | Cobalt | 28.7 | | * | P |
| 7440-50-8 | Copper | 29.2 | | * | P |
| 7439-89-6 | Iron | 41300 | | E* | P |
| 7439-92-1 | Lead | 69.7 | | E* | P |
| 7439-95-4 | Magnesium | 5930 | | * | P |
| 7439-96-5 | Manganese | 1910 | | * | P |
| 7439-97-6 | Mercury | 0.077 | J | | CV |
| 7440-02-0 | Nickel | 36.8 | | * | P |
| 7440-09-7 | Potassium | 2290 | | * | P |
| 7782-49-2 | Selenium | 6.0 | U | N* | P |
| 7440-22-4 | Silver | 0.24 | J | | P |
| 7440-23-5 | Sodium | 54.6 | J | | P |
| 7440-28-0 | Thallium | 4.4 | | N | P |
| 7440-62-2 | Vanadium | 30.0 | | | P |
| 7440-66-6 | Zinc | 10.4 | | NE* | P |
| 57-12-5 | Cyanide | 0.10 | J | | AS |

Color Before: Brown  Clarity Before:  Texture: Medium

Color After: Yellow  Clarity After:  Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0002

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: BT83320

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 54.7

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 10100 | | * | P |
| 7440-36-0 | Antimony | 2.4 | J | N | P |
| 7440-38-2 | Arsenic | 18.5 | | NE* | P |
| 7440-39-3 | Barium | 61.7 | | * | P |
| 7440-41-7 | Beryllium | 0.61 | J | | P |
| 7440-43-9 | Cadmium | 1.4 | | N* | P |
| 7440-70-2 | Calcium | 57900 | | * | P |
| 7440-47-3 | Chromium | 28.3 | | E* | P |
| 7440-48-4 | Cobalt | 7.4 | J | * | P |
| 7440-50-8 | Copper | 29.5 | | * | P |
| 7439-89-6 | Iron | 16700 | | E* | P |
| 7439-92-1 | Lead | 36.9 | | E* | P |
| 7439-95-4 | Magnesium | 35200 | | * | P |
| 7439-96-5 | Manganese | 329 | | * | P |
| 7439-97-6 | Mercury | 0.15 | J | | CV |
| 7440-02-0 | Nickel | 23.4 | | * | P |
| 7440-09-7 | Potassium | 3600 | | * | P |
| 7782-49-2 | Selenium | 1.1 | J | N* | P |
| 7440-22-4 | Silver | 2.7 | U | | P |
| 7440-23-5 | Sodium | 186 | J | | P |
| 7440-28-0 | Thallium | 1.3 | J | N | P |
| 7440-62-2 | Vanadium | 20.9 | | | P |
| 7440-66-6 | Zinc | 136 | | NE* | P |
| 57-12-5 | Cyanide | 0.10 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Rocks

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1A-IN

# INORGANIC ANALYSIS DATA SHEET

011

EPA SAMPLE NO.

ME0003

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0001

Matrix (soil/water): SOIL  Lab Sample ID: BT83321

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 52.1

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 13100 | | * | P |
| 7440-36-0 | Antimony | 2.7 | J | N | P |
| 7440-38-2 | Arsenic | 28.9 | | NE* | P |
| 7440-39-3 | Barium | 80.8 | | * | P |
| 7440-41-7 | Beryllium | 0.76 | J | | P |
| 7440-43-9 | Cadmium | 6.4 | | N* | P |
| 7440-70-2 | Calcium | 25200 | | * | P |
| 7440-47-3 | Chromium | 99.0 | | E* | P |
| 7440-48-4 | Cobalt | 10.0 | J | * | P |
| 7440-50-8 | Copper | 49.7 | | * | P |
| 7439-89-6 | Iron | 21800 | | E* | P |
| 7439-92-1 | Lead | 59.0 | | E* | P |
| 7439-95-4 | Magnesium | 16400 | | * | P |
| 7439-96-5 | Manganese | 396 | | * | P |
| 7439-97-6 | Mercury | 0.27 | | | CV |
| 7440-02-0 | Nickel | 38.5 | | * | P |
| 7440-09-7 | Potassium | 3790 | | * | P |
| 7782-49-2 | Selenium | 1.9 | J | N* | P |
| 7440-22-4 | Silver | 2.8 | U | | P |
| 7440-23-5 | Sodium | 206 | J | | P |
| 7440-28-0 | Thallium | 1.9 | J | N | P |
| 7440-62-2 | Vanadium | 25.5 | | | P |
| 7440-66-6 | Zinc | 220 | | NE* | P |
| 57-12-5 | Cyanide | 0.18 | J | | AS |

Color Before: Brown  Clarity Before: _____  Texture: Medium

Color After: Yellow  Clarity After: _____  Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

012

EPA SAMPLE NO.

ME0004

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: BT83322

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 68.8

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 11200 | | * | P |
| 7440-36-0 | Antimony | 3.4 | J | N | P |
| 7440-38-2 | Arsenic | 13.2 | | NE* | P |
| 7440-39-3 | Barium | 96.4 | | * | P |
| 7440-41-7 | Beryllium | 0.66 | J | | P |
| 7440-43-9 | Cadmium | 0.08 | J | N* | P |
| 7440-70-2 | Calcium | 13800 | | * | P |
| 7440-47-3 | Chromium | 16.8 | | E* | P |
| 7440-48-4 | Cobalt | 16.4 | | * | P |
| 7440-50-8 | Copper | 20.5 | | * | P |
| 7439-89-6 | Iron | 24100 | | E* | P |
| 7439-92-1 | Lead | 27.3 | | E* | P |
| 7439-95-4 | Magnesium | 9840 | | * | P |
| 7439-96-5 | Manganese | 1310 | | * | P |
| 7439-97-6 | Mercury | 0.11 | J | | CV |
| 7440-02-0 | Nickel | 28.6 | | * | P |
| 7440-09-7 | Potassium | 2020 | | * | P |
| 7782-49-2 | Selenium | 1.0 | J | N* | P |
| 7440-22-4 | Silver | 0.15 | J | | P |
| 7440-23-5 | Sodium | 83.6 | J | | P |
| 7440-28-0 | Thallium | 2.8 | J | N | P |
| 7440-62-2 | Vanadium | 25.5 | | | P |
| 7440-66-6 | Zinc | 65.5 | | NE* | P |
| 57-12-5 | Cyanide | 0.07 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

013

EPA SAMPLE NO.

ME0005

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0001

Matrix (soil/water): SOIL  Lab Sample ID: BT83323

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 71.8

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 8240 | | * | P |
| 7440-36-0 | Antimony | 5.1 | J | N | P |
| 7440-38-2 | Arsenic | 15.5 | | NE* | P |
| 7440-39-3 | Barium | 134 | | * | P |
| 7440-41-7 | Beryllium | 0.78 | J | | P |
| 7440-43-9 | Cadmium | 1.3 | U | N* | P |
| 7440-70-2 | Calcium | 7600 | | * | P |
| 7440-47-3 | Chromium | 16.7 | | E* | P |
| 7440-48-4 | Cobalt | 22.1 | | * | P |
| 7440-50-8 | Copper | 25.3 | | * | P |
| 7439-89-6 | Iron | 33700 | | E* | P |
| 7439-92-1 | Lead | 26.9 | | E* | P |
| 7439-95-4 | Magnesium | 4760 | | * | P |
| 7439-96-5 | Manganese | 1740 | | * | P |
| 7439-97-6 | Mercury | 0.14 | U | | CV |
| 7440-02-0 | Nickel | 29.9 | | * | P |
| 7440-09-7 | Potassium | 1540 | | * | P |
| 7782-49-2 | Selenium | 2.0 | J | N* | P |
| 7440-22-4 | Silver | 0.14 | J | | P |
| 7440-23-5 | Sodium | 143 | J | | P |
| 7440-28-0 | Thallium | 3.9 | J | N | P |
| 7440-62-2 | Vanadium | 27.9 | | | P |
| 7440-66-6 | Zinc | 83.0 | | NE* | P |
| 57-12-5 | Cyanide | 0.17 | J | | AS |

Color Before: Brown  Clarity Before: _____  Texture: Coarse

Color After: Yellow  Clarity After: _____  Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

014

EPA SAMPLE NO.

ME0006

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.:  SDG NO.: ME0001

Matrix (soil/water): SOIL  Lab Sample ID: BT83324

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 69.1

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 7600 | | * | P |
| 7440-36-0 | Antimony | 2.9 | J | N | P |
| 7440-38-2 | Arsenic | 9.8 | | NE* | P |
| 7440-39-3 | Barium | 136 | | * | P |
| 7440-41-7 | Beryllium | 0.69 | J | | P |
| 7440-43-9 | Cadmium | 1.1 | U | N* | P |
| 7440-70-2 | Calcium | 7340 | | * | P |
| 7440-47-3 | Chromium | 16.0 | | E* | P |
| 7440-48-4 | Cobalt | 14.9 | | * | P |
| 7440-50-8 | Copper | 16.1 | | * | P |
| 7439-89-6 | Iron | 18900 | | E* | P |
| 7439-92-1 | Lead | 21.9 | | E* | P |
| 7439-95-4 | Magnesium | 4730 | | * | P |
| 7439-96-5 | Manganese | 1090 | | * | P |
| 7439-97-6 | Mercury | 0.078 | J | | CV |
| 7440-02-0 | Nickel | 21.5 | | * | P |
| 7440-09-7 | Potassium | 1510 | | * | P |
| 7782-49-2 | Selenium | 1.3 | J | N* | P |
| 7440-22-4 | Silver | 2.2 | U | | P |
| 7440-23-5 | Sodium | 159 | J | | P |
| 7440-28-0 | Thallium | 2.0 | J | N | P |
| 7440-62-2 | Vanadium | 20.8 | | | P |
| 7440-66-6 | Zinc | 55.5 | | NE* | P |
| 57-12-5 | Cyanide | 0.15 | J | | AS |

Color Before: Brown  Clarity Before:  Texture: Coarse

Color After: Yellow  Clarity After:  Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

015

EPA SAMPLE NO.

ME0007

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.:  SDG NO.: ME0001

Matrix (soil/water): SOIL  Lab Sample ID: BT83325

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 72.9

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 8840 | | * | P |
| 7440-36-0 | Antimony | 2.8 | J | N | P |
| 7440-38-2 | Arsenic | 13.4 | | NE* | P |
| 7440-39-3 | Barium | 104 | | * | P |
| 7440-41-7 | Beryllium | 0.63 | J | | P |
| 7440-43-9 | Cadmium | 0.14 | J | N* | P |
| 7440-70-2 | Calcium | 19700 | | * | P |
| 7440-47-3 | Chromium | 13.6 | | E* | P |
| 7440-48-4 | Cobalt | 20.3 | | * | P |
| 7440-50-8 | Copper | 20.5 | | * | P |
| 7439-89-6 | Iron | 22000 | | E* | P |
| 7439-92-1 | Lead | 30.8 | | E* | P |
| 7439-95-4 | Magnesium | 12700 | | * | P |
| 7439-96-5 | Manganese | 1630 | | * | P |
| 7439-97-6 | Mercury | 0.074 | J | | CV |
| 7440-02-0 | Nickel | 25.2 | | * | P |
| 7440-09-7 | Potassium | 1700 | | * | P |
| 7782-49-2 | Selenium | 1.8 | J | N* | P |
| 7440-22-4 | Silver | 0.17 | J | | P |
| 7440-23-5 | Sodium | 54.4 | J | | P |
| 7440-28-0 | Thallium | 3.4 | J | N | P |
| 7440-62-2 | Vanadium | 21.5 | | | P |
| 7440-66-6 | Zinc | 69.0 | | NE* | P |
| 57-12-5 | Cyanide | 0.19 | J | | AS |

Color Before: Brown  Clarity Before:  Texture: Medium

Color After: Yellow  Clarity After:  Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET



EPA SAMPLE NO.

ME0008

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.:  SDG NO.: ME0001

Matrix (soil/water): SOIL  Lab Sample ID: BT83326

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 60.1

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 10400 | | * | P |
| 7440-36-0 | Antimony | 3.4 | J | N | P |
| 7440-38-2 | Arsenic | 13.9 | | NE* | P |
| 7440-39-3 | Barium | 121 | | * | P |
| 7440-41-7 | Beryllium | 0.77 | J | | P |
| 7440-43-9 | Cadmium | 0.07 | J | N* | P |
| 7440-70-2 | Calcium | 7020 | | * | P |
| 7440-47-3 | Chromium | 18.1 | | E* | P |
| 7440-48-4 | Cobalt | 23.0 | | * | P |
| 7440-50-8 | Copper | 22.4 | | * | P |
| 7439-89-6 | Iron | 23800 | | E* | P |
| 7439-92-1 | Lead | 42.0 | | E* | P |
| 7439-95-4 | Magnesium | 5470 | | * | P |
| 7439-96-5 | Manganese | 1780 | | * | P |
| 7439-97-6 | Mercury | 0.12 | J | | CV |
| 7440-02-0 | Nickel | 25.9 | | * | P |
| 7440-09-7 | Potassium | 1960 | | * | P |
| 7782-49-2 | Selenium | 0.99 | J | N* | P |
| 7440-22-4 | Silver | 0.19 | J | | P |
| 7440-23-5 | Sodium | 80.6 | J | | P |
| 7440-28-0 | Thallium | 3.9 | J | N | P |
| 7440-62-2 | Vanadium | 27.6 | | | P |
| 7440-66-6 | Zinc | 78.4 | | NE* | P |
| 57-12-5 | Cyanide | 0.22 | J | | AS |

Color Before: Brown  Clarity Before:  Texture: Medium

Color After: Yellow  Clarity After:  Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

017

EPA SAMPLE NO.

ME0009

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: BT83327

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 74.3

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 7280 | | * | P |
| 7440-36-0 | Antimony | 4.4 | J | N | P |
| 7440-38-2 | Arsenic | 25.8 | | NE* | P |
| 7440-39-3 | Barium | 83.4 | | * | P |
| 7440-41-7 | Beryllium | 0.60 | J | | P |
| 7440-43-9 | Cadmium | 1.0 | U | N* | P |
| 7440-70-2 | Calcium | 33700 | | * | P |
| 7440-47-3 | Chromium | 13.7 | | E* | P |
| 7440-48-4 | Cobalt | 16.2 | | * | P |
| 7440-50-8 | Copper | 22.2 | | * | P |
| 7439-89-6 | Iron | 31600 | | E* | P |
| 7439-92-1 | Lead | 28.4 | | E* | P |
| 7439-95-4 | Magnesium | 21400 | | * | P |
| 7439-96-5 | Manganese | 1330 | | * | P |
| 7439-97-6 | Mercury | 0.084 | J | | CV |
| 7440-02-0 | Nickel | 22.2 | | * | P |
| 7440-09-7 | Potassium | 1870 | | * | P |
| 7782-49-2 | Selenium | 2.3 | J | N* | P |
| 7440-22-4 | Silver | 0.07 | J | | P |
| 7440-23-5 | Sodium | 85.4 | J | | P |
| 7440-28-0 | Thallium | 2.4 | J | N | P |
| 7440-62-2 | Vanadium | 23.2 | | | P |
| 7440-66-6 | Zinc | 66.5 | | NE* | P |
| 57-12-5 | Cyanide | 0.21 | J | | AS |

Color Before: Brown Clarity Before: Texture: Coarse

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

018

EPA SAMPLE NO.

ME0010

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: BT83328

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 54.4

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 8930 | | * | P |
| 7440-36-0 | Antimony | 2.8 | J | N | P |
| 7440-38-2 | Arsenic | 7.9 | | NE* | P |
| 7440-39-3 | Barium | 68.3 | | * | P |
| 7440-41-7 | Beryllium | 0.60 | J | | P |
| 7440-43-9 | Cadmium | 0.07 | J | N* | P |
| 7440-70-2 | Calcium | 10500 | | * | P |
| 7440-47-3 | Chromium | 15.1 | | E* | P |
| 7440-48-4 | Cobalt | 10.5 | J | * | P |
| 7440-50-8 | Copper | 22.6 | | * | P |
| 7439-89-6 | Iron | 17200 | | E* | P |
| 7439-92-1 | Lead | 30.0 | | E* | P |
| 7439-95-4 | Magnesium | 6780 | | * | P |
| 7439-96-5 | Manganese | 441 | | * | P |
| 7439-97-6 | Mercury | 0.11 | J | | CV |
| 7440-02-0 | Nickel | 21.0 | | * | P |
| 7440-09-7 | Potassium | 1990 | | * | P |
| 7782-49-2 | Selenium | 0.75 | J | N* | P |
| 7440-22-4 | Silver | 3.2 | U | | P |
| 7440-23-5 | Sodium | 180 | J | | P |
| 7440-28-0 | Thallium | 1.2 | J | N | P |
| 7440-62-2 | Vanadium | 20.9 | | | P |
| 7440-66-6 | Zinc | 95.6 | | NE* | P |
| 57-12-5 | Cyanide | 0.13 | J | | AS |

Color Before: Brown Clarity Before: Texture: Coarse

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

019

EPA SAMPLE NO.

ME0011

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: BT83329

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 75.3

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 7450 | | * | P |
| 7440-36-0 | Antimony | 3.7 | J | N | P |
| 7440-38-2 | Arsenic | 18.8 | | NE* | P |
| 7440-39-3 | Barium | 196 | | * | P |
| 7440-41-7 | Beryllium | 0.69 | J | | P |
| 7440-43-9 | Cadmium | 0.15 | J | N* | P |
| 7440-70-2 | Calcium | 26300 | | * | P |
| 7440-47-3 | Chromium | 14.8 | | E* | P |
| 7440-48-4 | Cobalt | 27.7 | | * | P |
| 7440-50-8 | Copper | 22.6 | | * | P |
| 7439-89-6 | Iron | 30100 | | E* | P |
| 7439-92-1 | Lead | 28.5 | | E* | P |
| 7439-95-4 | Magnesium | 16700 | | * | P |
| 7439-96-5 | Manganese | 3050 | | * | P |
| 7439-97-6 | Mercury | 0.063 | J | | CV |
| 7440-02-0 | Nickel | 38.6 | | * | P |
| 7440-09-7 | Potassium | 1950 | | * | P |
| 7782-49-2 | Selenium | 1.5 | J | N* | P |
| 7440-22-4 | Silver | 0.35 | J | | P |
| 7440-23-5 | Sodium | 100 | J | | P |
| 7440-28-0 | Thallium | 5.9 | J | N | P |
| 7440-62-2 | Vanadium | 30.6 | | | P |
| 7440-66-6 | Zinc | 69.7 | | NE* | P |
| 57-12-5 | Cyanide | 0.08 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Rocks

# USEPA - CLP
## 1A-IN
## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0012

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.:  SDG NO.: ME0001

Matrix (soil/water): SOIL  Lab Sample ID: BT83330

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 67.5

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 10000 | | * | P |
| 7440-36-0 | Antimony | 2.9 | J | N | P |
| 7440-38-2 | Arsenic | 15.9 | | NE* | P |
| 7440-39-3 | Barium | 156 | | * | P |
| 7440-41-7 | Beryllium | 0.75 | J | | P |
| 7440-43-9 | Cadmium | 0.15 | J | N* | P |
| 7440-70-2 | Calcium | 17300 | | * | P |
| 7440-47-3 | Chromium | 16.4 | | E* | P |
| 7440-48-4 | Cobalt | 27.4 | | * | P |
| 7440-50-8 | Copper | 23.7 | | * | P |
| 7439-89-6 | Iron | 25000 | | E* | P |
| 7439-92-1 | Lead | 33.8 | | E* | P |
| 7439-95-4 | Magnesium | 11000 | | * | P |
| 7439-96-5 | Manganese | 2180 | | * | P |
| 7439-97-6 | Mercury | 0.092 | J | | CV |
| 7440-02-0 | Nickel | 35.0 | | * | P |
| 7440-09-7 | Potassium | 2230 | | * | P |
| 7782-49-2 | Selenium | 2.2 | J | N* | P |
| 7440-22-4 | Silver | 0.21 | J | | P |
| 7440-23-5 | Sodium | 82.8 | J | | P |
| 7440-28-0 | Thallium | 4.2 | J | N | P |
| 7440-62-2 | Vanadium | 25.5 | | | P |
| 7440-66-6 | Zinc | 77.0 | | NE* | P |
| 57-12-5 | Cyanide | 0.26 | J | | AS |

Color Before: Brown  Clarity Before:  Texture: Fine

Color After: Yellow  Clarity After:  Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

021

EPA SAMPLE NO.

ME0013

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.:  SDG NO.: ME0001

Matrix (soil/water): SOIL  Lab Sample ID: BT83331

Level (low/med): LOW  Date Received: 4/14/2003

% Solids: 71.5

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 8400 | | * | P |
| 7440-36-0 | Antimony | 3.8 | J | N | P |
| 7440-38-2 | Arsenic | 15.9 | | NE* | P |
| 7440-39-3 | Barium | 82.7 | | * | P |
| 7440-41-7 | Beryllium | 0.65 | J | | P |
| 7440-43-9 | Cadmium | 1.2 | U | N* | P |
| 7440-70-2 | Calcium | 19200 | | * | P |
| 7440-47-3 | Chromium | 15.6 | | E* | P |
| 7440-48-4 | Cobalt | 20.2 | | * | P |
| 7440-50-8 | Copper | 19.8 | | * | P |
| 7439-89-6 | Iron | 12500 | | E* | P |
| 7439-92-1 | Lead | 35.8 | | E* | P |
| 7439-95-4 | Magnesium | 11800 | | * | P |
| 7439-96-5 | Manganese | 1340 | | * | P |
| 7439-97-6 | Mercury | 0.071 | J | | CV |
| 7440-02-0 | Nickel | 26.0 | | * | P |
| 7440-09-7 | Potassium | 1820 | | * | P |
| 7782-49-2 | Selenium | 1.4 | J | N* | P |
| 7440-22-4 | Silver | 0.10 | J | | P |
| 7440-23-5 | Sodium | 88.3 | J | | P |
| 7440-28-0 | Thallium | 2.9 | J | N | P |
| 7440-62-2 | Vanadium | 25.0 | | | P |
| 7440-66-6 | Zinc | 64.8 | | NE* | P |
| 57-12-5 | Cyanide | 0.14 | J | | AS |

Color Before: Brown  Clarity Before:  Texture: Fine

Color After: Yellow  Clarity After:  Artifacts: Yes

Comments: Rocks

USEPA - CLP

1A-IN

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0014

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: BT83332

Level (low/med): LOW Date Received: 4/14/2003

% Solids: 71.0

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 8810 | | * | P |
| 7440-36-0 | Antimony | 3.3 | J | N | P |
| 7440-38-2 | Arsenic | 15.8 | | NE* | P |
| 7440-39-3 | Barium | 133 | | * | P |
| 7440-41-7 | Beryllium | 0.88 | J | | P |
| 7440-43-9 | Cadmium | 1.2 | U | N* | P |
| 7440-70-2 | Calcium | 4530 | | * | P |
| 7440-47-3 | Chromium | 16.6 | | E* | P |
| 7440-48-4 | Cobalt | 27.6 | | * | P |
| 7440-50-8 | Copper | 20.4 | | * | P |
| 7439-89-6 | Iron | 27400 | | E* | P |
| 7439-92-1 | Lead | 34.4 | | E* | P |
| 7439-95-4 | Magnesium | 3280 | | * | P |
| 7439-96-5 | Manganese | 1930 | | * | P |
| 7439-97-6 | Mercury | 0.077 | J | | CV |
| 7440-02-0 | Nickel | 28.1 | | * | P |
| 7440-09-7 | Potassium | 1680 | | * | P |
| 7782-49-2 | Selenium | 2.2 | J | N* | P |
| 7440-22-4 | Silver | 0.15 | J | | P |
| 7440-23-5 | Sodium | 97.2 | J | | P |
| 7440-28-0 | Thallium | 4.0 | J | N | P |
| 7440-62-2 | Vanadium | 29.2 | | | P |
| 7440-66-6 | Zinc | 66.7 | | NE* | P |
| 57-12-5 | Cyanide | 0.17 | J | | AS |

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Artifacts: Yes

Comments: Rocks

# USEPA - CLP
## 3-IN
## BLANKS

Lab Name: Bonner Analytical Testing Comp  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0001

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calibration Blank (ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | | 28.4 | J | 35.6 | J | | | | | P |
| Antimony | | | 8.9 | J | 60.0 | U | | | | | P |
| Arsenic | | | 15.0 | U | 15.0 | U | | | | | P |
| Barium | | | 1.0 | J | 200.0 | U | | | | | P |
| Beryllium | | | 0.04 | J | 0.05 | J | | | | | P |
| Cadmium | | | 0.2 | J | 0.3 | J | | | | | P |
| Calcium | | | -64.6 | J | -81.2 | J | | | | | P |
| Chromium | | | 10.0 | U | 10.0 | U | | | | | P |
| Cobalt | | | 50.0 | U | -0.4 | J | | | | | P |
| Copper | | | -2.1 | J | -2.2 | J | | | | | P |
| Iron | | | 64.7 | J | 28.9 | J | | | | | P |
| Lead | | | 10.0 | U | 10.0 | U | | | | | P |
| Magnesium | | | 47.7 | J | 49.3 | J | | | | | P |
| Manganese | | | 0.7 | J | 0.2 | J | | | | | P |
| Mercury | | | 0.2 | U | | | | | | | CV |
| Nickel | | | 40.0 | U | 40.0 | U | | | | | P |
| Potassium | | | -831.7 | J | -836.5 | J | | | | | P |
| Selenium | | | 7.4 | J | 35.0 | U | | | | | P |
| Silver | | | 10.0 | U | 10.0 | U | | | | | P |
| Sodium | | | 5000.0 | U | 5000.0 | U | | | | | P |
| Thallium | | | 25.0 | U | 25.0 | U | | | | | P |
| Vanadium | | | 0.4 | J | 50.0 | U | | | | | P |
| Zinc | | | 2.2 | J | 2.4 | J | | | | | P |
| Cyanide | | | 10.0 | U | | | | | | | AS |

# USEPA - CLP
## 3-IN
## BLANKS

Lab Name: Bonner Analytical Testing Comp Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calibration Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Aluminum | 200.0 | U | 6.2 | J | 28.3 | J | 13.6 | J | 40.000 | U | P |
| Antimony | 60.0 | U | 60.0 | U | 9.6 | J | 11.8 | J | 12.000 | U | P |
| Arsenic | 15.0 | U | 15.0 | U | 15.0 | U | 5.5 | J | 3.000 | U | P |
| Barium | -1.4 | J | -0.8 | J | 200.0 | U | -0.7 | J | -0.146 | J | P |
| Beryllium | 0.03 | J | 0.03 | J | 0.04 | J | 0.03 | J | -0.003 | J | P |
| Cadmium | 5.0 | U | 5.0 | U | 5.0 | U | 5.0 | U | 1.000 | U | P |
| Calcium | -93.1 | J | -100.2 | J | -56.6 | J | -101.5 | J | -8.421 | J | P |
| Chromium | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U | 2.000 | U | P |
| Cobalt | 50.0 | U | 50.0 | U | 50.0 | U | 50.0 | U | -0.043 | J | P |
| Copper | -1.3 | J | -1.6 | J | -1.8 | J | -2.3 | J | -0.225 | J | P |
| Iron | 100.0 | U | 100.0 | U | 63.4 | J | 10.1 | J | 20.000 | U | P |
| Lead | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U | 2.000 | U | P |
| Magnesium | 8.4 | J | 16.6 | J | 51.7 | J | 26.4 | J | 0.869 | J | P |
| Manganese | -0.2 | J | -0.2 | J | 0.6 | J | 0.2 | J | 0.127 | J | P |
| Mercury | 0.2 | U | 0.1 | J | 0.1 | J | 0.1 | J | 0.100 | U | CV |
| Nickel | 40.0 | U | 40.0 | U | 40.0 | U | 40.0 | U | 8.000 | U | P |
| Potassium | -852.2 | J | -854.6 | J | -831.2 | J | -839.5 | J | -84.840 | J | P |
| Selenium | 35.0 | U | 35.0 | U | 35.0 | U | 35.0 | U | 7.000 | U | P |
| Silver | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U | 2.000 | U | P |
| Sodium | 5000.0 | U | 113.0 | J | 5000.0 | U | 5000.0 | U | 73.943 | J | P |
| Thallium | 25.0 | U | 25.0 | U | 25.0 | U | 25.0 | U | 5.000 | U | P |
| Vanadium | 50.0 | U | 0.3 | J | 0.4 | J | 50.0 | U | -0.021 | J | P |
| Zinc | 60.0 | U | 60.0 | U | 1.4 | J | 2.1 | J | 0.669 | J | P |
| Cyanide | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U | 0.023 | J | AS |

# USEPA - CLP
## 3-IN
## BLANKS

Lab Name: Bonner Analytical Testing Comp Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calibration Blank(ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 15.0 | U | 15.0 | U | 15.0 | U | 15.0 | U | | | P |
| Iron | 100.0 | U | 100.0 | U | 100.0 | U | 100.0 | U | | | P |
| Zinc | 60.0 | U | 60.0 | U | 60.0 | U | 60.0 | U | | | P |

# USEPA - CLP
## 3-IN
## BLANKS

Lab Name: Bonner Analytical Testing Comp Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calibration Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Arsenic | | | 15.0 | U | | | | | | | P |
| Iron | | | 100.0 | U | | | | | | | P |
| Zinc | | | 60.0 | U | | | | | | | P |

USEPA - CLP

3-IN

BLANKS

039

Lab Name: Bonner Analytical Testing Comp Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calibration Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Iron | 100.0 | U | 100.0 | U | 100.0 | U | 100.0 | U | | | P |

USEPA - CLP

4A-IN

040

# ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

ICP-AES Instrument ID: Spectro Ciros02 ICS Source: EPA

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol.A | Sol AB | Sol.A | %R | Sol AB | %R | Sol.A | %R | Sol.AB | %R |
| Aluminum | 250000 | 250000 | 280599 | 112 | 277653.0 | 111 | 266822 | 107 | 268570.0 | 107 |
| Antimony | 0 | 600 | 10 | | 597.7 | 100 | 9 | | 572.1 | 95 |
| Arsenic | 0 | 100 | -2 | | 103.9 | 104 | 0 | | 99.1 | 99 |
| Barium | 0 | 500 | -3 | | 497.7 | 100 | -3 | | 475.5 | 95 |
| Beryllium | 0 | 500 | 0 | | 497.7 | 100 | 0 | | 478.3 | 96 |
| Cadmium | 0 | 1000 | -2 | | 962.5 | 96 | -2 | | 917.5 | 92 |
| Calcium | 250000 | 250000 | 247236 | 99 | 245036.0 | 98 | 232373 | 93 | 233807.0 | 94 |
| Chromium | 0 | 500 | 4 | | 505.3 | 101 | 4 | | 486.2 | 97 |
| Cobalt | 0 | 500 | 0 | | 478.3 | 96 | -1 | | 457.4 | 91 |
| Copper | 0 | 500 | 2 | | 525.2 | 105 | 0 | | 509.1 | 102 |
| Iron | 100000 | 100000 | 95690 | 96 | 94830.4 | 95 | 90761 | 91 | 91388.6 | 91 |
| Lead | 0 | 50 | 1 | | 45.6 | 91 | -5 | | 42.3 | 85 |
| Magnesium | 250000 | 250000 | 262323 | 105 | 258263.0 | 103 | 246127 | 98 | 248899.0 | 100 |
| Nickel | 0 | 1000 | 0 | | 962.5 | 96 | 1 | | 920.6 | 92 |
| Selenium | 0 | 50 | 8 | | 57.3 | 115 | 4 | | 59.2 | 118 |
| Silver | 0 | 200 | 0 | | 209.4 | 105 | 0 | | 206.0 | 103 |
| Sodium | 0 | | 168 | | -14.1 | | 136 | | 38.2 | |
| Thallium | 0 | 100 | 3 | | 105.1 | 105 | 5 | | 103.7 | 104 |
| Vanadium | 0 | 500 | 2 | | 489.0 | 98 | 2 | | 470.1 | 94 |
| Zinc | 0 | 1000 | 5 | | 973.1 | 97 | 5 | | 931.1 | 93 |

USEPA - CLP

4A-IN

041

# ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

ICP-AES Instrument ID: Spectro Ciros02 ICS Source: EPA

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol.A | Sol AB | Sol.A | %R | Sol AB | %R | Sol.A | %R | Sol.AB | %R |
| Aluminum | 250000 | 250000 | | | | | 263548 | 105 | 265343.0 | 106 |
| Antimony | 0 | 600 | | | | | 11 | | 569.6 | 95 |
| Arsenic | 0 | 100 | | | | | -2 | | 97.6 | 98 |
| Barium | 0 | 500 | | | | | -3 | | 467.2 | 93 |
| Beryllium | 0 | 500 | | | | | 0 | | 472.7 | 95 |
| Cadmium | 0 | 1000 | | | | | -2 | | 901.9 | 90 |
| Calcium | 250000 | 250000 | | | | | 229224 | 92 | 232265.0 | 93 |
| Chromium | 0 | 500 | | | | | 4 | | 480.9 | 96 |
| Cobalt | 0 | 500 | | | | | -1 | | 450.7 | 90 |
| Copper | 0 | 500 | | | | | 0 | | 501.5 | 100 |
| Iron | 100000 | 100000 | | | | | 89267 | 89 | 89982.6 | 90 |
| Lead | 0 | 50 | | | | | 0 | | 43.0 | 86 |
| Magnesium | 250000 | 250000 | | | | | 242724 | 97 | 244068.0 | 98 |
| Nickel | 0 | 1000 | | | | | 0 | | 909.0 | 91 |
| Selenium | 0 | 50 | | | | | 3 | | 59.2 | 118 |
| Silver | 0 | 200 | | | | | 0 | | 203.5 | 102 |
| Sodium | 0 | | | | | | 138 | | -41.5 | |
| Thallium | 0 | 100 | | | | | 6 | | 99.6 | 100 |
| Vanadium | 0 | 500 | | | | | 2 | | 463.6 | 93 |
| Zinc | 0 | 1000 | | | | | 6 | | 920.6 | 92 |

# USEPA - CLP
## 4A-IN
## ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

ICP-AES Instrument ID: Spectro Ciros02 ICS Source: EPA

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol.A | Sol AB | Sol.A | %R | Sol AB | %R | Sol.A | %R | Sol.AB | %R |
| Manganese | 0 | 500 | 4 | | 496.3 | 99 | 5 | | 492.1 | 98 |
| Potassium | 0 | | -852 | | -851.3 | | -824 | | -830.9 | |

USEPA - CLP

4A-IN

# ICP-AES INTERFERENCE CHECK SAMPLE

043

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

ICP-AES Instrument ID: Spectro Ciros02 ICS Source: EPA

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol.A | Sol AB | Sol.A | %R | Sol AB | %R | Sol.A | %R | Sol.AB | %R |
| Manganese | 0 | 500 | | | | | 6 | | 490.4 | 98 |
| Potassium | 0 | | | | | | -819 | | -826.7 | |

USEPA - CLP

4A-IN

044

# ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

ICP-AES Instrument ID: Spectro Ciros02 ICS Source: EPA

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol.A | Sol AB | Sol.A | %R | Sol AB | %R | Sol.A | %R | Sol.AB | %R |
| Arsenic | 0 | 100 | 0 | | 102.6 | 103 | -2 | | 97.8 | 98 |
| Iron | 100000 | 100000 | 93868 | 94 | 93991.6 | 94 | 91916 | 92 | 92564.3 | 93 |
| Zinc | 0 | 1000 | 3 | | 975.2 | 98 | 3 | | 961.2 | 96 |

USEPA - CLP

4A-IN

045

# ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

ICP-AES Instrument ID: Spectro Ciros02 ICS Source: EPA

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol.A | Sol AB | Sol.A | %R | Sol AB | %R | Sol.A | %R | Sol.AB | %R |
| Arsenic | 0 | 100 | | | | | 0 | | 97.2 | 97 |
| Iron | 100000 | 100000 | | | | | 92164 | 92 | 93108.1 | 93 |
| Zinc | 0 | 1000 | | | | | 4 | | 960.8 | 96 |

USEPA - CLP

4A-IN

046

# ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

ICP-AES Instrument ID: Spectro Ciros02 ICS Source: EPA

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | | Final Found | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sol.A | Sol AB | Sol.A | %R | Sol AB | %R | Sol.A | %R | Sol.AB | %R |
| Iron | 100000 | 100000 | 93295 | 93 | 93760.0 | 94 | 92803 | 93 | 93015.1 | 93 |

# USEPA - CLP
## 5A-IN
## MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0001S

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0001

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 65.8

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

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | 12750.1104 | | 11244.8301 | | 0.00 | 0 | | P |
| Antimony | 75 - 125 | 12.0095 | | 4.5748 | J | 18.20 | 41 | N | P |
| Arsenic | | 198.2268 | | 146.8818 | | 7.28 | 705 | | P |
| Barium | 75 - 125 | 573.6506 | | 173.9955 | | 364.01 | 110 | | P |
| Beryllium | 75 - 125 | 9.3176 | | 0.8604 | J | 9.10 | 93 | | P |
| Cadmium | 75 - 125 | 0.9100 | U | 0.8754 | U | 9.10 | -676 | N | P |
| Calcium | | 7189.7939 | | 8112.5098 | | 0.00 | 0 | | P |
| Chromium | 75 - 125 | 104.4779 | | 64.1696 | | 36.40 | 111 | | P |
| Cobalt | 75 - 125 | 116.2925 | | 28.7423 | | 91.00 | 96 | | P |
| Copper | 75 - 125 | 76.5419 | | 29.2013 | | 45.50 | 104 | | P |
| Lead | | 87.2102 | | 69.7375 | | 3.64 | 480 | | P |
| Magnesium | | 6234.5010 | | 5927.8472 | | 0.00 | 0 | | P |
| Manganese | | 2058.7971 | | 1911.5990 | | 91.00 | 162 | | P |
| Mercury | 75 - 125 | 0.8951 | | 0.0528 | J | 0.80 | 112 | | CV |
| Nickel | 75 - 125 | 127.1038 | | 36.8011 | | 91.00 | 99 | | P |
| Potassium | | 3723.7849 | | 2291.0730 | | 0.00 | 0 | | P |
| Selenium | 75 - 125 | 6.3702 | U | 6.1281 | U | 9.10 | -41 | N | P |
| Silver | 75 - 125 | 8.5482 | | 0.2420 | J | 9.10 | 91 | | P |
| Sodium | | 81.9000 | J | 54.6058 | J | 0.00 | 0 | | P |
| Thallium | 75 - 125 | 13.6860 | | 4.3977 | | 9.10 | 102 | | P |
| Vanadium | 75 - 125 | 118.6252 | | 30.0149 | | 91.00 | 97 | | P |
| Zinc | 75 - 125 | 92.7177 | | 10.3616 | J | 91.00 | 91 | | P |
| Cyanide | 75 - 125 | 7.5403 | | 0.0977 | J | 7.60 | 98 | | AS |

Comments:

# USEPA - CLP
## 5A-IN
## MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0005S

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0001

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 72.1

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

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | 10026.3096 | | 8238.1201 | | 0.00 | 0 | | P |
| Antimony | 75 - 125 | 8.2244 | J | 5.1425 | J | 15.08 | 20 | N | P |
| Arsenic | 75 - 125 | 16.3982 | | 15.4822 | | 6.03 | 15 | N | P |
| Barium | 75 - 125 | 369.1514 | | 134.2516 | | 301.51 | 78 | | P |
| Beryllium | 75 - 125 | 7.4828 | | 0.7751 | | 7.54 | 89 | | P |
| Cadmium | 75 - 125 | 6.7680 | | 0.7569 | U | 7.54 | 90 | | P |
| Calcium | | 6901.6162 | | 7596.2231 | | 0.00 | 0 | | P |
| Chromium | 75 - 125 | 44.1489 | | 16.7137 | | 30.15 | 91 | | P |
| Cobalt | 75 - 125 | 85.4164 | | 22.1178 | | 75.38 | 84 | | P |
| Copper | 75 - 125 | 53.7163 | | 25.3374 | | 37.69 | 75 | | P |
| Lead | | 25.9992 | | 26.9428 | | 3.02 | -31 | | P |
| Magnesium | | 4019.1650 | | 4764.7388 | | 0.00 | 0 | | P |
| Manganese | | 1253.2209 | | 1738.0090 | | 75.38 | -643 | | P |
| Mercury | 75 - 125 | 0.7316 | | 0.1000 | U | 0.69 | 106 | | CV |
| Nickel | 75 - 125 | 92.2504 | | 29.8853 | | 75.38 | 83 | | P |
| Potassium | | 1561.3650 | | 1542.1130 | | 0.00 | 0 | | P |
| Selenium | 75 - 125 | 7.8716 | | 2.0206 | J | 7.54 | 78 | | P |
| Silver | 75 - 125 | 6.8429 | | 0.1383 | J | 7.54 | 89 | | P |
| Sodium | | 188.2050 | J | 142.6083 | J | 0.00 | 0 | | P |
| Thallium | 75 - 125 | 9.3698 | | 3.8605 | | 7.54 | 73 | N | P |
| Vanadium | 75 - 125 | 93.1654 | | 27.8514 | | 75.38 | 87 | | P |
| Zinc | 75 - 125 | 125.5270 | | 83.0323 | | 75.38 | 56 | N | P |
| Cyanide | 75 - 125 | 6.7570 | | 0.1682 | J | 6.87 | 96 | | AS |

Comments:

# USEPA - CLP
## 5A-IN
## MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0006S

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0001

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 71.5

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

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | 9130.6758 | | 7604.0479 | | 0.00 | 0 | | P |
| Antimony | 75 - 125 | 7.7941 | J | 2.8616 | J | 17.06 | 29 | N | P |
| Arsenic | 75 - 125 | 18.1019 | | 9.8270 | | 6.82 | 121 | | P |
| Barium | 75 - 125 | 445.7679 | | 136.1404 | | 341.12 | 91 | | P |
| Beryllium | 75 - 125 | 8.4473 | | 0.6885 | J | 8.53 | 91 | | P |
| Cadmium | 75 - 125 | 7.7127 | | 0.8824 | U | 8.53 | 90 | | P |
| Calcium | | 10741.0498 | | 7336.5020 | | 0.00 | 0 | | P |
| Chromium | 75 - 125 | 46.6395 | | 16.0145 | | 34.11 | 90 | | P |
| Cobalt | 75 - 125 | 97.5865 | | 14.8765 | | 85.28 | 97 | | P |
| Copper | 75 - 125 | 59.3509 | | 16.0657 | | 42.64 | 102 | | P |
| Lead | | 27.2575 | | 21.9130 | | 3.41 | 157 | | P |
| Magnesium | | 5800.3569 | | 4732.5220 | | 0.00 | 0 | | P |
| Manganese | | 1616.6520 | | 1086.0820 | | 85.28 | 622 | | P |
| Mercury | 75 - 125 | 0.8384 | | 0.0538 | J | 0.74 | 113 | | CV |
| Nickel | 75 - 125 | 102.2504 | | 21.5300 | | 85.28 | 95 | | P |
| Potassium | | 1586.0601 | | 1513.4690 | | 0.00 | 0 | | P |
| Selenium | 75 - 125 | 8.3508 | | 1.3459 | J | 8.53 | 82 | | P |
| Silver | 75 - 125 | 7.7742 | | 1.7649 | U | 8.53 | 91 | | P |
| Sodium | | 156.1385 | J | 158.7866 | J | 0.00 | 0 | | P |
| Thallium | 75 - 125 | 10.9582 | | 2.0445 | J | 8.53 | 104 | | P |
| Vanadium | 75 - 125 | 101.1100 | | 20.7700 | | 85.28 | 94 | | P |
| Zinc | 75 - 125 | 131.8469 | | 55.4834 | | 85.28 | 90 | | P |
| Cyanide | 75 - 125 | 6.8874 | | 0.1483 | J | 6.99 | 96 | | AS |

Comments:

# 5B-IN
# POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0001A

Lab Name: Bonner Analytical Testing Compa  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0001

Matrix (soil/water): SOIL  Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | | 272.38 | | 53.20 | J | 240.0 | 91 | | P |

Comments:

USEPA - CLP

5B-IN

# POST-DIGESTION SPIKE SAMPLE RECOVERY

051

EPA SAMPLE NO.

ME0005A

Lab Name: Bonner Analytical Testing Compa  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME0001

Matrix (soil/water): SOIL  Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | | 261.39 | | 40.62 | J | 240.0 | 92 | | P |
| Arsenic | | 353.42 | | 122.28 | | 244.0 | 95 | | P |
| Thallium | | 126.86 | | 30.49 | | 100.0 | 96 | | P |
| Zinc | | 1806.17 | | 655.79 | | 1310.0 | 88 | | P |

Comments:

# 5B-IN
# POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0006A

Lab Name: Bonner Analytical Testing Compa  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO.: ME000I

Matrix (soil/water): SOIL  Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | | 258.72 | | 25.90 | J | 240.0 | 97 | | P |
| Arsenic | | 147.27 | | 88.96 | | 176.0 | 33 | | P |

Comments:

# USEPA - CLP
## 6-IN
## DUPLICATES

EPA SAMPLE NO.

ME0001D

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO. ME0001

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 68.4  % Solids for Duplicate: 65.8

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

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|---|---|---|---|---|---|---|---|---|
| Aluminum | | 11244.8301 | | 11612.1504 | | 3 | | P |
| Antimony | | 4.5748 | J | 3.5592 | J | 25 | | P |
| Arsenic | 2.8855 | 146.8818 | | 13.1122 | | 167 | * | P |
| Barium | 38.4734 | 173.9955 | | 109.5278 | | 45 | * | P |
| Beryllium | | 0.8604 | J | 0.7883 | J | 9 | | P |
| Cadmium | | 0.9618 | U | 0.9618 | U | | * | P |
| Calcium | | 8112.5098 | | 9716.6250 | | 18 | | P |
| Chromium | | 64.1696 | | 18.3670 | | 111 | * | P |
| Cobalt | 9.6183 | 28.7423 | | 21.8829 | | 27 | | P |
| Copper | 4.8092 | 29.2013 | | 21.4238 | | 31 | * | P |
| Iron | | 41291.3281 | | 27071.2695 | | 42 | * | P |
| Lead | | 69.7375 | | 34.2420 | | 68 | * | P |
| Magnesium | | 5927.8472 | | 7711.1860 | | 26 | * | P |
| Manganese | | 1911.5990 | | 1197.0980 | | 46 | * | P |
| Mercury | | 0.0528 | J | 0.0656 | J | 22 | | CV |
| Nickel | 7.6947 | 36.8011 | | 29.3326 | | 23 | | P |
| Potassium | 961.8344 | 2291.0730 | | 3630.2729 | | 45 | * | P |
| Selenium | | 6.7328 | U | 1.3454 | J | 200 | * | P |
| Silver | | 0.2420 | J | 0.1439 | J | 51 | | P |
| Sodium | | 54.6058 | J | 36.5334 | J | 40 | | P |
| Thallium | | 4.3977 | J | 3.0156 | J | 37 | | P |
| Vanadium | 9.6183 | 30.0149 | | 28.7708 | | 4 | | P |
| Zinc | 11.5420 | 10.3616 | J | 69.5501 | | 148 | * | P |
| Cyanide | | 0.0977 | J | 0.1028 | J | 5 | | AS |

# USEPA - CLP

## 6-IN

## DUPLICATES

EPA SAMPLE NO.

ME0005D

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO. ME0001 -

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 71.8  % Solids for Duplicate: 72.1

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

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|---|---|---|---|---|---|---|---|---|
| Aluminum | | 8238.1201 | | 10228.7002 | | 22 | * | P |
| Antimony | | 5.1425 | J | 3.4241 | J | 40 | | P |
| Arsenic | 3.3161 | 15.4822 | | 10.6009 | | 37 | * | P |
| Barium | 44.2145 | 134.2516 | | 67.7583 | | 66 | * | P |
| Beryllium | | 0.7751 | J | 0.9947 | J | 25 | | P |
| Cadmium | | 1.1054 | U | 1.1054 | U | | | P |
| Calcium | | 7596.2231 | | 10659.4199 | | 34 | * | P |
| Chromium | | 16.7137 | | 19.9709 | | 18 | | P |
| Cobalt | 11.0536 | 22.1178 | | 14.5142 | | 42 | | P |
| Copper | 5.5268 | 25.3374 | | 20.1139 | | 23 | | P |
| Iron | | 33699.5195 | | 26710.7891 | | 23 | * | P |
| Lead | | 26.9428 | | 24.0872 | | 11 | | P |
| Magnesium | 1105.3630 | 4764.7388 | | 6156.1211 | | 25 | * | P |
| Manganese | | 1738.0090 | | 913.4871 | | 62 | * | P |
| Mercury | | 0.0952 | U | 0.0529 | J | 200 | | CV |
| Nickel | 8.8429 | 29.8853 | | 23.2390 | | 25 | | P |
| Potassium | 1105.3630 | 1542.1130 | | 1598.4030 | | 4 | | P |
| Selenium | | 2.0206 | J | 1.3540 | J | 40 | | P |
| Silver | | 0.1383 | J | 2.2107 | U | 200 | | P |
| Sodium | | 142.6083 | J | 336.8170 | J | 81 | | P |
| Thallium | | 3.8605 | J | 1.9365 | J | 66 | | P |
| Vanadium | 11.0536 | 27.8514 | | 28.4351 | | 2 | | P |
| Zinc | | 83.0323 | | 72.4810 | | 14 | | P |
| Cyanide | | 0.1682 | J | 0.1288 | J | 27 | | AS |

# USEPA - CLP
## 6-IN
## DUPLICATES

EPA SAMPLE NO.

ME0006D

Lab Name: Bonner Analytical Testing  Contract: 68W02067

Lab Code: BONNER  Case No.: 31584  NRAS No.: _____  SDG NO. ME0001

Matrix (soil/water): SOIL  Level (low/med): LOW

% Solids for Sample: 69.1  % Solids for Duplicate: 71.5

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

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|---|---|---|---|---|---|---|---|---|
| Aluminum | | 7604.0479 | | 10629.5801 | | 33 | * | P |
| Antimony | | 2.8616 | J | 3.6572 | J | 24 | | P |
| Arsenic | 2.6154 | 9.8270 | | 12.6142 | | 25 | * | P |
| Barium | 34.8718 | 136.1404 | | 127.0976 | | 7 | | P |
| Beryllium | | 0.6885 | J | 0.8649 | J | 23 | | P |
| Cadmium | | 0.8718 | U | 0.0890 | J | 200 | | P |
| Calcium | | 7336.5020 | | 8208.1113 | | 11 | | P |
| Chromium | | 16.0145 | | 17.5647 | | 9 | | P |
| Cobalt | 8.7179 | 14.8765 | | 30.2290 | | 68 | * | P |
| Copper | 4.3590 | 16.0657 | | 22.1643 | | 32 | * | P |
| Lead | | 21.9130 | | 28.1247 | | 25 | * | P |
| Magnesium | | 4732.5220 | | 5191.3569 | | 9 | | P |
| Manganese | | 1086.0820 | | 1964.7740 | | 58 | * | P |
| Mercury | | 0.0538 | J | 0.0712 | J | 28 | | CV |
| Nickel | 6.9744 | 21.5300 | | 34.2022 | | 45 | * | P |
| Potassium | 871.7941 | 1513.4690 | | 1900.3409 | | 23 | | P |
| Selenium | | 1.3459 | J | 2.0208 | J | 40 | | P |
| Silver | | 1.7436 | U | 0.1791 | J | 200 | | P |
| Sodium | | 158.7866 | J | 177.6971 | J | 11 | | P |
| Thallium | | 2.0445 | J | 3.8858 | J | 62 | | P |
| Vanadium | 8.7179 | 20.7700 | | 27.8115 | | 29 | | P |
| Zinc | | 55.4834 | | 77.0222 | | 33 | * | P |
| Cyanide | | 0.1483 | J | 0.1877 | J | 23 | | AS |

USEPA - CLP

7 - IN

LABORATORY CONTROL SAMPLE

056

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No: _____ SDG NO.: ME0001

Solid LCS Source: ERA 246

Aqueous LCS Source: _____

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | True | Found | %R | True | Found | C | Limits | | %R |
| Aluminum | | | | 8472.5 | 9395.73 | | 2662.0 | 14283.0 | 111 |
| Antimony | | | | 0.0 | 2.05 | J | 0.0 | 0.0 | 0 |
| Arsenic | | | | 380.5 | 392.06 | | 338.9 | 422.0 | 103 |
| Barium | | | | 75.5 | 74.98 | | 50.2 | 100.9 | 99 |
| Beryllium | | | | 0.4 | 0.427 | J | 0.2 | 0.7 | 99 |
| Cadmium | | | | 0.9 | 0.08 | J | 0.0 | 2.9 | 9 |
| Calcium | | | | 5425.8 | 5267.77 | | 3920.3 | 6931.2 | 97 |
| Chromium | | | | 31.0 | 33.73 | | 17.2 | 44.9 | 109 |
| Cobalt | | | | 4.7 | 4.38 | J | 3.4 | 6.0 | 94 |
| Copper | | | | 8.9 | 8.88 | | 5.7 | 12.2 | 100 |
| Iron | | | | 10678.2 | 10802.94 | | 6966.2 | 14390.3 | 101 |
| Lead | | | | 213.5 | 213.76 | | 170.0 | 257.0 | 100 |
| Magnesium | | | | 3064.8 | 3125.68 | | 2082.3 | 4047.3 | 102 |
| Manganese | | | | 206.4 | 214.79 | | 159.6 | 253.1 | 104 |
| Mercury | | | | 12.3 | 12.4 | | 7.8 | 16.9 | 101 |
| Nickel | | | | 11.0 | 11.69 | | 7.5 | 14.5 | 106 |
| Potassium | | | | 2230.9 | 2324.43 | | 578.0 | 3883.9 | 104 |
| Selenium | | | | 116.7 | 109.95 | | 98.4 | 135.0 | 94 |
| Silver | | | | 0.0 | 0.148 | J | 0.0 | 0.0 | 0 |
| Sodium | | | | 295.7 | 272.53 | J | 136.3 | 455.2 | 92 |
| Thallium | | | | 111.5 | 113.84 | | 85.5 | 137.6 | 102 |
| Vanadium | | | | 21.7 | 22.08 | | 8.1 | 35.4 | 102 |
| Zinc | | | | 93.8 | 87.09 | | 64.0 | 123.6 | 93 |
| Cyanide | | | | 9.6 | 8.3 | | 7.4 | 11.8 | 86 |

# 8-IN

## ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME0001L

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Matrix (soil/water) SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Aluminum | 130.75 | J | 124.57 | J | 5 | | P |
| Antimony | 60.00 | U | 300.00 | U | | | P |
| Arsenic | 15.00 | U | 75.00 | U | | | P |
| Barium | 2.02 | J | 2.02 | J | 0 | | P |
| Beryllium | 5.00 | U | 25.00 | U | | | P |
| Cadmium | 5.00 | U | 25.00 | U | | | P |
| Calcium | 94.33 | J | 94.21 | J | 0 | | P |
| Chromium | 10.00 | U | 50.00 | U | | | P |
| Cobalt | 0.33 | J | 250.00 | U | 100 | | P |
| Copper | 25.00 | U | 125.00 | U | | | P |
| Iron | | | | | 12.7 | E | P |
| Lead | 10.00 | U | 50.00 | U | | | P |
| Magnesium | 68.93 | J | 69.41 | J | 1 | | P |
| Manganese | 22.23 | | 24.25 | J | 9 | | P |
| Nickel | 40.00 | U | 200.00 | U | | | P |
| Potassium | 26.64 | J | 25000.00 | U | 100 | | P |
| Selenium | 35.00 | U | 175.00 | U | | | P |
| Silver | 10.00 | U | 50.00 | U | | | P |
| Sodium | 5000.00 | U | 25000.00 | U | | | P |
| Thallium | 25.00 | U | 125.00 | U | | | P |
| Vanadium | 0.35 | J | 250.00 | U | 100 | | P |
| Zinc | 60.00 | U | 300.00 | U | | | P |

USEPA - CLP

9-IN

# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Instrument Type: P Instrument ID: Spectro Ciros02 Date: 1/31/2003

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | 394.40 | 200 | 4.7 |
| Antimony | 206.83 | 60 | 8.7 |
| Arsenic | 189.04 | 15 | 5.4 |
| Barium | 233.53 | 200 | 0.40 |
| Beryllium | 313.11 | 5 | 0.020 |
| Cadmium | 226.50 | 5 | 0.130 |
| Calcium | 318.13 | 5000 | 14.3 |
| Chromium | 267.72 | 10 | 0.80 |
| Cobalt | 228.62 | 50 | 0.30 |
| Copper | 324.75 | 25 | 0.5 |
| Iron | 261.19 | 100 | 6.2 |
| Lead | 168.22 | 10 | 4.4 |
| Magnesium | 279.08 | 5000 | 1.4 |
| Manganese | 257.61 | 15 | 0.10 |
| Nickel | 231.60 | 40 | 1.90 |
| Potassium | 766.49 | 5000 | 15.5 |
| Selenium | 196.09 | 35 | 4.6 |
| Silver | 328.07 | 10 | 0.60 |
| Sodium | 330.24 | 5000 | 98.7 |
| Thallium | 190.86 | 25 | 5.3 |
| Vanadium | 292.40 | 50 | 0.20 |
| Zinc | 213.86 | 60 | 1.2 |

USEPA - CLP

9-IN



# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Instrument Type: P Instrument ID: Spectro Ciros02 Date: 1/31/2003

Preparation Method: HS2

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

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | 394.40 | 40 | 0.5 |
| Antimony | 206.83 | 12 | 0.87 |
| Arsenic | 189.04 | 3 | 0.54 |
| Barium | 233.53 | 40 | 0.04 |
| Beryllium | 313.11 | 1 | 0.002 |
| Cadmium | 226.50 | 1 | 0.013 |
| Calcium | 318.13 | 1000 | 1.4 |
| Chromium | 267.72 | 2 | 0.08 |
| Cobalt | 228.62 | 10 | 0.03 |
| Copper | 324.75 | 5 | 0.1 |
| Iron | 261.19 | 20 | 0.6 |
| Lead | 168.22 | 2 | 0.4 |
| Magnesium | 279.08 | 1000 | 0.1 |
| Manganese | 257.61 | 3 | 0.01 |
| Nickel | 231.60 | 8 | 0.19 |
| Potassium | 766.49 | 1000 | 1.6 |
| Selenium | 196.09 | 7 | 0.5 |
| Silver | 328.07 | 2 | 0.06 |
| Sodium | 330.24 | 1000 | 9.8 |
| Thallium | 190.86 | 5 | 0.5 |
| Vanadium | 292.40 | 10 | 0.02 |
| Zinc | 213.86 | 12 | 0.1 |

USEPA - CLP

9-IN

# METHOD DETECTION LIMITS (ANNUALLY)



Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Instrument Type: P Instrument ID: Spectro Ciros02 Date: 1/31/2003

Preparation Method: HS2

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Antimony | 206.83 | 60 | 8.7 |
| Arsenic | 189.04 | 15 | 5.4 |
| Thallium | 190.86 | 25 | 5.3 |
| Zinc | 213.86 | 60 | 1.2 |

USEPA - CLP

9-IN



# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Instrument Type: CV Instrument ID: Leeman01 Date: 11/6/2002

Preparation Method: CS1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Mercury | 253.70 | 0.20 | 0.076 |

USEPA - CLP

9-IN

# METHOD DETECTION LIMITS (ANNUALLY)

062

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Instrument Type: CV Instrument ID: Leeman01 Date: 11/6/2002

Preparation Method: CS1

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

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Mercury | 253.70 | 0.10 | 0.038 |

# USEPA - CLP

## 9-IN

## METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Instrument Type: AS Instrument ID: Astoria01 Date: 11/22/2002

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Cyanide | 578.00 | 10 | 2.00 |

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)



Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Instrument Type: AS Instrument ID: Astoria01 Date: 11/22/2002

Preparation Method: DS2

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Cyanide | 578.00 | 10 | 2.00 |

USEPA - CLP

9-IN

# METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: _____ SDG NO.: ME0001

Instrument Type: AS Instrument ID: Astoria01 Date: 11/22/2002

Preparation Method: DS2

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

| Analyte | Wave-Length /Mass | CRQL | MDL |
|---|---|---|---|
| Cyanide | 578.00 | 1 | 0.01 |

# USEPA - CLP
## 12-IN
## PREPARATION LOG

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Preparation Method: HS2

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|---|---|---|---|
| PBS01 | 4/17/2003 | 1.00 | 100 |
| LCSS01 | 4/17/2003 | 1.00 | 100 |
| ME0001 | 4/17/2003 | 1.70 | 100 |
| ME0001D | 4/17/2003 | 1.52 | 100 |
| ME0001S | 4/17/2003 | 1.67 | 100 |
| ME0002 | 4/17/2003 | 1.34 | 100 |
| ME0003 | 4/17/2003 | 1.35 | 100 |
| ME0004 | 4/17/2003 | 1.49 | 100 |
| ME0005 | 4/17/2003 | 1.10 | 100 |
| ME0005D | 4/17/2003 | 1.26 | 100 |
| ME0005S | 4/17/2003 | 1.84 | 100 |
| ME0006 | 4/17/2003 | 1.31 | 100 |
| ME0006D | 4/17/2003 | 1.66 | 100 |
| ME0006S | 4/17/2003 | 1.64 | 100 |
| ME0007 | 4/17/2003 | 1.83 | 100 |
| ME0008 | 4/17/2003 | 1.17 | 100 |
| ME0009 | 4/17/2003 | 1.30 | 100 |
| ME0010 | 4/17/2003 | 1.14 | 100 |
| ME0011 | 4/17/2003 | 1.05 | 100 |
| ME0012 | 4/17/2003 | 1.18 | 100 |
| ME0013 | 4/17/2003 | 1.21 | 100 |
| ME0014 | 4/17/2003 | 1.13 | 100 |

Comments:

USEPA - CLP

12-IN

PREPARATION LOG

072

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Preparation Method: CS1

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|---|---|---|---|
| S0 | 4/21/2003 | | 50 |
| S0.2 | 4/21/2003 | | 50 |
| S1 | 4/21/2003 | | 50 |
| S2 | 4/21/2003 | | 50 |
| S5 | 4/21/2003 | | 50 |
| S10 | 4/21/2003 | | 50 |
| ICV01 | 4/21/2003 | | 50 |
| ICB01 | 4/21/2003 | | 50 |
| CRI01 | 4/21/2003 | | 50 |
| CCV01 | 4/21/2003 | | 50 |
| CCB01 | 4/21/2003 | | 50 |
| PBS01 | 4/21/2003 | 0.20 | 100 |
| LCSS01 | 4/21/2003 | 0.20 | 100 |
| ME0001 | 4/21/2003 | 0.19 | 100 |
| ME0001D | 4/21/2003 | 0.20 | 100 |
| ME0001S | 4/21/2003 | 0.19 | 100 |
| ME0002 | 4/21/2003 | 0.20 | 100 |
| ME0003 | 4/21/2003 | 0.20 | 100 |
| ME0004 | 4/21/2003 | 0.21 | 100 |
| ME0005 | 4/21/2003 | 0.20 | 100 |
| ME0005D | 4/21/2003 | 0.21 | 100 |
| CCV02 | 4/21/2003 | | 50 |
| CCB02 | 4/21/2003 | | 50 |
| ME0005S | 4/21/2003 | 0.20 | 100 |
| ME0006 | 4/21/2003 | 0.20 | 100 |
| ME0006D | 4/21/2003 | 0.19 | 100 |
| ME0006S | 4/21/2003 | 0.19 | 100 |
| ME0007 | 4/21/2003 | 0.21 | 100 |
| ME0008 | 4/21/2003 | 0.21 | 100 |
| ME0009 | 4/21/2003 | 0.20 | 100 |
| ME0010 | 4/21/2003 | 0.21 | 100 |
| CRI02 | 4/21/2003 | | 50 |
| CCV03 | 4/21/2003 | | 50 |
| CCB03 | 4/21/2003 | | 50 |
| ME0011 | 4/21/2003 | 0.20 | 100 |

Comments:

# USEPA - CLP
## 12-IN
## PREPARATION LOG

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Preparation Method: CS1

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|---|---|---|---|
| ME0012 | 4/21/2003 | 0.21 | 100 |
| ME0013 | 4/21/2003 | 0.21 | 100 |
| ME0014 | 4/21/2003 | 0.19 | 100 |
| CRI03 | 4/21/2003 | | 50 |
| CCV04 | 4/21/2003 | | 50 |
| CCB04 | 4/21/2003 | | 50 |

Comments:

# USEPA CLP
## 12-IN
## PREPARATION LOG

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31584 NRAS No.: SDG NO.: ME0001

Preparation Method: DS2

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|---|---|---|---|
| ICV01 | 4/16/2003 | | 50 |
| MIDRANGE250 | 4/16/2003 | | 50 |
| PBS01 | 4/16/2003 | 1.00 | 50 |
| LCSS01 | 4/16/2003 | 1.00 | 50 |
| ME0001 | 4/16/2003 | 1.01 | 50 |
| ME0001D | 4/16/2003 | 1.01 | 50 |
| ME0001S | 4/16/2003 | 1.00 | 50 |
| ME0002 | 4/16/2003 | 1.01 | 50 |
| ME0003 | 4/16/2003 | 1.01 | 50 |
| ME0004 | 4/16/2003 | 1.00 | 50 |
| ME0005 | 4/16/2003 | 1.01 | 50 |
| ME0005D | 4/16/2003 | 1.00 | 50 |
| ME0005S | 4/16/2003 | 1.01 | 50 |
| ME0006 | 4/16/2003 | 1.01 | 50 |
| ME0006D | 4/16/2003 | 1.01 | 50 |
| ME0006S | 4/16/2003 | 1.00 | 50 |
| ME0007 | 4/16/2003 | 1.01 | 50 |
| ME0008 | 4/16/2003 | 1.01 | 50 |
| ME0009 | 4/16/2003 | 1.01 | 50 |
| ME0010 | 4/16/2003 | 0.99 | 50 |
| ME0011 | 4/16/2003 | 1.01 | 50 |
| ME0012 | 4/16/2003 | 1.01 | 50 |
| ME0013 | 4/16/2003 | 1.01 | 50 |
| ME0014 | 4/16/2003 | 1.01 | 50 |

Comments:

DATE: May 5, 2003

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Plot M. Palos Forest Preserve (Argonne)

| CASE NO. | LAB | NO. OF SAMPLES | SDG | MATRIX |
|---|---|---|---|---|
| 31584 | Ceimic | 6 | E0028 | Water |

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

RECEIVED
MAY 1 2 2003
IEPA-DCL-FOS

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**REGION V**
**SUPERFUND DIVISION**

DATE: _____

SUBJECT: **Electronic (Level 2) Review of Data**

Received for Review on April 30, 2003

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

**The following data has been electronically reviewed by CADRE. No review of the raw data, laboratory narrative, laboratory forms or chain-of-custody forms was performed.**

SITE NAME: Plot M. Palos Forest Preserve (Argonne) (IL)

CASE NUMBER: 31584 SDG NUMBER: E0028

Number and Type of Samples: 6 (waters)

Sample Numbers: E0028 through E0033

Laboratory: Ceimic Hrs. for Review: _____

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

**Case Number : 31584** **SDG Number: E0028**
**S Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Six (6) water samples, numbered E0028 through E0033, were collected on April 10th, 2003. The lab received the samples on April 12th, 2003 in good condition. Three samples E0030, E0031 and E0032 were analyzed for the full list of organic analytes. Samples E0028 and E0029 were analyzed only for the volatile and semivolatile list of organic analytes. Sample E0033 was analyzed only for the volatile list of organic analytes. All were analyzed according to CLP SOW OLM04.3.

**Case Number : 31584** **SDG Number: E0028**
**Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

## 1. HOLDING TIME

No defects found.

## 2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

## 3. CALIBRATION

**Qualification: Calibrations** **Protocol: VOA**

DC-5 The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

**1,2-Dibromo-3-chloropropane**
E0028, E0029, E0030, E0031, E0031MS, E0031MSD, E0032, E0033, VBLKPC, VBLKPZ, VBLKQF, VHBLK01

DC-7 The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

**Methyl tert-Butyl Ether**
E0031, VBLKPC, VBLKPZ, VHBLK01

DC-8 The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

**Dichlorodifluoromethane, Chloromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Acetone, Carbon Disulfide, Methyl Acetate, 2-Butanone, 4-Methyl-2-pentanone, 2-Hexanone, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane**
E0028, E0029, E0030, E0031MS, E0031MSD, E0032, E0033, VBLKQF

**Chloroethane**
VBLKPC, VHBLK01

**Methyl tert-Butyl Ether**
E0028, E0029, E0030, E0031, E0031MS, E0031MSD, E0032, E0033, VBLKPZ, VBLKQF

DC-9 The following volatile samples are associated with a continuing calibration relative response factor (RRF5) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

**Case Number : 31584** **SDG Number: E0028**
**Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

**1,2-Dibromo-3-chloropropane**
E0028, E0029, E0030, E0031MS, E0031MSD, E0032, E0033, VBLKQF

**Qualification: Calibrations** **Protocol: BNA**

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

**Caprolactam, 2,4-Dinitrophenol, Atrazine**
E0028, E0029, E0030, E0031, E0031MS, E0031MSD, E0032, SBLKKS

## 4. BLANKS

**Qualification: Laboratory Blanks** **Protocol: BNA**

DC-6 The following semivolatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" and non-detects are not flagged.

**bis(2-Ethylhexyl)phthalate**
E0031

DC-9 The following semivolatile samples have analyte concentrations reported below the CRQL and less than or equal to five times (5X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are flagged "U" and non-detects are not flagged.

**Naphthalene**
E0031MSD

DC-10 The following semivolatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

**bis(2-Ethylhexyl)phthalate**
E0028, E0031MSD, E0032

## 5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No defects found.

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

**Case Number : 31584** **SDG Number: E0028**
**Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

**Qualification: Matrix Spikes** **Protocol: BNA**

DC-2 The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Results for the outlier compound(s) in the unspiked sample E0031 are estimated, "J" and non-detects are estimated, "UJ".

**E0031MS, E0031MSD**
4-Nitrophenol

**Qualification: Matrix Spikes** **Protocol: PES**

DC-1 The relative percent difference (RPD) between the following pesticide matrix spike and matrix spike duplicate recoveries is outside criteria. Results for the outlier compound(s) in the unspiked sample E0031 are estimated, "J" and non-detects are estimated, "UJ".

**E0031MS, E0031MSD**
gamma-BHC (Lindane), Heptachlor, Aldrin, Dieldrin

## 7. FIELD BLANK AND FIELD DUPLICATE

Sample E0032 is a field blank. Sample E0033 is a trip blank. Sample E0031 may be a field duplicate of sample E0030. Results are not qualified based upon the results of the field blank or field duplicates.

## 8. INTERNAL STANDARDS

No defects found.

## 9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

## 10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

**Qualification: Detection Limit** **Protocol: VOA**

DC-1 The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

**E0028**
Cyclohexane, Benzene, Ethylbenzene

**Case Number : 31584** **SDG Number: E0028**
**Name: Plot M. Palos Forest Preserve (Argonne) (IL)** **Laboratory: Ceimic**

**VBLKPC, VHBLK01**
Acetone

**VBLKPZ**
Acetone, Methylene Chloride

**Qualification: Detection Limit** **Protocol: BNA**

DC-1 The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL All results below the CRQL are qualified "J".

**SBLKKS**
Naphthalene

## 11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

## 12. ADDITIONAL INFORMATION

**Qualification: CADRE Reserved** **Protocol: VOA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

**E0028, E0029, E0030, E0031, E0031MS, E0031MSD, E0032, E0033, VBLKPC, VBLKPZ, VBLKQF, VHBLK01**

**Qualification: CADRE Reserved** **Protocol: BNA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

**E0028, E0029, E0030, E0031, E0031MS, E0031MSD, E0032, SBLKKS**

**Qualification: CADRE Reserved** **Protocol: PES**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

**E0030, E0031, E0031MS, E0031MSD, E0032, PBLK01**

| Qualifiers | Data Qualifier Definitions |
|---|---|
| U | The analyte was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample. |
| UJ | The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample. |
| N | The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification. |
| NJ | The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration. |
| R | The data are unusable. (The compound may or may not be present) |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

Number of Soil Samples . 0
Number of Water Samples : 6

| Sample Number : | E0028 | | E0029 | | E0030 | | E0031 | | E0031MS | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G101 | | G102 | | G103 | | G104 | | G104 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | |
| Time Sampled : | 09:15 | | 09:00 | | 10:30 | | 10:30 | | 10:30 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| CHLOROMETHANE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| VINYL CHLORIDE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMOMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TRICHLOROFLUOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1-DICHLOROETHENE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 42 | J |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| ACETONE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| CARBON DISULFIDE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| METHYL ACETATE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| METHYLENE CHLORIDE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYL TERT-BUTYL ETHER | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ |
| 1,1-DICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CIS-1,2-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 2-BUTANONE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| CHLOROFORM | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,1-TRICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CYCLOHEXANE | 2 | J | 10 | U | 10 | U | 10 | U | 10 | U |
| CARBON TETRACHLORIDE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BENZENE | 5 | J | 10 | U | 10 | U | 10 | U | 53 | |
| 1,2-DICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TRICHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 54 | |
| METHYLCYCLOHEXANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROPROPANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMODICHLOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CIS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 4-METHYL-2-PENTANONE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| TOLUENE | 10 | U | 10 | U | 10 | U | 10 | U | 59 | |
| TRANS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2-TRICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TETRACHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0028 | | E0029 | | E0030 | | E0031 | | E0031MS | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G101 | | G102 | | G103 | | G104 | | G104 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | |
| Time Sampled : | 09:15 | | 09:00 | | 10:30 | | 10:30 | | 10:30 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| DIBROMOCHLOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DIBROMOETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 59 | |
| ETHYLBENZENE | 4 | J | 10 | U | 10 | U | 10 | U | 10 | U |
| XYLENES (TOTAL) | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| STYRENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMOFORM | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| ISOPROPYLBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2,2-TETRACHLOROETHANE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | UJ |
| 1,3-DICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,4-DICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 10 | R | 10 | R | 10 | R | 10 | R | 10 | R |
| 1,2,4-TRICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0031MSD | | E0032 | | E0033 | | VBLKPC | | VBLKPZ | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G104 | | FB | | TB | | | | | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | | | | |
| Time Sampled : | 10:30 | | 10:40 | | 10:40 | | | | | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| CHLOROMETHANE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| VINYL CHLORIDE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMOMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | UJ | 10 | U |
| TRICHLOROFLUOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1-DICHLOROETHENE | 42 | J | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| ACETONE | 10 | UJ | 10 | UJ | 10 | UJ | 1 | J | 2 | J |
| CARBON DISULFIDE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| METHYL ACETATE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| METHYLENE CHLORIDE | 10 | U | 10 | U | 10 | U | 10 | U | 1 | J |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYL TERT-BUTYL ETHER | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ |
| 1,1-DICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CIS-1,2-DICHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 2-BUTANONE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| CHLOROFORM | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,1-TRICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CYCLOHEXANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CARBON TETRACHLORIDE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BENZENE | 55 | | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TRICHLOROETHENE | 56 | | 10 | U | 10 | U | 10 | U | 10 | U |
| METHYLCYCLOHEXANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROPROPANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMODICHLOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CIS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 4-METHYL-2-PENTANONE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| TOLUENE | 60 | | 10 | U | 10 | U | 10 | U | 10 | U |
| TRANS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2-TRICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TETRACHLOROETHENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0031MSD | | E0032 | | E0033 | | VBLKPC | | VBLKPZ | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G104 | | FB | | TB | | | | | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | | | | |
| Time Sampled : | 10:30 | | 10:40 | | 10:40 | | | | | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| DIBROMOCHLOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DIBROMOETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CHLOROBENZENE | 60 | | 10 | U | 10 | U | 10 | U | 10 | U |
| ETHYLBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| XYLENES (TOTAL) | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| STYRENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| BROMOFORM | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| ISOPROPYLBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,1,2,2-TETRACHLOROETHANE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | U | 10 | U |
| 1,3-DICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,4-DICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 10 | R | 10 | R | 10 | R | 10 | R | 10 | R |
| 1,2,4-TRICHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | VBLKQF | | VHBLK01 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Water | | Water | | | | | | | |
| Units : | ug/L | | ug/L | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | N/A | | | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | | | | | | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 10 | UJ | 10 | U | | | | | | |
| CHLOROMETHANE | 10 | UJ | 10 | U | | | | | | |
| VINYL CHLORIDE | 10 | U | 10 | U | | | | | | |
| BROMOMETHANE | 10 | U | 10 | U | | | | | | |
| CHLOROETHANE | 10 | U | 10 | UJ | | | | | | |
| TRICHLOROFLUOROMETHANE | 10 | U | 10 | U | | | | | | |
| 1,1-DICHLOROETHENE | 10 | UJ | 10 | U | | | | | | |
| 1 1,2-TRICHLORO-1,2,2-TRIFLUORO | 10 | UJ | 10 | U | | | | | | |
| ACETONE | 10 | UJ | 2 | J | | | | | | |
| CARBON DISULFIDE | 10 | UJ | 10 | U | | | | | | |
| METHYL ACETATE | 10 | UJ | 10 | U | | | | | | |
| METHYLENE CHLORIDE | 10 | U | 10 | U | | | | | | |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 10 | U | | | | | | |
| METHYL TERT-BUTYL ETHER | 10 | UJ | 10 | UJ | | | | | | |
| 1,1-DICHLOROETHANE | 10 | U | 10 | U | | | | | | |
| CIS-1,2-DICHLOROETHENE | 10 | U | 10 | U | | | | | | |
| 2-BUTANONE | 10 | UJ | 10 | U | | | | | | |
| CHLOROFORM | 10 | U | 10 | U | | | | | | |
| 1,1,1-TRICHLOROETHANE | 10 | U | 10 | U | | | | | | |
| CYCLOHEXANE | 10 | U | 10 | U | | | | | | |
| CARBON TETRACHLORIDE | 10 | U | 10 | U | | | | | | |
| BENZENE | 10 | U | 10 | U | | | | | | |
| 1,2-DICHLOROETHANE | 10 | U | 10 | U | | | | | | |
| TRICHLOROETHENE | 10 | U | 10 | U | | | | | | |
| METHYLCYCLOHEXANE | 10 | U | 10 | U | | | | | | |
| 1,2-DICHLOROPROPANE | 10 | U | 10 | U | | | | | | |
| BROMODICHLOROMETHANE | 10 | U | 10 | U | | | | | | |
| CIS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | | | | | | |
| 4-METHYL-2-PENTANONE | 10 | UJ | 10 | U | | | | | | |
| TOLUENE | 10 | U | 10 | U | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 10 | U | 10 | U | | | | | | |
| 1,1,2-TRICHLOROETHANE | 10 | U | 10 | U | | | | | | |
| TETRACHLOROETHENE | 10 | U | 10 | U | | | | | | |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | VBLKQF | | VHBLK01 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Water | | Water | | | | | | | |
| Units : | ug/L | | ug/L | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | N/A | | | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | | | | | | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 10 | UJ | 10 | U | | | | | | |
| DIBROMOCHLOROMETHANE | 10 | U | 10 | U | | | | | | |
| 1,2-DIBROMOETHANE | 10 | U | 10 | U | | | | | | |
| CHLOROBENZENE | 10 | U | 10 | U | | | | | | |
| ETHYLBENZENE | 10 | U | 10 | U | | | | | | |
| XYLENES (TOTAL) | 10 | U | 10 | U | | | | | | |
| STYRENE | 10 | U | 10 | U | | | | | | |
| BROMOFORM | 10 | U | 10 | U | | | | | | |
| ISOPROPYLBENZENE | 10 | U | 10 | U | | | | | | |
| 1,1,2,2-TETRACHLOROETHANE | 10 | UJ | 10 | U | | | | | | |
| 1,3-DICHLOROBENZENE | 10 | U | 10 | U | | | | | | |
| 1,4-DICHLOROBENZENE | 10 | U | 10 | U | | | | | | |
| 1,2-DICHLOROBENZENE | 10 | U | 10 | U | | | | | | |
| 1,2-DIBROMO-3-CHLOROPROPANE | 10 | R | 10 | R | | | | | | |
| 1,2,4-TRICHLOROBENZENE | 10 | U | 10 | U | | | | | | |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab : CEIMIC
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 5

| Sample Number : | E0028 | | E0029 | | E0030 | | E0031 | | E0031MS | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G101 | | G102 | | G103 | | G104 | | G104 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | |
| Time Sampled : | 09:15 | | 09:00 | | 10:30 | | 10:30 | | 10:30 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| PHENOL | 10 | U | 10 | U | 10 | U | 10 | U | 120 | |
| BIS-(2-CHLOROETHYL)ETHER | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2-CHLOROPHENOL | 10 | U | 10 | U | 10 | U | 10 | U | 110 | |
| 2-METHYLPHENOL | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| ACETOPHENONE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 4-METHYLPHENOL | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| N-NITROSO-DI-N PROPYLAMINE | 10 | U | 10 | U | 10 | U | 10 | U | 66 | |
| HEXACHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| NITROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| ISOPHORONE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2-NITROPHENOL | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2,4-DIMETHYLPHENOL | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| BIS(2-CHLOROETHOXY)METHANE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2,4-DICHLOROPHENOL | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| NAPHTHALENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 4-CHLOROANILINE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| HEXACHLOROBUTADIENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| CAPROLACTAM | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 20 | UJ |
| 4-CHLORO-3-METHYLPHENOL | 10 | U | 10 | U | 10 | U | 10 | U | 140 | |
| 2-METHYLNAPHTHALENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| HEXACHLOROCYCLO-PENTADIEN | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2,4,6-TRICHLOROPHENOL | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2,4,5-TRICHLOROPHENOL | 25 | U | 25 | U | 25 | U | 25 | U | 50 | U |
| 1,1'-BIPHENYL | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2-CHLORONAPHTHALENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2-NITROANILINE | 25 | U | 25 | U | 25 | U | 25 | U | 50 | U |
| DIMETHYLPHTHALATE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2,6-DINITROTOLUENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| ACENAPHTHYLENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 3-NITROANILINE | 25 | U | 25 | U | 25 | U | 25 | U | 50 | U |
| ACENAPHTHENE | 10 | U | 10 | U | 10 | U | 10 | U | 84 | |

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## Analytical Results (Qualified Data)

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0028 | | E0029 | | E0030 | | E0031 | | E0031MS | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G101 | | G102 | | G103 | | G104 | | G104 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | |
| Time Sampled : | 09:15 | | 09:00 | | 10:30 | | 10:30 | | 10:30 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 50 | UJ |
| 4-NITROPHENOL | 25 | U | 25 | U | 25 | U | 25 | UJ | 130 | |
| DIBENZOFURAN | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2,4-DINITROTOLUENE | 10 | U | 10 | U | 10 | U | 10 | U | 89 | |
| DIETHYLPHTHALATE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| FLUORENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 4-CHLOROPHENYL-PHENYL ETHER | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 4-NITROANILINE | 25 | U | 25 | U | 25 | U | 25 | U | 50 | U |
| 4,6-DINITRO-2-METHYLPHENOL | 25 | U | 25 | U | 25 | U | 25 | U | 50 | U |
| N-NITROSO DIPHENYLAMINE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 4-BROMOPHENYL-PHENYLETHER | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| HEXACHLOROBENZENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| ATRAZINE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 20 | UJ |
| PENTACHLOROPHENOL | 25 | U | 25 | U | 25 | U | 25 | U | 150 | |
| PHENANTHRENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| ANTHRACENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| CARBAZOLE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| DI-N-BUTYLPHTHALATE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| FLUORANTHENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| PYRENE | 10 | U | 10 | U | 10 | U | 10 | U | 94 | |
| BUTYLBENZYLPHTHALATE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 3,3'-DICHLOROBENZIDINE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| BENZO(A)ANTHRACENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| CHRYSENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 10 | UJ | 10 | U | 10 | U | 22 | U | 1900 | |
| DI-N-OCTYLPHTHALATE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| BENZO(B)FLUORANTHENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| BENZO(K)FLUORANTHENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| BENZO(A)PYRENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| INDENO(1,2,3-CD)-PYRENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| DIBENZO(A,H)-ANTHRACENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| BENZO(G,H,I)PERYLENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0031MSD | | E0032 | | SBLKKS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G104 | | FB | | | | | | | |
| Matrix : | Water | | Water | | Water | | | | | |
| Units : | ug/L | | ug/L | | ug/L | | | | | |
| Date Sampled : | 04/10/2003 | | 04/10/2003 | | | | | | | |
| Time Sampled : | 10:30 | | 10:40 | | | | | | | |
| %Moisture : | N/A | | N/A | | N/A | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 20 | U | 10 | U | 10 | U | | | | |
| PHENOL | 110 | | 10 | U | 10 | U | | | | |
| BIS-(2-CHLOROETHYL)ETHER | 20 | U | 10 | U | 10 | U | | | | |
| 2-CHLOROPHENOL | 110 | | 10 | U | 10 | U | | | | |
| 2-METHYLPHENOL | 20 | U | 10 | U | 10 | U | | | | |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 20 | U | 10 | U | 10 | U | | | | |
| ACETOPHENONE | 20 | U | 10 | U | 10 | U | | | | |
| 4-METHYLPHENOL | 20 | U | 10 | U | 10 | U | | | | |
| N-NITROSO-DI-N PROPYLAMINE | 62 | | 10 | U | 10 | U | | | | |
| HEXACHLOROETHANE | 20 | U | 10 | U | 10 | U | | | | |
| NITROBENZENE | 20 | U | 10 | U | 10 | U | | | | |
| ISOPHORONE | 20 | U | 10 | U | 10 | U | | | | |
| 2-NITROPHENOL | 20 | U | 10 | U | 10 | U | | | | |
| 2 4-DIMETHYLPHENOL | 20 | U | 10 | U | 10 | U | | | | |
| BIS(2-CHLOROETHOXY)METHANE | 20 | U | 10 | U | 10 | U | | | | |
| 2,4-DICHLOROPHENOL | 20 | U | 10 | U | 10 | U | | | | |
| NAPHTHALENE | 20 | UJ | 10 | U | 2 | J | | | | |
| 4-CHLOROANILINE | 20 | U | 10 | U | 10 | U | | | | |
| HEXACHLOROBUTADIENE | 20 | U | 10 | U | 10 | U | | | | |
| CAPROLACTAM | 20 | UJ | 10 | UJ | 10 | UJ | | | | |
| 4-CHLORO-3-METHYLPHENOL | 130 | | 10 | U | 10 | U | | | | |
| 2-METHYLNAPHTHALENE | 20 | U | 10 | U | 10 | U | | | | |
| HEXACHLOROCYCLO-PENTADIEN | 20 | U | 10 | U | 10 | U | | | | |
| 2,4,6-TRICHLOROPHENOL | 20 | U | 10 | U | 10 | U | | | | |
| 2,4,5-TRICHLOROPHENOL | 50 | U | 25 | U | 25 | U | | | | |
| 1,1'-BIPHENYL | 20 | U | 10 | U | 10 | U | | | | |
| 2-CHLORONAPHTHALENE | 20 | U | 10 | U | 10 | U | | | | |
| 2-NITROANILINE | 50 | U | 25 | U | 25 | U | | | | |
| DIMETHYLPHTHALATE | 20 | U | 10 | U | 10 | U | | | | |
| 2,6-DINITROTOLUENE | 20 | U | 10 | U | 10 | U | | | | |
| ACENAPHTHYLENE | 20 | U | 10 | U | 10 | U | | | | |
| 3-NITROANILINE | 50 | U | 25 | U | 25 | U | | | | |
| ACENAPHTHENE | 82 | | 10 | U | 10 | U | | | | |

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**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| Sample Number : | E0031MSD | | E0032 | | SBLKKS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G104 | | FB | | | | | | | |
| Matrix : | Water | | Water | | Water | | | | | |
| Units : | ug/L | | ug/L | | ug/L | | | | | |
| Date Sampled : | 04/10/2003 | | 04/10/2003 | | | | | | | |
| Time Sampled : | 10:30 | | 10:40 | | | | | | | |
| %Moisture : | N/A | | N/A | | N/A | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 50 | UJ | 25 | UJ | 25 | UJ | | | | |
| 4-NITROPHENOL | 130 | | 25 | U | 25 | U | | | | |
| DIBENZOFURAN | 20 | U | 10 | U | 10 | U | | | | |
| 2,4-DINITROTOLUENE | 86 | | 10 | U | 10 | U | | | | |
| DIETHYLPHTHALATE | 20 | U | 10 | U | 10 | U | | | | |
| FLUORENE | 20 | U | 10 | U | 10 | U | | | | |
| 4-CHLOROPHENYL-PHENYL ETHER | 20 | U | 10 | U | 10 | U | | | | |
| 4-NITROANILINE | 50 | U | 25 | U | 25 | U | | | | |
| 4,6-DINITRO-2-METHYLPHENOL | 50 | U | 25 | U | 25 | U | | | | |
| N-NITROSO DIPHENYLAMINE | 20 | U | 10 | U | 10 | U | | | | |
| 4-BROMOPHENYL-PHENYLETHER | 20 | U | 10 | U | 10 | U | | | | |
| HEXACHLOROBENZENE | 20 | U | 10 | U | 10 | U | | | | |
| ATRAZINE | 20 | UJ | 10 | UJ | 10 | UJ | | | | |
| PENTACHLOROPHENOL | 150 | | 25 | U | 25 | U | | | | |
| PHENANTHRENE | 20 | U | 10 | U | 10 | U | | | | |
| ANTHRACENE | 20 | U | 10 | U | 10 | U | | | | |
| CARBAZOLE | 20 | U | 10 | U | 10 | U | | | | |
| DI-N-BUTYLPHTHALATE | 20 | U | 10 | U | 10 | U | | | | |
| FLUORANTHENE | 20 | U | 10 | U | 10 | U | | | | |
| PYRENE | 92 | | 10 | U | 10 | U | | | | |
| BUTYLBENZYLPHTHALATE | 20 | U | 10 | U | 10 | U | | | | |
| 3,3'-DICHLOROBENZIDINE | 20 | U | 10 | U | 10 | U | | | | |
| BENZO(A)ANTHRACENE | 20 | U | 10 | U | 10 | U | | | | |
| CHRYSENE | 20 | U | 10 | U | 10 | U | | | | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 20 | UJ | 10 | UJ | 17 | | | | | |
| DI-N-OCTYLPHTHALATE | 20 | U | 10 | U | 10 | U | | | | |
| BENZO(B)FLUORANTHENE | 20 | U | 10 | U | 10 | U | | | | |
| BENZO(K)FLUORANTHENE | 20 | U | 10 | U | 10 | U | | | | |
| BENZO(A)PYRENE | 20 | U | 10 | U | 10 | U | | | | |
| INDENO(1,2,3-CD)-PYRENE | 20 | U | 10 | U | 10 | U | | | | |
| DIBENZO(A,H)-ANTHRACENE | 20 | U | 10 | U | 10 | U | | | | |
| BENZO(G,H,I)PERYLENE | 20 | U | 10 | U | 10 | U | | | | |

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 3

| Sample Number : | E0030 | | E0031 | | E0031MS | | E0031MSD | | E0032 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G103 | | G104 | | G104 | | G104 | | FB | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | | 04/10/2003 | |
| Time Sampled : | 10:30 | | 10:30 | | 10:30 | | 10:30 | | 10:40 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 0.050 | U | 0.050 | U | 0.10 | U | 0.10 | U | 0.050 | U |
| BETA-BHC | 0.050 | U | 0.050 | U | 0.10 | U | 0.10 | U | 0.050 | U |
| DELTA-BHC | 0.050 | U | 0.050 | U | 0.10 | U | 0.10 | U | 0.050 | U |
| GAMMA-BHC (LINDANE) | 0.050 | U | 0.050 | UJ | 0.59 | | 0.87 | | 0.050 | U |
| HEPTACHLOR | 0.050 | U | 0.050 | UJ | 0.64 | | 0.89 | | 0.050 | U |
| ALDRIN | 0.050 | U | 0.050 | UJ | 0.63 | | 0.88 | | 0.050 | U |
| HEPTACHLOR EPOXIDE | 0.050 | U | 0.050 | U | 0.10 | U | 0.10 | U | 0.050 | U |
| ENDOSU1FAN I | 0.050 | U | 0.050 | U | 0.10 | U | 0.10 | U | 0.050 | U |
| DIELDRIN | 0.10 | U | 0.10 | UJ | 1.5 | | 1.9 | | 0.10 | U |
| 4,4'-DDE | 0.10 | U | 0.10 | U | 0.20 | U | 0.20 | U | 0.10 | U |
| ENDRIN | 0.10 | U | 0.10 | U | 1.7 | | 2.1 | | 0.10 | U |
| ENDOSULFAN II | 0.10 | U | 0.10 | U | 0.20 | U | 0.20 | U | 0.10 | U |
| 4,4'-DDD | 0.10 | U | 0.10 | U | 0.20 | U | 0.20 | U | 0.10 | U |
| ENDOSULFAN SULFATE | 0.10 | U | 0.10 | U | 0.20 | U | 0.20 | U | 0.10 | U |
| 4,4'-DDT | 0.10 | U | 0.10 | U | 1.6 | | 1.7 | | 0.10 | U |
| 1ETHOXYCHLOR | 0.50 | U | 0.50 | U | 1.0 | U | 1.0 | U | 0.50 | U |
| ENDRIN KETONE | 0.10 | U | 0.10 | U | 0.20 | U | 0.20 | U | 0.10 | U |
| ENDRIN ALDEHYDE | 0.10 | U | 0.10 | U | 0.20 | U | 0.20 | U | 0.10 | U |
| ALPHA-CHLORDANE | 0.050 | U | 0.050 | U | 0.10 | U | 0.10 | U | 0.050 | U |
| GAMMA-CHLORDANE | 0.050 | U | 0.050 | U | 0.10 | U | 0.10 | U | 0.050 | U |
| TOXAPHENE | 5.0 | U | 5.0 | U | 10 | U | 10 | U | 5.0 | U |
| AROCLOR-1016 | 1.0 | U | 1.0 | U | 2.0 | U | 2.0 | U | 1.0 | U |
| AROCLOR-1221 | 2.0 | U | 2.0 | U | 4.0 | U | 4.0 | U | 2.0 | U |
| AROCLOR-1232 | 1.0 | U | 1.0 | U | 2.0 | U | 2.0 | U | 1.0 | U |
| AROCLOR-1242 | 1.0 | U | 1.0 | U | 2.0 | U | 2.0 | U | 1.0 | U |
| AROCLOR-1248 | 1.0 | U | 1.0 | U | 2.0 | U | 2.0 | U | 1.0 | U |
| AROCLOR-1254 | 1.0 | U | 1.0 | U | 2.0 | U | 2.0 | U | 1.0 | U |
| AROCLOR-1260 | 1.0 | U | 1.0 | U | 2.0 | U | 2.0 | U | 1.0 | U |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

**Analytical Results (Qualified Data)**

Case #: 31584 SDG : E0028
Site : ARGONNE PLOT M
Lab. : CEIMIC
Reviewer :
Date :

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number : | PBLK01 | | | | | | | | | |
| Sampling Location : | | | | | | | | | | |
| Matrix : | Water | | | | | | | | | |
| Units : | ug/L | | | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | | | | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | | | | | | | | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 0.050 | U | | | | | | | | |
| BETA-BHC | 0.050 | U | | | | | | | | |
| DELTA-BHC | 0.050 | U | | | | | | | | |
| GAMMA-BHC (LINDANE) | 0.050 | U | | | | | | | | |
| HEPTACHLOR | 0.050 | U | | | | | | | | |
| ALDRIN | 0.050 | U | | | | | | | | |
| HEPTACHLOR EPOXIDE | 0.050 | U | | | | | | | | |
| ENDOSU1FAN I | 0.050 | U | | | | | | | | |
| DIELDRIN | 0.10 | U | | | | | | | | |
| 4,4'-DDE | 0.10 | U | | | | | | | | |
| ENDRIN | 0.10 | U | | | | | | | | |
| ENDOSULFAN II | 0.10 | U | | | | | | | | |
| 4,4'-DDD | 0.10 | U | | | | | | | | |
| ENDOSULFAN SULFATE | 0.10 | U | | | | | | | | |
| 4,4'-DDT | 0.10 | U | | | | | | | | |
| METHOXYCHLOR | 0.50 | U | | | | | | | | |
| ENDRIN KETONE | 0.10 | U | | | | | | | | |
| ENDRIN ALDEHYDE | 0.10 | U | | | | | | | | |
| ALPHA-CHLORDANE | 0.050 | U | | | | | | | | |
| GAMMA-CHLORDANE | 0.050 | U | | | | | | | | |
| TOXAPHENE | 5.0 | U | | | | | | | | |
| AROCLOR-1016 | 1.0 | U | | | | | | | | |
| AROCLOR-1221 | 2.0 | U | | | | | | | | |
| AROCLOR-1232 | 1.0 | U | | | | | | | | |
| AROCLOR-1242 | 1.0 | U | | | | | | | | |
| AROCLOR-1248 | 1.0 | U | | | | | | | | |
| AROCLOR-1254 | 1.0 | U | | | | | | | | |
| AROCLOR-1260 | 1.0 | U | | | | | | | | |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 4-30-03

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: PLOT M. PALOS FOREST PRESERVE (ARGONNE) (IL)

CASE NUMBER: 31584 SDG NUMBER: E0028

Number and Type of Samples: 6 (WATER)

Sample Numbers: E0028-33

Laboratory: CEIMIC Hrs for Review:

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

# SAMPLE DELIVERY GROUP (SDG)
# TRAFFIC REPORT (TR) COVERSHEET

**Lab Name:** Ceimic Corporation **Lab Code:** CEIMIC

**Case No.:** 31584 **Bid Lot:** A

**Contract No:** 68-W-03-018 **Full Sample Analysis Price:** $264.00

---

**First Sample in SDG:** E0028 **Sample Receipt Date:** 4/12/2003

*(Lowest EPA Sample Number in the first shipment of samples received under SDG.)*

**Last Sample in SDG:** E0033 **Sample Receipt Date:** 4/12/2003

*(Highest EPA Sample Number in the last shipment of samples received under SDG.)*

---

EPA Sample Numbers in the SDG (listed in alphanumeric order by date received)

| | |
|---|---|
| **1.** E0028 | **11.** |
| **2.** E0029 | **12.** |
| **3.** E0030 | **13.** |
| **4.** E0031 | **14.** |
| **5.** E0032 | **15.** |
| **6.** E0033 | **16.** |
| **7.** | **17.** |
| **8.** | **18.** |
| **9.** | **19.** |
| **10.** | **20.** |

*Note: There are a maximum of 20 field samples in an SDG.*

Attach Traffic Reports to this form in alphanumeric order by date received.
(i.e. The order listed on this form)

Jessica Robinson
Signature

4/28/03
Date

# USEPA Contract Laboratory Program
## Organic Traffic Report & Chain of Custody Record

Case No: 31584
DAS No:
SDG No: E0028

L

| | |
|---|---|
| Date Shipped: | 4/11/03 |
| Carrier Name: | UPS |
| Airbill: | 1Z62158 9221002 2680 |
| Shipped to: | Ceimic Corporation<br>10 Dean Knauss Drive<br>Narragansett RI 02882<br>(401) 782-8900 |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 Lynn L Rey | 4/11/03 1000 | Elizabeth Astring | 4/12/03 10:00 |
| 2 EA | | | |
| 3 | | 4/12/03 | |
| 4 | | | |

Sampler Signature:

**For Lab Use Only**

Lab Contract No: 68W03018
Unit Price: A
Transfer To: EA 4/12/03
Lab Contract No:
Unit Price:

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| E0028 | Ground Water/ Lance Range | | BNA (21), VOA (21) | 5-28011 (Ice Only), 5-28012 (HCL), 5-28013 (HCL) (3) | G101 | S: 4/10/03 | 9:15 | | |
| E0029 | Ground Water/ Lance Range | | BNA (21), VOA (21) | 5-28014 (Ice Only), 5-28015 (HCL), 5-28016 (HCL) (3) | G102 | S: 4/10/03 | 9:00 | | |
| E0030 | Ground Water/ Lance Range | | BNA (21), PEST (21), VOA (21) | 5-28019 (HCL), 5-28020 (HCL), 5-28021 (Ice Only), 5-28030 (Ice Only) (4) | G103 | S: 4/10/03 | 10:30 | ME0030 | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete? Y | Sample(s) to be used for laboratory QC: E0030 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: EA 4/12/03 | Chain of Custody Seal Number: 81184 |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? ✓ Shipment Iced? ✓ |

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

**TR Number: 5-414630194-041103-0010**

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

# USEPA Contract Laboratory Program
# Organic Traffic Report & Chain of Custody Record

| | |
|---|---|
| Case No: | 31584 |
| DAS No: | EA 4/12/03 |
| SDG No: | E001528 |

L

| | |
|---|---|
| Date Shipped: | 4/11/03 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210022671 |
| Shipped to: | Ceimic Corporation<br>10 Dean Knauss Drive<br>Narragansett RI 02882<br>(401) 782-8900 |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 Lisa L Ring | 4/11/03 1000 | Elizabeth Astring | 4/12/03 10:00 |
| 2 EA | | | |
| 3 | | 4/12/03 | |
| 4 | | | |

Sampler Signature:

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W03018 |
| Unit Price: | A |
| Transfer To: | EA 4/12/03 |
| Lab Contract No: | |
| Unit Price: | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| E0031 | Ground Water/ Lance Range | | BNA (21), PEST (21), VOA (21) | 5-28025 (Ice Only), 5-28026 (Ice Only), 5-28027 (HCL), 5-28028 (HCL) (4) | G104 | S: 4/10/03 | 10:30 | ME0031 | |
| E0032 | Field QC/ Lance Range | /G | BNA (21), PEST (21), VOA (21) | 5-28033 (Ice Only), 5-28034 (Ice Only), 5-28035 (HCL), 5-28036 (HCL) (4) | FB | S: 4/10/03 | 10:40 | ME0032 | |
| E0033 | Field QC/ Lance Range | | VOA (21) | 5-28038 (HCL), 5-28039 (HCL) (2) | TB | S: 4/10/03 | 10:40 | | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete? Y | Sample(s) to be used for laboratory QC: E0031 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: A 4/12/03 | Chain of Custody Seal Number: 81187 |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? ✓ Shipment Iced? ✓ |

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

**TR Number: 5-414630194-041103-0009**

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

APR 3 0 2003

## SDG Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 31584, SDG No. E0028, Contract No. 68-W-03-018. Under this SDG there are 8 VOA, 7 SVOA and 5 Pest/PCB analyses for 6 water samples received at Ceimic Corporation on April 12, 2003.

| EPA ID: | CEIMIC ID: | Analysis |
|---|---|---|
| E0031 | 030390-01 | VOA, SVOA, Pest/PCB |
| E0031ms | 030390-01ms | VOA, SVOA, Pest/PCB |
| E0031msd | 030390-01msd | VOA, SVOA, Pest/PCB |
| E0032 | 030390-02 | VOA, SVOA, Pest/PCB |
| E0033 | 030390-03 | VOA |
| E0028 | 030390-04 | VOA, SVOA |
| E0029 | 030390-05 | VOA, SVOA |
| E0030 | 030390-06 | VOA, SVOA, Pest/PCB |

**Sample Receipt**

Cooler Temperatures upon receipt were 6°C.

**(2) Instrumentation and Column Identification**

The following instruments were used for the analyses:

**GC/MS Analysis**

A. VOA

MS16 HP5972 GC/MS, 30m, 0.32mm ID, 1.8 um, DB-624 capillary column. OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

MS17 HP5973 GC/MS, 30m, 0.25mm ID, 1.4 um, RTX-624 capillary column. OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS11 HP6890 GC, HP5973MS,30 m,25 mm ID, ZB-5 fused silica capillary column

C. Pest/PCB

AD17: HP5890II (GC6) using 30m x 0.53mm ID, DB5 megabore column
AD18: HP5890II (GC6) using 30m x 0.53mm ID, DB35 megabore column

(3) **Sample Information**

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letters "M" for GC/MS and "FF" for GC are used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The pHs of the water samples were:

| Client ID: | Ceimic ID: | pH: |
|---|---|---|
| E0028 | 030390-04 | 1 |
| E0029 | 030390-05 | 1 |
| E0030 | 030390-06 | 1 |
| E0031 | 030390-01 | 1 |
| E0032 | 030390-02 | 1 |
| E0033 | 030390-03 | 1 |

B. SVOA Fraction (Method CLP SOW OLM04.3)

Sample Reference Table:

| Client ID | Ceimic ID |
|---|---|
| E0028 | 030390-04 |
| E0029 | 030390-05 |
| E0030 | 030390-06 |
| E0031 | 030390-01 |
| E0032 | 030390-02 |

500 mL of raw sample were used to extract the matrix spike duplicates, rather than the method-specified amount of 1000 mL. Low sample volume was received for the original sample. The extracts were concentrated to a final volume half that of the method-specified volume, and therefore no effective dilution was performed during the extraction procedure. The recovery of the surrogate, terphenyl-d14, did not meet quality control criteria in the analyses of E0029 and E0029. The recovery of the spike compound 4-nitrophenol was flagged as an outlier in the matrix spike and matrix spike duplicate.

C. Pest/PCB Fraction (Method CLP SOW OLM04.3)

All samples were extracted and analyzed within their respective holding times. Samples E0031MS/MSD [030390-01] were extracted at a reduced volume (500mL) due to limited sample quantity available. QC analysis on sample E0030 [030390-06] was cancelled by the Sample Management Office due to the presence of another QC sample in the same SDG.

Relative difference in recovery is high in the MS/MSD pair for gamma-BHC (38%), Heptachlor (33%), Aldrin (33%), and Dieldrin (24%).

No target analytes are identified in any of the samples.

**Deviations from the SOW**

None other than specified above.

End of SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Ines Bauer

Ines Bauer, Laboratory Manager

4/28/03

Date

## Ryan Montalbano

**From:** Brown, Jessica [Jessica.Brown@dyncorp.com]
**Sent:** Monday, April 14, 2003 5:07 PM
**To:** 'rmontalbano@ceimic.com'
**Subject:** Region 05 | Case 31584 | Lab CEIMIC | Issue Insufficient/inappropriate designation of laboratory QC

Hi Ryan,

Per Region 5, the following are the resolutions to issues concerning Case 31584:

Resolution 1 - Insufficient/inappropriate designation of laboratory QC (SDGs E0001, E0015, and E0028)
In accordance with previous direction from Region 5, the laboratory will select one of the designated samples for laboratory QC (per SDG). The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for QC, and proceed with the analysis of the samples.

Please confirm that sample E0001 was selected as laboratory QC for SDG E0001, sample E0026 was selected as laboratory QC for SDG E0015, and sample E0031 was selected as laboratory QC for SDG E0028.

Resolution 2 - Insufficient volume (SDG E0028)
In accordance with previous direction from Region 5, the laboratory will In accordance with previous direction from Region 5, the laboratory will analyze the sample at full volume and the laboratory QC at reduced volume. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Please let me know if full volume analysis/laboratory QC was performed for the VOA fraction.

Thanks,
Jessica

-----Original Message-----
From: Ryan Montalbano [mailto:rmontalbano@ceimic.com]
Sent: Monday, April 14, 2003 4:37 PM
To: Brown, Jessica
Subject: RE: Case 31584, revised MS/MSD issues

The extraction laboratory can extract the portions for the actual sample analysis at full volume of 1000mL, and extract the MS/MSD at a volume of 500mL. The volatiles laboratory has informed me that they can do a full-volume sample AND a full-volume MS/MSD with just two vials, as long as they are aware in advance.

If this is the resolution that the Region prefers, then we would elect to assign the QC to sample E0031, if this is permissible.

-Ryan

-----Original Message-----
From: Brown, Jessica [mailto:Jessica.Brown@dyncorp.com]
Sent: Monday, April 14, 2003 4:05 PM
To: 'rmontalbano@ceimic.com'
Subject: RE: Case 31584, revised MS/MSD issues

Do you have enough to do a full volume sample analysis and a reduced volume lab QC for VOA/BNA/Pest?

-----Original Message-----
From: Ryan Montalbano [mailto:rmontalbano@ceimic.com]
Sent: Monday, April 14, 2003 3:59 PM
To: Brown, Jessica
Subject: RE: Case 31584, revised MS/MSD issues

Jessica, no we do not. We need at least three VOA vials and 6 liters of extractable water; we only received two VOA vials and 5 liters of extractable water. -Ryan

-----Original Message-----
From: Brown, Jessica [mailto:Jessica.Brown@dyncorp.com]
Sent: Monday, April 14, 2003 3:07 PM
To: 'rmontalbano@ceimic.com'
Subject: FW: Case 31584, revised MS/MSD issues

Hi Ryan,

Concerning the following issue: In the water SDG, no additional volume was sent for ANY sample. Each sample only came with two VOA vials and 5 liters of BNA/PEST water. (Proper QC requires three VOA vials and 6 liters of BNA/PEST water.) Also, samples that do not have PEST analysis only came with approx. 1 liter of water - just enough - for the BNA analysis.

Do you have sufficient volume for the laboratory to perform analysis of the sample and laboratory QC at full volume for VOA/BNA/Pest?

Thanks,

Jessica Brown
CSC
CLP Coordinator for Regions 4, 5, & 8
essica.brown@dyncorp.com
h: 703.264.9349; Fax: 703.264.9222

---
This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.
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-----Original Message-----
From: Ryan Montalbano [mailto:rmontalbano@ceimic.com]
Sent: Monday, April 14, 2003 2:53 PM
To: Brown, Jessica
Subject: Case 31584, revised MS/MSD issues

Hi Jessica.

The samples were received as follows:
13 soils on Friday 04/11 (VOA soils are Encore)
14 soils on Saturday 04/12 (VOA soils are not Encore)
6 waters on Saturday 04/12

Because of the total of 27 soil samples, and because no samples in this case re scheduled to be shipped this week, we have elected to divide the soils amples into two SDGs based on whether or not the VOA soils are Encore. This coincidentally happens to spilt the case by receipt date.

The 14 non-Encore soils are in SDG E0001.
The 13 Encore soils are in SDG E0015.
The 6 waters are in SDG E0028.

Each of the SDGs has multiple QC samples (as indicated by the chain of custody) assigned to it as follows:
SDG E0001: samples E0001, E0005, and E0006.
SDG E0015: samples E0019, E0020, and E0026.
SDG E0028: samples E0030 and E0031.

In the two soil SDGs, additional volume was only sent for samples E0001 (4 VOA jars instead of 2) and E0026 (6 Encore aliquots instead of 3). If you would like us to reduce the number of QC samples to one per SDG, we would elect to perform QC on these two samples.

In the water SDG, no additional volume was sent for ANY sample. Each sample only came with two VOA vials and 5 liters of BNA/PEST water. (Proper QC requires three VOA vials and 6 liters of BNA/PEST water.) Also, samples that do not have PEST analysis only came with approx. 1 liter of water - just enough - for the BNA analysis.

Please advise us on how to proceed with the MS/MSD analysis for all three of the above SDGs. Thanks!

-Ryan

Ryan C. Montalbano
Gas Chromatography Laboratory Supervisor
Ceimic Corporation
10 Dean Knauss Drive
Narragansett, RI 02882
(401)782-8900
Fax (401)782-8905
montalbano@ceimic.com

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

| | EPA SAMPLE NO. | SMC1 (TOL) # | SMC2 (BFB) # | SMC3 (DCE) # | OTHER | TOT OUT |
|---|---|---|---|---|---|---|
| 01 | VBLKPZ | 102 | 96 | 102 | | 0 |
| 02 | E0031 | 100 | 94 | 104 | | 0 |
| 03 | VBLKQF | 100 | 98 | 100 | | 0 |
| 04 | E0031MS | 106 | 100 | 104 | | 0 |
| 05 | E0031MSD | 104 | 98 | 102 | | 0 |
| 06 | E0032 | 104 | 98 | 104 | | 0 |
| 07 | E0033 | 104 | 98 | 102 | | 0 |
| 08 | E0028 | 102 | 102 | 102 | | 0 |
| 09 | E0029 | 102 | 100 | 102 | | 0 |
| 10 | E0030 | 106 | 100 | 104 | | 0 |
| 11 | VBLKPC | 102 | 92 | 100 | | 0 |
| 12 | VHBLK01 | 100 | 92 | 102 | | 0 |
| 13 | | | | | | |
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| 30 | | | | | | |

| | | QC LIMITS |
|---|---|---|
| SMC1 (TOL) | = Toluene-d8 | (88-110) |
| SMC2 (BFB) | = Bromofluorobenzene | (86-115) |
| SMC3 (DCE) | = 1,2-Dichloroethane-d4 | (76-114) |

# Column to be used to flag recovery values

* Values outside of contract required QC limits

# WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix Spike - EPA Sample No.: E0031

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50 | 0.0 | 42 | 84 | 61-145 |
| Trichloroethene | 50 | 0.0 | 54 | 108 | 71-120 |
| Benzene | 50 | 0.0 | 53 | 106 | 76-127 |
| Toluene | 50 | 0.0 | 59 | 118 | 76-125 |
| Chlorobenzene | 50 | 0.0 | 59 | 118 | 75-130 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50 | 42 | 84 | 0 | 14 | 61-145 |
| Trichloroethene | 50 | 56 | 112 | 4 | 14 | 71-120 |
| Benzene | 50 | 55 | 110 | 4 | 11 | 76-127 |
| Toluene | 50 | 60 | 120 | 2 | 13 | 76-125 |
| Chlorobenzene | 50 | 60 | 120 | 2 | 13 | 75-130 |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKPZ

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Lab File ID: P7668  Lab Sample ID: V160418-B1

Date Analyzed: 04/18/03  Time Analyzed: 1200

GC Column: RTX-624  ID: 0.25 (mm)  Heated Purge: (Y/N) N

Instrument ID: MS16

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E0031 | 030390-01 | P7684 | 2113 |
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COMMENTS:

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKQF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Lab File ID: Q7115 Lab Sample ID: V170421-B1

Date Analyzed: 04/21/03 Time Analyzed: 1040

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS17

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E0031MS | 030390-01MS | Q7121 | 1418 |
| 02 | E0031MSD | 030390-01MSD | Q7122 | 1451 |
| 03 | E0032 | 030390-02 | Q7123 | 1524 |
| 04 | E0033 | 030390-03 | Q7124 | 1557 |
| 05 | E0028 | 030390-04 | Q7125 | 1631 |
| 06 | E0029 | 030390-05 | Q7126 | 1704 |
| 07 | E0030 | 030390-06 | Q7127 | 1738 |
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COMMENTS:

4A

EPA SAMPLE NO.

# VOLATILE METHOD BLANK SUMMARY

VBLKPC

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Lab File ID: P7743  Lab Sample ID: V160423-B1

Date Analyzed: 04/23/03  Time Analyzed: 1827

GC Column: RTX-624  ID: 0.25 (mm)  Heated Purge: (Y/N) N

Instrument ID: MS16

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | VHBLK01 | 030415-21 | P7760 | 0417 |
| 02 | | | | |
| 03 | | | | |
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COMMENTS:

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0028

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Matrix: (soil/water) WATER  Lab Sample ID: 030390-04

Sample wt/vol: 5.000 (g/mL) ML  Lab File ID: Q7125

Level: (low/med) LOW  Date Received: 04/12/03

% Moisture: not dec. _____  Date Analyzed: 04/21/03

GC Column: DB-624  ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 2 | J |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 5 | J |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0028

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7125

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 4 | J |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

1F

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPCUNDS

E0028

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7125

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 526-73-8 | BENZENE, 1,2,3-TRIMETHYL- | 16.94 | 4 | NJ |
| 2. 496-11-7 | INDANE | 18.24 | 3 | NJ |
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# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0029

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Matrix: (soil/water) WATER  Lab Sample ID: 030390-05

Sample wt/vol: 5.000 (g/mL) ML  Lab File ID: Q7126

Level: (low/med) LOW  Date Received: 04/12/03

% Moisture: not dec. _____  Date Analyzed: 04/21/03

GC Column: DB-624  ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0029

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7126

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

1F

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0029

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Matrix: (soil/water) WATER  Lab Sample ID: 030390-05

Sample wt/vol: 5.000 (g/mL) ML  Lab File ID: Q7126

Level: (low/med) LOW  Date Received: 04/12/03

% Moisture: not dec. _____  Date Analyzed: 04/21/03

GC Column: DB-624  ID: 0.25 (mm)  Dilution Factor: 1.0

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

Number TICs found: 0  CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0030

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7127

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0030

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7127

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0030

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7127

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7684

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0031

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7684

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

1F

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0031

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Matrix: (soil/water) WATER  Lab Sample ID: 030390-01

Sample wt/vol: 5.000 (g/mL) ML  Lab File ID: P7684

Level: (low/med) LOW  Date Received: 04/12/03

% Moisture: not dec. _____  Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm)  Dilution Factor: 1.0

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

Number TICs found: 0  CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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1A

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0031MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7121

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 42 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 53 | |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7121

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 54 | |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 59 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 59 | |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0031MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7122

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 42 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 55 | |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0031MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7122

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 56 | |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 60 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 60 | |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0032

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7123

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

E0032

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7123

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2. | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

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EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

E0032

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7123

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0033

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7124

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0033

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7124

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

1F

EPA SAMPLE NO.

E0033

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7124

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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1A

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKPC

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: V160423-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7743

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/23/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 1 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKPC

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: V160423-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7743

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/23/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKPC

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: V160423-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7743

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/23/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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1A

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKPZ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: V160418-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7668

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 2 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 1 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPZ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: V160418-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7668

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKPZ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: V160418-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7668

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/18/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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1A EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKQF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: V170421-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7115

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKQF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: V170421-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7115

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKQF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: V170421-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: Q7115

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/21/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030415-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7760

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/24/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 74-87-3 | Chloromethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 2 | JB |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 79-20-9 | Methyl Acetate | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 110-82-7 | Cyclohexane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030415-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7760

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/24/03

GC Column: RTX-624 ID: 0.25 (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 |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 10 | U |
| 108-87-2 | Methylcyclohexane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 106-93-4 | 1,2-Dibromoethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 1330-20-7 | Xylene (Total) | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |

1F

EPA SAMPLE NO.

VHBLK01

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030415-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P7760

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/24/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
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2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

| | EPA SAMPLE NO. | S1 (NBZ) # | S2 (FBP) # | S3 (TPH) # | S4 (PHL) # | S5 (2FP) # | S6 (TBP) # | S7 (2CP) # | S8 (DCB) # | TOT OUT |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | SBLKKS | 70 | 72 | 76 | 72 | 61 | 89 | 72 | 58 | 0 |
| 02 | E0031 | 80 | 82 | 46 | 77 | 69 | 96 | 79 | 64 | 0 |
| 03 | E0031MS | 80 | 81 | 96 | 80 | 73 | 93 | 80 | 69 | 0 |
| 04 | E0031MSD | 79 | 81 | 94 | 80 | 73 | 93 | 80 | 67 | 0 |
| 05 | E0032 | 84 | 84 | 76 | 83 | 73 | 92 | 83 | 68 | 0 |
| 06 | E0028 | 68 | 66 | 22* | 56 | 59 | 76 | 63 | 54 | 1 |
| 07 | E0029 | 76 | 74 | 28* | 59 | 61 | 77 | 67 | 64 | 1 |
| 08 | E0030 | 80 | 84 | 42 | 72 | 68 | 93 | 76 | 64 | 0 |
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| | | QC LIMITS | |
|---|---|---|---|
| S1 (NBZ) | = Nitrobenzene-d5 | (35-114) | |
| S2 (FBP) | = 2-Fluorobiphenyl | (43-116) | |
| S3 (TPH) | = Terphenyl-d14 | (33-141) | |
| S4 (PHL) | = Phenol-d5 | (10-110) | |
| S5 (2FP) | = 2-Fluorophenol | (21-110) | |
| S6 (TBP) | = 2,4,6-Tribromophenol | (10-123) | |
| S7 (2CP) | = 2-Chlorophenol-d4 | (33-110) | (advisory) |
| S8 (DCB) | = 1,2-Dichlorobenzene-d4 | (16-110) | (advisory) |

# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

# WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix Spike - EPA Sample No.: E0031

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| Phenol | 150 | 0.0 | 120 | 80 | 12-110 |
| 2-Chlorophenol | 150 | 0.0 | 110 | 73 | 27-123 |
| N-Nitroso-di-n-prop.(1) | 100 | 0.0 | 66 | 66 | 41-116 |
| 4-Chloro-3-Methylphenol | 150 | 0.0 | 140 | 93 | 23- 97 |
| Acenaphthene | 100 | 0.0 | 84 | 84 | 46-118 |
| 4-Nitrophenol | 150 | 0.0 | 130 | 87* | 10- 80 |
| 2,4-Dinitrotoluene | 100 | 0.0 | 89 | 89 | 24- 96 |
| Pentachlorophenol | 150 | 0.0 | 150 | 100 | 9-103 |
| Pyrene | 100 | 0.0 | 94 | 94 | 26-127 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Phenol | 150 | 110 | 73 | 9 | 42 | 12-110 |
| 2-Chlorophenol | 150 | 110 | 73 | 0 | 40 | 27-123 |
| N-Nitroso-di-n-prop.(1) | 100 | 62 | 62 | 6 | 38 | 41-116 |
| 4-Chloro-3-Methylphenol | 150 | 130 | 87 | 7 | 42 | 23- 97 |
| Acenaphthene | 100 | 82 | 82 | 2 | 31 | 46-118 |
| 4-Nitrophenol | 150 | 130 | 87* | 0 | 50 | 10- 80 |
| 2,4-Dinitrotoluene | 100 | 86 | 86 | 3 | 38 | 24- 96 |
| Pentachlorophenol | 150 | 150 | 100 | 0 | 50 | 9-103 |
| Pyrene | 100 | 92 | 92 | 2 | 31 | 26-127 |

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 2 out of 18 outside limits

COMMENTS: _____

4B

# SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKS

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Lab File ID: K3934  Lab Sample ID: S0414-B6K

Instrument ID: MS11  Date Extracted: 04/14/03

Matrix: (soil/water) WATER  Date Analyzed: 04/16/03

Level:(low/med) LOW  Time Analyzed: 1009

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|---|
| 01 | E0031 | 030390-01 | K3936 | 04/16/03 |
| 02 | E0031MS | 030390-01MS | K3937 | 04/16/03 |
| 03 | E0031MSD | 030390-01MSD | K3938 | 04/16/03 |
| 04 | E0032 | 030390-02 | K3939 | 04/16/03 |
| 05 | E0028 | 030390-04 | K3940 | 04/16/03 |
| 06 | E0029 | 030390-05 | K3941 | 04/16/03 |
| 07 | E0030 | 030390-06 | K3942 | 04/16/03 |
| 08 | | | | |
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COMMENTS:

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0028

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3940

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 25 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0028

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3940

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 25 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 1912-24-9 | Atrazine | 10 | U |
| 87-86-5 | Pentachlorophenol | 25 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 86-74-8 | Carbazole | 10 | U |
| 84-74-2 | Di-n-butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 2 | JB |
| 117-84-0 | Di-n-octylphthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

E0028

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3940

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 622-96-8 | BENZENE, 1-ETHYL-4-METHYL- | 4.97 | 4 | NJ |
| 2. | UNKNOWN | 6.01 | 2 | J |
| 3. | UNKNOWN | 11.06 | 130 | J |
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1C

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0029

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3941

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 25 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1D

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0029

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3941

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 25 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 1912-24-9 | Atrazine | 10 | U |
| 87-86-5 | Pentachlorophenol | 25 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 86-74-8 | Carbazole | 10 | U |
| 84-74-2 | Di-n-butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-octylphthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

E0029

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3941

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 11.02 | 140 | J |
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1C

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0030

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3942

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 25 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1D

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0030

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3942

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 25 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 1912-24-9 | Atrazine | 10 | U |
| 87-86-5 | Pentachlorophenol | 25 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 86-74-8 | Carbazole | 10 | U |
| 84-74-2 | Di-n-butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-octylphthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

E0030

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPCUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3942

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0031

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3936

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 25 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0031

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3936

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 25 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 1912-24-9 | Atrazine | 10 | U |
| 87-86-5 | Pentachlorophenol | 25 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 86-74-8 | Carbazole | 10 | U |
| 84-74-2 | Di-n-butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 22 | B |
| 117-84-0 | Di-n-octylphthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE No.

E0031

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3936

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0031MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01MS

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: K3937

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 20 | U |
| 108-95-2 | Phenol | 120 | |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 20 | U |
| 95-57-8 | 2-Chlorophenol | 110 | |
| 95-48-7 | 2-Methylphenol | 20 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 20 | U |
| 98-86-2 | Acetophenone | 20 | U |
| 106-44-5 | 4-Methylphenol | 20 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 66 | |
| 67-72-1 | Hexachloroethane | 20 | U |
| 98-95-3 | Nitrobenzene | 20 | U |
| 78-59-1 | Isophorone | 20 | U |
| 88-75-5 | 2-Nitrophenol | 20 | U |
| 105-67-9 | 2,4-Dimethylphenol | 20 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 20 | U |
| 120-83-2 | 2,4-Dichlorophenol | 20 | U |
| 91-20-3 | Naphthalene | 20 | U |
| 106-47-8 | 4-Chloroaniline | 20 | U |
| 87-68-3 | Hexachlorobutadiene | 20 | U |
| 105-60-2 | Caprolactam | 20 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 140 | |
| 91-57-6 | 2-Methylnaphthalene | 20 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 20 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 20 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 92-52-4 | 1,1'-Biphenyl | 20 | U |
| 91-58-7 | 2-Chloronaphthalene | 20 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 20 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 20 | U |
| 208-96-8 | Acenaphthylene | 20 | U |
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 84 | |

1D

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0031MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01MS

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: K3937

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 130 | |
| 132-64-9 | Dibenzofuran | 20 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 89 | |
| 84-66-2 | Diethylphthalate | 20 | U |
| 86-73-7 | Fluorene | 20 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 20 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 20 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 20 | U |
| 118-74-1 | Hexachlorobenzene | 20 | U |
| 1912-24-9 | Atrazine | 20 | U |
| 87-86-5 | Pentachlorophenol | 150 | |
| 85-01-8 | Phenanthrene | 20 | U |
| 120-12-7 | Anthracene | 20 | U |
| 86-74-8 | Carbazole | 20 | U |
| 84-74-2 | Di-n-butylphthalate | 20 | U |
| 206-44-0 | Fluoranthene | 20 | U |
| 129-00-0 | Pyrene | 94 | |
| 85-68-7 | Butylbenzylphthalate | 20 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 20 | U |
| 218-01-9 | Chrysene | 20 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1900 | EB |
| 117-84-0 | Di-n-octylphthalate | 20 | U |
| 205-99-2 | Benzo(b)fluoranthene | 20 | U |
| 207-08-9 | Benzo(k)fluoranthene | 20 | U |
| 50-32-8 | Benzo(a)pyrene | 20 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 20 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 20 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 20 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0031MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01MSD

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: K3938

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 20 | U |
| 108-95-2 | Phenol | 110 | |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 20 | U |
| 95-57-8 | 2-Chlorophenol | 110 | |
| 95-48-7 | 2-Methylphenol | 20 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 20 | U |
| 98-86-2 | Acetophenone | 20 | U |
| 106-44-5 | 4-Methylphenol | 20 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 62 | |
| 67-72-1 | Hexachloroethane | 20 | U |
| 98-95-3 | Nitrobenzene | 20 | U |
| 78-59-1 | Isophorone | 20 | U |
| 88-75-5 | 2-Nitrophenol | 20 | U |
| 105-67-9 | 2,4-Dimethylphenol | 20 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 20 | U |
| 120-83-2 | 2,4-Dichlorophenol | 20 | U |
| 91-20-3 | Naphthalene | 10 | JB |
| 106-47-8 | 4-Chloroaniline | 20 | U |
| 87-68-3 | Hexachlorobutadiene | 20 | U |
| 105-60-2 | Caprolactam | 20 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 130 | |
| 91-57-6 | 2-Methylnaphthalene | 20 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 20 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 20 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 92-52-4 | 1,1'-Biphenyl | 20 | U |
| 91-58-7 | 2-Chloronaphthalene | 20 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 20 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 20 | U |
| 208-96-8 | Acenaphthylene | 20 | U |
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 82 | |

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01MSD

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: K3938

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 130 | |
| 132-64-9 | Dibenzofuran | 20 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 86 | |
| 84-66-2 | Diethylphthalate | 20 | U |
| 86-73-7 | Fluorene | 20 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 20 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 20 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 20 | U |
| 118-74-1 | Hexachlorobenzene | 20 | U |
| 1912-24-9 | Atrazine | 20 | U |
| 87-86-5 | Pentachlorophenol | 150 | |
| 85-01-8 | Phenanthrene | 20 | U |
| 120-12-7 | Anthracene | 20 | U |
| 86-74-8 | Carbazole | 20 | U |
| 84-74-2 | Di-n-butylphthalate | 20 | U |
| 206-44-0 | Fluoranthene | 20 | U |
| 129-00-0 | Pyrene | 92 | |
| 85-68-7 | Butylbenzylphthalate | 20 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 20 | U |
| 218-01-9 | Chrysene | 20 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 3 | JB |
| 117-84-0 | Di-n-octylphthalate | 20 | U |
| 205-99-2 | Benzo(b)fluoranthene | 20 | U |
| 207-08-9 | Benzo(k)fluoranthene | 20 | U |
| 50-32-8 | Benzo(a)pyrene | 20 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 20 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 20 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 20 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0032

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3939

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 25 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1D

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0032

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3939

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 25 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 1912-24-9 | Atrazine | 10 | U |
| 87-86-5 | Pentachlorophenol | 25 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 86-74-8 | Carbazole | 10 | U |
| 84-74-2 | Di-n-butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 3 | JB |
| 117-84-0 | Di-n-octylphthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

E0032

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3939

Level: (low/med) LOW Date Received: 04/12/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 12.55 | 5 | J |
| 2. | | | | |
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1C

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKKS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: S0414-B6K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3934

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(-2-Chloroethyl)Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | bis(-2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 2 | J |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 25 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKKS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: S0414-B6K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3934

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 25 | U |
| 100-02-7 | 4-Nitrophenol | 25 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 100-01-6 | 4-Nitroaniline | 25 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 25 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 1912-24-9 | Atrazine | 10 | U |
| 87-86-5 | Pentachlorophenol | 25 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 86-74-8 | Carbazole | 10 | U |
| 84-74-2 | Di-n-butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 17 | |
| 117-84-0 | Di-n-octylphthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKKS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: S0414-B6K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K3934

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:04/14/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 04/16/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

GC Column(1):DB5 ID:0.53(mm) GC Column(2):DB35 ID:0.53(mm)

| | EPA SAMPLE NO. | TCX 1 %REC # | TCX 2 %REC # | DCB 1 %REC # | DCB 2 %REC # | OTHER (1) | OTHER (2) | TOT OUT |
|---|---|---|---|---|---|---|---|---|
| 01 | PBLK01 | 70 | 75 | 95 | 95 | | | 0 |
| 02 | E0031 | 60 | 70 | 80 | 80 | | | 0 |
| 03 | E0031MS | 60 | 68 | 90 | 95 | | | 0 |
| 04 | E0031MSD | 88 | 100 | 90 | 93 | | | 0 |
| 05 | E0032 | 70 | 75 | 95 | 100 | | | 0 |
| 06 | E0030 | 70 | 80 | 85 | 90 | | | 0 |
| 07 | | | | | | | | |
| 08 | | | | | | | | |
| 09 | | | | | | | | |
| 10 | | | | | | | | |
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| | | QC LIMITS |
|---|---|---|
| S1 (TCX) | = Tetrachloro-m-xylene | (30-150) |
| S2 (DCB) | = Decachlorobiphenyl | (30-150) |

# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

# WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix Spike - EPA Sample No.: E0031

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 1.0 | 0.00 | 0.59 | 59 | 56-123 |
| Heptachlor | 1.0 | 0.00 | 0.64 | 64 | 40-131 |
| Aldrin | 1.0 | 0.00 | 0.63 | 63 | 40-120 |
| Dieldrin | 2.0 | 0.00 | 1.5 | 75 | 52-126 |
| Endrin | 2.0 | 0.00 | 1.7 | 85 | 56-121 |
| 4,4'-DDT | 2.0 | 0.00 | 1.6 | 80 | 38-127 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 1.0 | 0.87 | 87 | 38* | 15 | 56-123 |
| Heptachlor | 1.0 | 0.89 | 89 | 33* | 20 | 40-131 |
| Aldrin | 1.0 | 0.88 | 88 | 33* | 22 | 40-120 |
| Dieldrin | 2.0 | 1.9 | 95 | 24* | 18 | 52-126 |
| Endrin | 2.0 | 2.1 | 105 | 21 | 21 | 56-121 |
| 4,4'-DDT | 2.0 | 1.7 | 85 | 6 | 27 | 38-127 |

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 4 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS:

# PESTICIDE METHOD BLANK SUMMARY

PBLK01

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Lab Sample ID: P0414-B7  Lab File ID: _____

Matrix (soil/water) WATER  Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) N  Date Extracted: 04/14/03

Date Analyzed (1): 04/15/03  Date Analyzed (2): 04/15/03

Time Analyzed (1): 1244  Time Analyzed (2): 1244

Instrument ID (1): GC6  Instrument ID (2): GC6

GC Column (1): DB5  ID: 0.53(mm)  GC Column (2): DB35  ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

| | EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| 01 | E0031 | 030390-01 | 04/15/03 | 04/15/03 |
| 02 | E0031MS | 030390-01MS | 04/15/03 | 04/15/03 |
| 03 | E0031MSD | 030390-01MSD | 04/15/03 | 04/15/03 |
| 04 | E0032 | 030390-02 | 04/15/03 | 04/15/03 |
| 05 | E0030 | 030390-06 | 04/15/03 | 04/15/03 |
| 06 | | | | |
| 07 | | | | |
| 08 | | | | |
| 09 | | | | |
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COMMENTS: _____

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0030

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 04/12/03

Extraction: (Type) SEPF Date Extracted: 04/14/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 04/15/03

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 |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 04/12/03

Extraction: (Type) SEPF Date Extracted: 04/14/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 04/15/03

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 |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031MS

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Matrix: (soil/water) WATER  Lab Sample ID: 030390-01MS

Sample wt/vol: 500.0 (g/mL) ML  Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___  Date Received: 04/12/03

Extraction: (Type) SEPF  Date Extracted: 04/14/03

Concentrated Extract Volume: 10000(uL)  Date Analyzed: 04/15/03

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 |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.10 | U |
| 319-85-7 | beta-BHC | 0.10 | U |
| 319-86-8 | delta-BHC | 0.10 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.59 | |
| 76-44-8 | Heptachlor | 0.64 | |
| 309-00-2 | Aldrin | 0.63 | |
| 1024-57-3 | Heptachlor epoxide | 0.10 | U |
| 959-98-8 | Endosulfan I | 0.10 | U |
| 60-57-1 | Dieldrin | 1.5 | |
| 72-55-9 | 4,4'-DDE | 0.20 | U |
| 72-20-8 | Endrin | 1.7 | |
| 33213-65-9 | Endosulfan II | 0.20 | U |
| 72-54-8 | 4,4'-DDD | 0.20 | U |
| 1031-07-8 | Endosulfan sulfate | 0.20 | U |
| 50-29-3 | 4,4'-DDT | 1.6 | |
| 72-43-5 | Methoxychlor | 1.0 | U |
| 53494-70-5 | Endrin ketone | 0.20 | U |
| 7421-93-4 | Endrin aldehyde | 0.20 | U |
| 5103-71-9 | alpha-Chlordane | 0.10 | U |
| 5103-74-2 | gamma-Chlordane | 0.10 | U |
| 8001-35-2 | Toxaphene | 10 | U |
| 12674-11-2 | Aroclor-1016 | 2.0 | U |
| 11104-28-2 | Aroclor-1221 | 4.0 | U |
| 11141-16-5 | Aroclor-1232 | 2.0 | U |
| 53469-21-9 | Aroclor-1242 | 2.0 | U |
| 12672-29-6 | Aroclor-1248 | 2.0 | U |
| 11097-69-1 | Aroclor-1254 | 2.0 | U |
| 11096-82-5 | Aroclor-1260 | 2.0 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-01MSD

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 04/12/03

Extraction: (Type) SEPF Date Extracted: 04/14/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 04/15/03

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 |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.10 | U |
| 319-85-7 | beta-BHC | 0.10 | U |
| 319-86-8 | delta-BHC | 0.10 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.87 | |
| 76-44-8 | Heptachlor | 0.89 | |
| 309-00-2 | Aldrin | 0.88 | |
| 1024-57-3 | Heptachlor epoxide | 0.10 | U |
| 959-98-8 | Endosulfan I | 0.10 | U |
| 60-57-1 | Dieldrin | 1.9 | |
| 72-55-9 | 4,4'-DDE | 0.20 | U |
| 72-20-8 | Endrin | 2.1 | |
| 33213-65-9 | Endosulfan II | 0.20 | U |
| 72-54-8 | 4,4'-DDD | 0.20 | U |
| 1031-07-8 | Endosulfan sulfate | 0.20 | U |
| 50-29-3 | 4,4'-DDT | 1.7 | |
| 72-43-5 | Methoxychlor | 1.0 | U |
| 53494-70-5 | Endrin ketone | 0.20 | U |
| 7421-93-4 | Endrin aldehyde | 0.20 | U |
| 5103-71-9 | alpha-Chlordane | 0.10 | U |
| 5103-74-2 | gamma-Chlordane | 0.10 | U |
| 8001-35-2 | Toxaphene | 10 | U |
| 12674-11-2 | Aroclor-1016 | 2.0 | U |
| 11104-28-2 | Aroclor-1221 | 4.0 | U |
| 11141-16-5 | Aroclor-1232 | 2.0 | U |
| 53469-21-9 | Aroclor-1242 | 2.0 | U |
| 12672-29-6 | Aroclor-1248 | 2.0 | U |
| 11097-69-1 | Aroclor-1254 | 2.0 | U |
| 11096-82-5 | Aroclor-1260 | 2.0 | U |

1E

EPA SAMPLE NO.

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

E0032

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 31584 SAS No.: SDG No.: E0028

Matrix: (soil/water) WATER Lab Sample ID: 030390-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 04/12/03

Extraction: (Type) SEPF Date Extracted: 04/14/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 04/15/03

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 |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: CEIMIC CORP  Contract: 68-W-03-018

Lab Code: CEIMIC  Case No.: 31584  SAS No.:  SDG No.: E0028

Matrix: (soil/water) WATER  Lab Sample ID: P0414-B7

Sample wt/vol: 1000 (g/mL) ML  Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___  Date Received: _____

Extraction: (Type) SEPF  Date Extracted: 04/14/03

Concentrated Extract Volume: 10000(uL)  Date Analyzed: 04/15/03

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 |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 7421-93-4 | Endrin aldehyde | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.050 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 1.0 | U |
| 11104-28-2 | Aroclor-1221 | 2.0 | U |
| 11141-16-5 | Aroclor-1232 | 1.0 | U |
| 53469-21-9 | Aroclor-1242 | 1.0 | U |
| 12672-29-6 | Aroclor-1248 | 1.0 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0028 CERCLIS No: ILD 984903286

Case No: 31584 Site Name/Location: PLOT M. PALOS FOREST PRESERVE (ARGONNE)

Contractor or EPA Lab: CEIMIC Data User: IEPA

No. of Samples: 6 Date Sampled or Date Received: 4-30-03

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 6 No. of samples received: 6

Received by: Eva M. Dixon/ESAT Date: 4-30-03

Received by LSSS: Eva M. Dixon/ESAT Date: 4-30-03

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: Eva M. Dixon/ESAT Date: 5-5-03

Mailed to user by: Eva M. Dixon/ESAT Date: 5-5-03

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____