**Appendix E**
ACME STEEL COKE PLANT
COOK COUNTY
ILN000509241
SUPERFUND/ HRS

EPA Region 5 Records Ctr.
272818

# CERCLA

## Analytical Results

Illinois Environmental
Protection Agency

RECEIVED
JUL 0 5 2005
IEPA-BOL-FSRS

BDATE: June 28, 2005

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

Attn: Bob Casper

SITE NAME: ACME Steel Coke Plant, (IL)

| CASE NO. | LAB | NO. OF SAMPLES | SDG | MATRIX |
|---|---|---|---|---|
| 34166 | Chemtech | 11 Waters,6 Soils | ME00R1 | Soil,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.

Signature:_____ Date:_____

FROM: U.S. EPA
Region 5
Central Regional Laboratory
536 S. Clark, 10th Floor
CHICAGO, IL 60605

Sent By: James D Burden, Chemist ESAT Region 5 / ALION Science & Technology

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: June 23, 2005

SUBJECT: Review of Data
Received for Review on May 27, 2005

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

TO: Data User: IEPA

We have reviewed the data for this case. We have also reviewed the CADRE generated validation files.

SITE NAME: ACME Steel Coke Plant

CASE NUMBER: 34166 SDG NUMBER: ME00R1

Number and Type of Samples: 11 waters, 6 soils

Sample Numbers: ME00R1-4,6,7,9; ME00S0,2-9; ME00T0

Laboratory: Chemtech Hrs. for Review: 23

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number : 34166
Site Name: ACME Steel Coke Plant

SDG Number: ME00R1
Laboratory: Chemtech

1. HOLDING TIME:

No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standard.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the MDL but less than or equal to the CRQL. The detected sample result is also less than or equal to the CRQL. Hits are qualified "U". The sample result is raised to the CRQL.

Aluminum
ME00R1, ME00R2, ME00R7, ME00R9

Antimony
ME00R2, ME00R9, ME00S5, ME00S6

Arsenic
ME00R1, ME00R2, ME00R3, ME00R6, ME00R7, ME00R9, ME00S0

Barium
ME00R1, ME00R2, ME00R3, ME00R4, ME00R6, ME00R7, ME00R9
ME00S0

Cadmium
ME00S6

Calcium
ME00S2

Chromium
ME00R3, ME00R4, ME00S2

Cobalt
ME00R3, ME00R4, ME00R6, ME00S5, ME00S6, ME00S7, ME00S8
ME00S9, ME00T0

Iron
ME00S2

Magnesium
ME00S2, ME00S9

Manganese
ME00S2

Reviewed By: J. Ganz
Date: June 23, 2005

Case Number : 34166
Site Name: ACME Steel Coke Plant

SDG Number: ME00R1
Laboratory: Chemtech

Calcium
ME00S2

Chromium
ME00R3, ME00R4, ME00S2

Cobalt
ME00R3, ME00R4, ME00R6, ME00S5, ME00S6, ME00S7, ME00S8
ME00S9, ME00T0

Iron
ME00S2

Magnesium
ME00S2, ME00S9

Manganese
ME00S2

Mercury
ME00R4, ME00S9

Nickel
ME00R9

Selenium
ME00S5, ME00S6, ME00S7, ME00S8, ME00S9, ME00T0

Silver
ME00R3, ME00R4, ME00R6, ME00S2, ME00S7

Thallium
ME00S7

Vanadium
ME00R3, ME00R4, ME00R6, ME00R7

The following inorganic samples are associated with an ICB/CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. The detected sample result is greater than the CRQL but less than five times the absolute value of the blank concentration. Hits are qualified "J-".

Cadmium
ME00S8

Iron
ME00R1, ME00R3, ME00R4

Reviewed By: J. Ganz
Date: June 23, 2005

Case Number : 34166
Site Name: ACME Steel Coke Plant

SDG Number: ME00R1
Laboratory: Chemtech

Sodium
ME00R1, ME00R2, ME00R3, ME00R4, ME00R6, ME00R7, ME00R9
ME00S0, ME00S2

DC-6 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in control. The serial dilution result is a non-detect. Hits are qualified "J" and non-detects are qualified "UJ".

Barium
ME00R1, ME00R2, ME00R3, ME00R4, ME00R6, ME00R7, ME00R9
ME00S0, ME00S2

The following results are associated with a replicate exposure RSD that was excessively high. Hits are qualified "J".

Silver
ME00T0

The following results are associated with an interference check A standard (ICSA) which exhibited false negative concentration values for the trace elements. The sample contains aluminum, calcium, iron, or magnesium at a level comparable to that of the ICSA. The sample also contains the trace analyte at a level comparable to the absolute value fo the ICSA false negative concentration. Hits are qualified "J" and non-detects are qualified "UJ".

Barium
ME00R1, ME00R2, ME00R3, ME00R4, ME00R6, ME00R7, ME00R9
ME00S0

Copper
ME00R1, ME00R2, ME00R3, ME00R4, ME00R6, ME00R7, ME00R9
ME00S0

Lead
ME00R1, ME00R2, ME00R3, ME00R4, ME00R6, ME00R7, ME00R9
ME00S0, ME00S9

Silver
ME00R1, ME00R2, ME00R3, ME00R4, ME00R6, ME00R7, ME00R9
ME00S0, ME00S5, ME00S6, ME00S7, ME00S8, ME00S9, ME00T0

Zinc
ME00R1, ME00R2, ME00R3, ME00R4, ME00R6, ME00R7, ME00R9
ME00S0, ME00S9

Reviewed By: J. Ganz
Date: June 23, 2005

Case Number : 34166
Site Name: ACME Steel Coke Plant

SDG Number: ME00R1
Laboratory: Chemtech

ME00S9
Potassium, Sodium

All data, except those qualified above, are acceptable.

Reviewed By: J. Ganz
Date: June 23, 2005

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : ME00R1
Site : ACME STEEL COKE PLANT
Lab. : CHEM
Reviewer : J. GANZ
: JUNE 27, 2005

Number of Soil Samples : 6
Number of Water Samples : 11

| Sample Number : | ME00S5 | | ME00S6 | | ME00S7 | | ME00S8 | | ME00S9 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X201 | | X306 | | X308 | | X309 | | X310 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:30 | | 10:30 | | 13:30 | | 14:20 | | 14:50 | |
| %Solids : | 59.0 | | 85.8 | | 89.2 | | 76.9 | | 86.8 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 7590 | J | 3020 | J | 3240 | J | 5090 | J | 1610 | J |
| ANTIMONY | 10.2 | U | 7.0 | U | 6.6 | U | 7.7 | U | 6.8 | U |
| ARSENIC | 9.2 | | 7.9 | | 10.3 | | 17.2 | | 7.5 | |
| BARIUM | 152 | | 75.2 | | 66.7 | | 107 | | 81.1 | |
| BERYLLIUM | 0.72 | J | 0.92 | | 0.66 | | 1.6 | | 0.88 | |
| CADMIUM | 0.85 | U | 0.58 | U | 0.55 | U | 0.76 | J+J- | 0.57 | U |
| CALCIUM | 5000 | J | 12000 | J | 14800 | J | 6040 | J | 1600 | J |
| CHROMIUM | 15.0 | | 16.1 | | 18.7 | | 14.4 | | 6.4 | |
| COBALT | 8.5 | U | 5.8 | U | 5.5 | U | 6.4 | U | 5.7 | U |
| COPPER | 25.4 | | 45.8 | | 35.3 | | 26.8 | | 18.8 | |
| IRON | 21600 | | 22800 | | 39500 | | 13700 | | 9200 | |
| LEAD | 65.8 | | 83.8 | | 81.3 | | 81.4 | | 7.4 | J- |
| MAGNESIUM | 1460 | J | 3700 | J | 3970 | J | 1830 | J | 570 | UJ |
| MANGANESE | 168 | | 551 | | 729 | | 223 | | 50.9 | |
| MERCURY | 0.20 | J+J- | 0.64 | | 0.94 | | 2.9 | | 0.12 | U |
| NICKEL | 9.3 | | 13.6 | | 14.4 | | 13.3 | | 9.2 | |
| POTASSIUM | 437 | J | 419 | J | 532 | J | 654 | | 218 | J |
| SELENIUM | 5.9 | U | 4.1 | U | 3.8 | U | 4.5 | U | 4.0 | U |
| SILVER | 1.7 | UJ | 1.2 | UJ | 1.1 | UJ | 1.3 | UJ | 1.1 | UJ |
| SODIUM | 300 | J | 262 | J | 310 | J | 333 | J | 101 | J |
| THALLIUM | 4.2 | U | 2.9 | U | 2.7 | U | 3.2 | U | 2.9 | U |
| VANADIUM | 19.8 | | 14.1 | | 14.0 | | 17.8 | | 14.5 | |
| ZINC | 139 | | 154 | | 255 | | 143 | | 13.5 | J- |
| CYANIDE | 4.2 | U | 2.9 | U | 3.3 | | 3.3 | U | 2.9 | U |

## Analytical Results (Qualified Data)

Case #: 34166 SDG : ME00R1
Site : ACME STEEL COKE PLANT
Lab. : CHEM
Reviewer : J. GANZ
Date : JUNE 27, 2005

| Sample Number : | ME00R1 | | ME00R2 | | ME00R3 | | ME00R4 | | ME00R6 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G101F | | G101 | | | | G103F | | G102 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | | | 5/2/2005 | | 5/2/2005 | |
| Time Sampled : | 13:20 | | 13:20 | | | | 16:05 | | 16:05 | |
| %Solids : | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 200 | U | 200 | U | 200 | U | 200 | U | 201 | |
| ANTIMONY | 60.0 | U | 60.0 | U | 60.0 | U | 60.0 | U | 60.0 | U |
| ARSENIC | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U |
| BARIUM | 200 | UJ | 200 | UJ | 200 | UJ | 200 | UJ | 200 | UJ |
| BERYLLIUM | 5.0 | U | 5.0 | U | 5.0 | U | 5.0 | U | 5.0 | U |
| CADMIUM | 5.0 | U | 5.0 | U | 5.0 | U | 5.0 | U | 5.0 | U |
| CALCIUM | 133000 | | 135000 | | 410000 | | 432000 | | 419000 | |
| CHROMIUM | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U |
| COBALT | 50.0 | U | 50.0 | U | 50.0 | U | 50.0 | U | 50.0 | U |
| COPPER | 9.3 | J- | 5.3 | J- | 9.6 | J- | 10.7 | J- | 10.3 | J- |
| IRON | 247 | J- | 489 | J | 181 | J- | 200 | J- | 956 | J |
| LEAD | 10.0 | UJ | 10.0 | UJ | 10.0 | UJ | 10.0 | UJ | 10.0 | UJ |
| MAGNESIUM | 58700 | | 59700 | | 104000 | | 110000 | | 106000 | |
| MANGANESE | 562 | | 570 | | 539 | | 565 | | 578 | |
| MERCURY | 0.20 | U | 0.20 | U | 0.26 | J+J- | 0.20 | U | 2.5 | |
| NICKEL | 40.0 | U | 40.0 | U | 40.0 | U | 40.0 | U | 40.0 | U |
| POTASSIUM | 12600 | J | 12700 | J | 20200 | J | 22200 | J | 19800 | J |
| SELENIUM | 35.0 | U | 35.0 | U | 35.0 | U | 35.0 | U | 35.0 | U |
| SILVER | 10.0 | UJ | 10.0 | UJ | 10.0 | UJ | 10.0 | UJ | 10.0 | UJ |
| SODIUM | 60400 | J | 60700 | J | 104000 | J | 110000 | J | 103000 | J |
| THALLIUM | 25.0 | U | 25.0 | U | 25.0 | U | 25.0 | U | 25.0 | U |
| VANADIUM | 50.0 | U | 50.0 | U | 50.0 | U | 50.0 | U | 50.0 | U |
| ZINC | 28.4 | J- | 25.1 | J- | 24.5 | J- | 21.5 | J- | 32.1 | J- |
| CYANIDE | | | 61.2 | | | | | | 160 | |

Analytical Results (Qualified Data)

Case #: 34166 SDG : ME00R1
Site : ACME STEEL COKE PLANT
Lab. : CHEM
Reviewer : J. GANZ
: JUNE 27, 2005

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number : | ME00S4 | | | | | | | | | |
| Sampling Location : | G106 | | | | | | | | | |
| Matrix : | Water | | | | | | | | | |
| Units : | ug/L | | | | | | | | | |
| Date Sampled : | 5/3/2005 | | | | | | | | | |
| Time Sampled : | 11:25 | | | | | | | | | |
| %Solids : | 0.0 | | | | | | | | | |
| Dilution Factor : | 2.0 | | | | | | | | | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | | | | | | | | | | |
| ANTIMONY | | | | | | | | | | |
| ARSENIC | | | | | | | | | | |
| BARIUM | | | | | | | | | | |
| BERYLLIUM | | | | | | | | | | |
| CADMIUM | | | | | | | | | | |
| CALCIUM | | | | | | | | | | |
| CHROMIUM | | | | | | | | | | |
| COBALT | | | | | | | | | | |
| COPPER | | | | | | | | | | |
| IRON | | | | | | | | | | |
| LEAD | | | | | | | | | | |
| MAGNESIUM | | | | | | | | | | |
| MANGANESE | | | | | | | | | | |
| MERCURY | | | | | | | | | | |
| NICKEL | | | | | | | | | | |
| POTASSIUM | | | | | | | | | | |
| SELENIUM | | | | | | | | | | |
| SILVER | | | | | | | | | | |
| SODIUM | | | | | | | | | | |
| THALLIUM | | | | | | | | | | |
| VANADIUM | | | | | | | | | | |
| ZINC | | | | | | | | | | |
| CYANIDE | 532 | | | | | | | | | |

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

EPA

| | |
|---|---|
| Case No: | 34166 |
| DAS No: | |
| SDG No: | ME00R1 |

L

| | | | |
|---|---|---|---|
| Date Shipped: | ~~5/3/2005~~ 5/2/05 | **Chain of Custody Record** | Sampler Signature: Ken Corkill |
| Carrier Name: | UPS | Relinquished By (Date / Time) | Received By (Date / Time) |
| Airbill: | 1Z6215892210024357 | [illegible] 5/5/05 10:00 | DARWIN DELEON 5-6-05 10:20 |
| Shipped to: | ChemTech Consulting Group (CHEM)<br>110 Route 4<br>Englewood NJ 07631<br>(201) 568-7400 | 2 | |
| | | 3 | |
| | | 4 | |

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W02068 |
| Unit Price: | $68.00 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| ME00R1 | Ground Water/ Ken Corkill | M/G | DM (21) | 5-217906 (HNO3), 5-217907 (HNO3), 5-217908 (HNO3) (3) | G101F | S: 5/2/2005 | 13:20 | | |
| ME00R2 | Ground Water/ Ken Corkill | M/G | TM (21) | 5-217909 (HNO3), 5-217910 (HNO3), 5-217911 (HNO3) (3) | G101 | S: 5/2/2005 | 13:20 | E00R2 | |
| ME00R4 | Ground Water/ Ken Corkill | M/G | DM (21) | 5-217928 (HNO3) (1) | G103F | S: 5/2/2005 | 16:05 | | |
| ME00R6 | Ground Water/ Ken Corkill | M/G | TM (21) | 5-217929 (HNO3) (1) | G102 | S: 5/2/2005 | 16:05 | E00R6 | |
| ME00R7 | Ground Water/ Ken Corkill | M/G | TM (21) | 5-217935 (HNO3) (1) | G103 | S: 5/2/2005 | 16:05 | E00R7 | |
| ME00R9 | Ground Water/ Ken Corkill | M/G | DM (21) | 5-217941 (HNO3) (1) | G104F | S: 5/2/2005 | 18:15 | | |
| ME00S0 | Ground Water/ Ken Corkill | M/G | TM (21) | 5-217942 (HNO3) (1) | G104 | S: 5/2/2005 | 18:15 | E00S0 | |
| ME00S2 | Ground Water/ Ken Corkill | L/G | TM (21) | 5-217950 (HNO3) (1) | Field Blank | S: 5/3/2005 | 10:05 | E00S2 | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete? yes | Sample(s) to be used for laboratory QC: ME00R1, ME00R2 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 4 °C | Chain of Custody Seal Number: 22688 |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? yes / Shipment Iced? yes |

DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals

**TR Number: 5-314975591-050305-0003**

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

**LABORATORY COPY**

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

Case No: 34166
DAS No:
SDG No: MEOOR1 L

| | | | |
|---|---|---|---|
| Date Shipped: 5/3/2005 | Chain of Custody Record | Sampler Signature: | For Lab Use Only |
| Carrier Name: UPS | Relinquished By (Date / Time) | Received By (Date / Time) | Lab Contract No: 68WD2068 |
| Airbill: 1Z6215892210024348 | [illegible] | DARWIN DE LEON 5-6-05 10:20 | Unit Price: $68.00 |
| Shipped to: ChemTech Consulting Group (CHEM) 110 Route 4 Englewood NJ 07631 (201) 568-7400 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| ME00R2 | Ground Water/ Ken Corkill | M/G | CN (21) | 5-217924 (NaOH), 5-217925 (NaOH), 5-217926 (NaOH) (3) | G101 | S: 5/2/2005 | 13:20 | E00R2 | |
| ME00R6 | Ground Water/ Ken Corkill | M/G | CN (21) | 5-217930 (NaOH) (1) | G102 | S: 5/2/2005 | 16:05 | E00R6 | |
| ME00R7 | Ground Water/ Ken Corkill | M/G | CN (21) | 5-217936 (NaOH) (1) | G103 | S: 5/2/2005 | 16:05 | E00R7 | |
| ME00S0 | Ground Water/ Ken Corkill | M/G | CN (21) | 5-217943 (NaOH) (1) | G104 | S: 5/2/2005 | 18:15 | E00S0 | |
| ME00S2 | Ground Water/ Ken Corkill | L/G | CN (21) | 5-217951 (NaOH) (1) | Field Blank | S: 5/3/2005 | 10:05 | E00S2 | |
| ME00S3 | Ground Water/ Ken Corkill | M/G | CN (21) | 5-217960 (NaOH) (1) | G105 | S: 5/3/2005 | 9:50 | E00S3 | |
| ME00S4 | Ground Water/ Ken Corkill | M/G | CN (21) | 5-217965 (NaOH) (1) | G106 | S: 5/3/2005 | 11:25 | E00S4 | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete? Yes | Sample(s) to be used for laboratory QC: ME00R2 | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 4°C | Chain of Custody Seal Number: 22687 |
| Analysis Key: CN = Cyanide | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? YES / Shipment Iced? Yes Blue Ice |

**TR Number: 5-314975591-050305-0001**

**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

**CHEMTECH**
**284 Sheffield Street**
**Mountainside, NJ 07092**

Issue 1) The Case was scheduled for ICP Metals/CN/Hg however, the lab received ICP Metals (Filtered) along with the ICP Metals/CN/Hg samples.
Resolution 1) Please run ICP Metals, plus Hg on the following aqueous samples: ME00R1, ME00R2, ME00R9, and ME00R3.

Issue 2) The following samples are indicated for "HCl" analysis on the TR/COC: ME00S5, ME00S6, ME00S7, ME00S8, ME00S9, ME00T0. These are soil/waste samples. The soils were scheduled for ICP Metals/CN/Hg analysis.
Resolution 2) The TR/COC assigned the abbreviation "HCl" to the analysis ICP Metals, Hg, CN as indicated on the bottom left-hand corner of the TR/COC. Please run ICP Metals, Hg, CN on samples ME00S5, ME00S6, ME00S7, ME00S8, ME00S9, and ME00T0.

Issue 3) There is no soil sample designated for lab QC; the lab would like to select ME00S5.
Resolution 3) ME00S5 would be great for MS/MSD analysis.

Issue 4) Two samples are indicated for water lab QC, ME00R1 and ME00R2. The lab would like to select ME00R2 as lab QC.
Resolution 4) ME00R2 would be great for MS/MSD analysis.

Issue 5) The Case is not marked complete on the TR/COC however, the shipping information indicates that Case is complete.
Resolution 5) The Case is complete.

**F. Analytical Techniques:**

All analyses were based on CLP Methodology by method ILM05.3

**G. Calculation:**

Conversion of results from mg/L to mg/kg (Dry Weight Basis):

Mg/Kg = (Result in mg/L) X 1000 X 100/ % Solid X Fraction of Sample Amount Taken in Prep.

**G. QA/ QC**

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did met requirements. Duplicate sample did met requirements. Serial Dilution did met requirements except for Few Elements only.

MAY 2 7 2005

USEPA - CLP

COVER PAGE

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

SOW No.: ILM05.3

| EPA Sample No. | Lab Sample ID |
|---|---|
| ME00R1 | T2711-01 |
| ME00R2 | T2711-02 |
| ME00R2D | T2711-03 |
| ME00R2S | T2711-04 |
| ME00R3 | T2711-19 |
| ME00R4 | T2711-20 |
| ME00R6 | T2711-05 |
| ME00R7 | T2711-06 |
| ME00R9 | T2711-21 |
| ME00S0 | T2711-07 |
| ME00S2 | T2711-08 |
| ME00S3 | T2711-09 |
| ME00S4 | T2711-10 |
| ME00S5 | T2711-11 |
| ME00S5D | T2711-12 |
| ME00S5S | T2711-13 |
| ME00S6 | T2711-14 |
| ME00S7 | T2711-15 |
| ME00S8 | T2711-16 |
| ME00S9 | T2711-17 |
| ME00T0 | T2711-18 |

| | | ICP-AES | ICP-MS |
|---|---|---|---|
| Were ICP-AES and ICP-MS interelement corrections applied? | (Yes/No) | YES | |
| Were ICP-AES and ICP-MS background corrections applied? | (Yes/No) | YES | |
| If yes, were raw data generated before application of background corrections? | (Yes/No) | NO | |

Comments:

The "E" qualifiers on Form I and IX for Barium, Iron, Potassium, Sodium, Aluminum, Calcium and Magnesium indicate chemical or physical interference effects, which were suspected during those

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: [signature] Name: PARVEEN HASAN

Date: 5/25/05 Title: EPA QA/QC OFFICER

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**ME00R2**

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) WATER Lab Sample ID: T2711-02

Level: (low/med) LOW Date Received: 05/06/2005

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 200 ~~99.5~~ | ~~J~~ | U | P |
| 7440-36-0 | Antimony | 60.0 ~~5.1~~ | ~~J~~ | U | P |
| 7440-38-2 | Arsenic | 10.0 ~~5.5~~ | ~~J~~ | U | P |
| 7440-39-3 | Barium | 200 ~~39.9~~ | ~~J~~ | U E | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 5.0 | U | | P |
| 7440-70-2 | Calcium | 135000 | | | P |
| 7440-47-3 | Chromium | 10.0 | U | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 5.3 | J | | P |
| 7439-89-6 | Iron | 489 | | E | P |
| 7439-92-1 | Lead | 10.0 | U | | P |
| 7439-95-4 | Magnesium | 59700 | | | P |
| 7439-96-5 | Manganese | 570 | | | P |
| 7439-97-6 | Mercury | 0.20 | U | | CV |
| 7440-02-0 | Nickel | 40.0 | U | | P |
| 7440-09-7 | Potassium | 12700 | | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 60700 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 25.1 | J | | P |
| 57-12-5 | Cyanide | 61.2 | | | AS |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

**ME00R4**

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) WATER Lab Sample ID: T2711-20

Level: (low/med) LOW Date Received: 05/06/2005

% Solids: 0.0

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 200 | U | | P |
| 7440-36-0 | Antimony | 60.0 | U | | P |
| 7440-38-2 | Arsenic | 10.0 | U | | P |
| 7440-39-3 | Barium | 200 ~~17.8~~ | ~~J~~ | U E | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 5.0 | U | | P |
| 7440-70-2 | Calcium | 432000 | | | P |
| 7440-47-3 | Chromium | 10.0 ~~2.2~~ | ~~J~~ | U | P |
| 7440-48-4 | Cobalt | 50.0 ~~4.1~~ | ~~J~~ | U | P |
| 7440-50-8 | Copper | 10.7 | J | | P |
| 7439-89-6 | Iron | 200 | | E | P |
| 7439-92-1 | Lead | 10.0 | U | | P |
| 7439-95-4 | Magnesium | 110000 | | | P |
| 7439-96-5 | Manganese | 565 | | | P |
| 7439-97-6 | Mercury | 0.20 ~~0.10~~ | ~~J~~ | U | CV |
| 7440-02-0 | Nickel | 40.0 | U | | P |
| 7440-09-7 | Potassium | 22200 | | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 ~~6.9~~ | ~~J~~ | U | P |
| 7440-23-5 | Sodium | 110000 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 ~~5.5~~ | ~~J~~ | U | P |
| 7440-66-6 | Zinc | 21.5 | J | | P |
| 57-12-5 | Cyanide | | | | NR |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00R7

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) WATER Lab Sample ID: T2711-06

Level: (low/med) LOW Date Received: 05/06/2005

% Solids: 0.0

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 200 ~~191~~ | ~~J~~ | U | P |
| 7440-36-0 | Antimony | 60.0 | U | | P |
| 7440-38-2 | Arsenic | 10.0 ~~8.3~~ | ~~J~~ | U | P |
| 7440-39-3 | Barium | 200 ~~19.0~~ | ~~J~~ | U E | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 5.0 | U | | P |
| 7440-70-2 | Calcium | 413000 | | | P |
| 7440-47-3 | Chromium | 10.0 | U | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 9.3 | J | | P |
| 7439-89-6 | Iron | 871 | | E | P |
| 7439-92-1 | Lead | 10.0 | U | | P |
| 7439-95-4 | Magnesium | 104000 | | | P |
| 7439-96-5 | Manganese | 568 | | | P |
| 7439-97-6 | Mercury | 2.6 | | | CV |
| 7440-02-0 | Nickel | 40.0 | U | | P |
| 7440-09-7 | Potassium | 19700 | | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 102000 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 ~~4.2~~ | ~~J~~ | U | P |
| 7440-66-6 | Zinc | 38.8 | J | | P |
| 57-12-5 | Cyanide | 161 | | | AS |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00S0

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) WATER Lab Sample ID: T2711-07

Level: (low/med) LOW Date Received: 05/06/2005

% Solids: 0.0

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 780 | | | P |
| 7440-36-0 | Antimony | 60.0 | U | | P |
| 7440-38-2 | Arsenic | 10.0 ~~4.2~~ | ~~J~~ U | | P |
| 7440-39-3 | Barium | 200 ~~30.0~~ | ~~J~~ U | E | P |
| 7440-41-7 | Beryllium | 5.0 | U | | P |
| 7440-43-9 | Cadmium | 5.0 | U | | P |
| 7440-70-2 | Calcium | 264000 | | | P |
| 7440-47-3 | Chromium | 10.0 | U | | P |
| 7440-48-4 | Cobalt | 50.0 | U | | P |
| 7440-50-8 | Copper | 3.8 | J | | P |
| 7439-89-6 | Iron | 11700 | | E | P |
| 7439-92-1 | Lead | 10.0 | U | | P |
| 7439-95-4 | Magnesium | 125000 | | | P |
| 7439-96-5 | Manganese | 1520 | | | P |
| 7439-97-6 | Mercury | 0.20 | U | | CV |
| 7440-02-0 | Nickel | 40.0 | U | | P |
| 7440-09-7 | Potassium | 3310 | J | E | P |
| 7782-49-2 | Selenium | 35.0 | U | | P |
| 7440-22-4 | Silver | 10.0 | U | | P |
| 7440-23-5 | Sodium | 31100 | | E | P |
| 7440-28-0 | Thallium | 25.0 | U | | P |
| 7440-62-2 | Vanadium | 50.0 | U | | P |
| 7440-66-6 | Zinc | 37.0 | J | | P |
| 57-12-5 | Cyanide | 591 | | D | AS |
| | | | | | |
| | | | | | |

Color Before: BLUE Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00S3

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) WATER Lab Sample ID: T2711-09

Level: (low/med) LOW Date Received: 05/06/2005

% Solids: 0.0

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | | | | NR |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| 57-12-5 | Cyanide | 586 | | D | AS |
| | | | | | |
| | | | | | |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00S5

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) SOIL Lab Sample ID: T2711-11

Level: (low/med) LOW Date Received: 05/06/2005

% Solids: 59.0

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 7590 | | E | P | |
| 7440-36-0 | Antimony | 10.2 ~~1.4~~ | ~~J~~ | U | P | gk |
| 7440-38-2 | Arsenic | 9.2 | | | P | |
| 7440-39-3 | Barium | 152 | | | P | |
| 7440-41-7 | Beryllium | 0.72 | J | | P | |
| 7440-43-9 | Cadmium | 0.85 | U | | P | |
| 7440-70-2 | Calcium | 5000 | | E | P | |
| 7440-47-3 | Chromium | 15.0 | | | P | |
| 7440-48-4 | Cobalt | 8.5 ~~4.2~~ | ~~J~~ | U | P | gk |
| 7440-50-8 | Copper | 25.4 | | | P | |
| 7439-89-6 | Iron | 21600 | | | P | |
| 7439-92-1 | Lead | 65.8 | | | P | |
| 7439-95-4 | Magnesium | 1460 | | E | P | |
| 7439-96-5 | Manganese | 168 | | | P | |
| 7439-97-6 | Mercury | 0.20 | | | CV | |
| 7440-02-0 | Nickel | 9.3 | | | P | |
| 7440-09-7 | Potassium | 437 | J | | P | |
| 7782-49-2 | Selenium | 5.9 ~~1.8~~ | ~~J~~ | U | P | gk |
| 7440-22-4 | Silver | 1.7 | U | | P | |
| 7440-23-5 | Sodium | 300 | J | | P | |
| 7440-28-0 | Thallium | 4.2 | U | | P | |
| 7440-62-2 | Vanadium | 19.8 | | | P | |
| 7440-66-6 | Zinc | 139 | | | P | |
| 57-12-5 | Cyanide | 4.2 ~~5.1~~ | ~~J~~ | U | AS | gk |
| | | | | | | |
| | | | | | | |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00S7

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) SOIL Lab Sample ID: T2711-15

Level: (low/med) LOW Date Received: 05/06/2005

% Solids: 89.2

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 3240 | | E | P | |
| 7440-36-0 | Antimony | 6.6 | U | | P | |
| 7440-38-2 | Arsenic | 10.3 | | | P | |
| 7440-39-3 | Barium | 66.7 | | | P | |
| 7440-41-7 | Beryllium | 0.66 | | | P | |
| 7440-43-9 | Cadmium | 0.55 | U | | P | |
| 7440-70-2 | Calcium | 14800 | | E | P | |
| 7440-47-3 | Chromium | 18.7 | | | P | |
| 7440-48-4 | Cobalt | 5.5 ~~4.1~~ | ~~J~~ | U | P | JH |
| 7440-50-8 | Copper | 35.3 | | | P | |
| 7439-89-6 | Iron | 39500 | | | P | |
| 7439-92-1 | Lead | 81.3 | | | P | |
| 7439-95-4 | Magnesium | 3970 | | E | P | |
| 7439-96-5 | Manganese | 729 | | | P | |
| 7439-97-6 | Mercury | 0.94 | | | CV | |
| 7440-02-0 | Nickel | 14.4 | | | P | |
| 7440-09-7 | Potassium | 532 | J | | P | |
| 7782-49-2 | Selenium | 3.8 ~~2.3~~ | ~~J~~ | U | P | JH |
| 7440-22-4 | Silver | 1.1 ~~0.19~~ | ~~J~~ | U | P | JH |
| 7440-23-5 | Sodium | 310 | J | | P | |
| 7440-28-0 | Thallium | 2.7 ~~1.1~~ | ~~J~~ | U | P | JH |
| 7440-62-2 | Vanadium | 14.0 | | | P | |
| 7440-66-6 | Zinc | 255 | | | P | |
| 57-12-5 | Cyanide | 3.3 | | | AS | |
| | | | | | | |
| | | | | | | |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00S9

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) SOIL Lab Sample ID: T2711-17

Level: (low/med) LOW Date Received: 05/06/2005

% Solids: 86.8

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1610 | | E | P | |
| 7440-36-0 | Antimony | 6.8 | U | | P | |
| 7440-38-2 | Arsenic | 7.5 | | | P | |
| 7440-39-3 | Barium | 81.1 | | | P | |
| 7440-41-7 | Beryllium | 0.88 | | | P | |
| 7440-43-9 | Cadmium | 0.57 | U | | P | |
| 7440-70-2 | Calcium | 1600 | | E | P | |
| 7440-47-3 | Chromium | 6.4 | | | P | |
| 7440-48-4 | Cobalt | 5.7 ~~5.5~~ | ~~J~~ | U | P | |
| 7440-50-8 | Copper | 18.8 | | | P | |
| 7439-89-6 | Iron | 9200 | | | P | |
| 7439-92-1 | Lead | 7.4 | | | P | |
| 7439-95-4 | Magnesium | 570 ~~456~~ | ~~J~~ | U E | P | |
| 7439-96-5 | Manganese | 50.9 | | | P | |
| 7439-97-6 | Mercury | 0.12 ~~0.09~~ | ~~J~~ | U | CV | |
| 7440-02-0 | Nickel | 9.2 | | | P | |
| 7440-09-7 | Potassium | 218 | J | | P | |
| 7782-49-2 | Selenium | 4.0 ~~0.92~~ | ~~J~~ | U | P | |
| 7440-22-4 | Silver | 1.1 | U | | P | |
| 7440-23-5 | Sodium | 101 | J | | P | |
| 7440-28-0 | Thallium | 2.9 | U | | P | |
| 7440-62-2 | Vanadium | 14.5 | | | P | |
| 7440-66-6 | Zinc | 13.5 | | | P | |
| 57-12-5 | Cyanide | 2.9 ~~0.14~~ | ~~J~~ | U | AS | |
| | | | | | | |
| | | | | | | |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

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 |
| Aluminum | 200.000 | U | 200.000 | U | 200.000 | U | 200.000 | U | 13.70 | J | P |
| Antimony | 60.000 | U | 60.000 | U | 60.000 | U | 60.000 | U | 60.00 | U | P |
| Arsenic | 10.000 | U | 10.000 | U | 4.260 | J | 10.000 | U | 10.00 | U | P |
| Barium | -12.945 | J | -5.520 | J | -4.400 | J | -14.025 | J | -12.82 | J | P |
| Beryllium | 5.000 | U | 5.000 | U | 5.000 | U | 5.000 | U | 5.00 | U | P |
| Cadmium | -1.505 | J | 5.000 | U | 5.000 | U | 5.000 | U | -0.73 | J | P |
| Calcium | -14.350 | J | 5000.000 | U | 11.155 | J | 68.175 | J | 5000.00 | U | P |
| Chromium | 10.000 | U | 10.000 | U | -1.585 | J | -1.820 | J | 10.00 | U | P |
| Cobalt | 50.000 | U | 50.000 | U | -1.965 | J | -2.925 | J | 50.00 | U | P |
| Copper | 25.000 | U | 25.000 | U | 25.000 | U | 25.000 | U | 0.70 | J | P |
| Iron | 13.020 | J | 100.000 | U | 100.000 | U | -44.270 | J | 25.13 | J | P |
| Lead | -3.540 | J | 10.000 | U | 10.000 | U | -4.075 | J | -3.05 | J | P |
| Magnesium | 5000.000 | U | 5000.000 | U | 5000.000 | U | 5000.000 | U | 16.62 | J | P |
| Manganese | -1.355 | J | -1.330 | J | -1.200 | J | -2.105 | J | -1.81 | J | P |
| Mercury | -.073 ~~0.200~~ | ~~U~~ J | 0.141 | J | 0.200 | U | 0.116 | J | -0.08 | J | CV |
| Nickel | 40.000 | U | -1.270 | J | -1.860 | J | 40.000 | U | -1.18 | J | P |
| Potassium | 5000.000 | U | 5000.000 | U | 5000.000 | U | 5000.000 | U | 5000.00 | U | P |
| Selenium | 35.000 | U | 35.000 | U | 35.000 | U | 35.000 | U | 35.00 | U | P |
| Silver | 1.770 | J | 10.000 | U | -1.860 | J | -4.635 | J | 1.95 | J | P |
| Sodium | 5000.000 | U | 5000.000 | U | 5000.000 | U | 5000.000 | U | -28.43 | J | P |
| Thallium | 25.000 | U | -11.685 | J | -8.895 | J | 25.000 | U | -9.69 | J | P |
| Vanadium | 50.000 | U | -1.270 | J | -2.730 | J | -2.515 | J | 50.00 | U | P |
| Zinc | 60.000 | U | 60.000 | U | 60.000 | U | 60.000 | U | -1.96 | J | P |
| Cyanide | 1.360 | J | 1.740 | J | 1.420 | J | 0.810 | J | 1.69 | J | AS |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or 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 | | | 200.000 | U | 200.000 | U | 200.000 | U | | | P |
| Antimony | | | 60.000 | U | 60.000 | U | 60.000 | U | | | P |
| Arsenic | | | 10.000 | U | 10.000 | U | 10.000 | U | | | P |
| Barium | | | -14.185 | J | -12.280 | J | -10.315 | J | | | P |
| Beryllium | | | 5.000 | U | 5.000 | U | 5.000 | U | | | P |
| Cadmium | | | -1.190 | J | 5.000 | U | 5.000 | U | | | P |
| Calcium | | | -13.820 | J | 26.415 | J | 5000.000 | U | | | P |
| Chromium | | | -1.405 | J | 10.000 | U | 10.000 | U | | | P |
| Cobalt | | | 50.000 | U | 50.000 | U | 50.000 | U | | | P |
| Copper | | | 25.000 | U | 25.000 | U | 25.000 | U | | | P |
| Iron | | | -18.855 | J | 100.000 | U | 11.120 | J | | | P |
| Lead | | | 10.000 | U | 10.000 | U | 10.000 | U | | | P |
| Magnesium | | | 5000.000 | U | 5000.000 | U | 5000.000 | U | | | P |
| Manganese | | | -1.945 | J | -1.715 | J | -1.285 | J | | | P |
| Mercury | | | | | | | | | | | NR |
| Nickel | | | -3.045 | J | -2.295 | J | -1.715 | J | | | P |
| Potassium | | | 5000.000 | U | 5000.000 | U | 5000.000 | U | | | P |
| Selenium | | | 8.385 | J | 8.225 | J | 35.000 | U | | | P |
| Silver | | | 2.420 | J | 4.145 | J | -1.500 | J | | | P |
| Sodium | | | 5000.000 | U | 5000.000 | U | 5000.000 | U | | | P |
| Thallium | | | -9.955 | J | 25.000 | U | 25.000 | U | | | P |
| Vanadium | | | 50.000 | U | 50.000 | U | 50.000 | U | | | P |
| Zinc | | | 60.000 | U | 60.000 | U | 60.000 | U | | | P |
| Cyanide | | | | | | | | | | | NR |
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USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or 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 | | | 15.460 | J | 200.000 | U | 200.000 | U | | | P |
| Antimony | | | 16.905 | J | 10.045 | J | 12.995 | J | | | P |
| Arsenic | | | 6.030 | J | 3.190 | J | 10.000 | U | | | P |
| Barium | | | 7.515 | J | 8.875 | J | 1.965 | J | | | P |
| Beryllium | | | 5.000 | U | 5.000 | U | 5.000 | U | | | P |
| Cadmium | | | 1.305 | J | 0.965 | J | 5.000 | U | | | P |
| Calcium | | | -91.905 | J | -101.580 | J | -107.705 | J | | | P |
| Chromium | | | 1.080 | J | 1.490 | J | 10.000 | U | | | P |
| Cobalt | | | 2.630 | J | 50.000 | U | 50.000 | U | | | P |
| Copper | | | 25.000 | U | 25.000 | U | 25.000 | U | | | P |
| Iron | | | 100.000 | U | -27.115 | J | -43.315 | J | | | P |
| Lead | | | 3.165 | J | 3.195 | J | 10.000 | U | | | P |
| Magnesium | | | 5000.000 | U | -20.405 | J | -21.215 | J | | | P |
| Manganese | | | 1.190 | J | 1.455 | J | 15.000 | U | | | P |
| Mercury | | | | | | | | | | | NR |
| Nickel | | | 2.530 | J | 1.240 | J | 1.195 | J | | | P |
| Potassium | | | 5000.000 | U | 5000.000 | U | 5000.000 | U | | | P |
| Selenium | | | 35.000 | U | 35.000 | U | 35.000 | U | | | P |
| Silver | | | 3.745 | J | 4.480 | J | 4.595 | J | | | P |
| Sodium | | | 5000.000 | U | 5000.000 | U | 5000.000 | U | | | P |
| Thallium | | | 25.000 | U | 25.000 | U | 25.000 | U | | | P |
| Vanadium | | | 2.610 | J | 2.430 | J | 1.230 | J | | | P |
| Zinc | | | 60.000 | U | 60.000 | U | 60.000 | U | | | P |
| Cyanide | | | | | | | | | | | NR |
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USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

ICP-AES Instrument ID: P3 ICS Source: EPA-LV

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 | 244000 | 248000 | | | | | 242000 | 99 | 235000 | 95 |
| Antimony | 0 | 585 | | | | | 2.3 | | 628 | 107 |
| Arsenic | 0 | 97.0 | | | | | 4.4 | | 103 | 106 |
| Barium | 2.0 | 475 | | | | | -12.5 | -625 | 514 | 108 |
| Beryllium | 0 | 482 | | | | | 0.28 | | 503 | 104 |
| Cadmium | 0 | 916 | | | | | -0.60 | | 1020 | 111 |
| Calcium | 234000 | 234000 | | | | | 261000 | 112 | 256000 | 109 |
| Chromium | 36.0 | 506 | | | | | 38.3 | 106 | 521 | 103 |
| Cobalt | 3.0 | 455 | | | | | 2.1 | 70 | 479 | 105 |
| Copper | 15.0 | 537 | | | | | 7.7 | 51 | 547 | 102 |
| Iron | 94900 | 95100 | | | | | 99900 | 105 | 98600 | 104 |
| Lead | 5.0 | 51.0 | | | | | -4.3 | -86 | 48.0 | 94 |
| Magnesium | 249000 | 254000 | | | | | 260000 | 104 | 254000 | 100 |
| Manganese | 19.0 | 483 | | | | | 19.4 | 102 | 528 | 109 |
| Nickel | 10.0 | 930 | | | | | 11.8 | 118 | 988 | 106 |
| Potassium | 0 | 0 | | | | | 129 | | -16.6 | |
| Selenium | 0 | 51.0 | | | | | 2.2 | | 50.3 | 99 |
| Silver | 0 | 210 | | | | | -2.4 | | 213 | 101 |
| Sodium | 0 | 0 | | | | | 1000 | | 916 | |
| Thallium | 0 | 96.0 | | | | | -2.9 | | 99.9 | 104 |
| Vanadium | 1.0 | 481 | | | | | -0.88 | -88 | 501 | 104 |
| Zinc | 39.0 | 975 | | | | | 29.2 | 75 | 1030 | 106 |
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USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

ICP-AES Instrument ID: P3 ICS Source: EPA-LV

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 | 244000 | 248000 | | | | | 239000 | 98 | 228000 | 92 |
| Antimony | 0 | 585 | | | | | 10.3 | | 599 | 102 |
| Arsenic | 0 | 97.0 | | | | | -0.93 | | 95.9 | 99 |
| Barium | 2.0 | 475 | | | | | -12.5 | -625 | 498 | 105 |
| Beryllium | 0 | 482 | | | | | 0.36 | | 482 | 100 |
| Cadmium | 0 | 916 | | | | | -0.54 | | 972 | 106 |
| Calcium | 234000 | 234000 | | | | | 245000 | 105 | 234000 | 100 |
| Chromium | 36.0 | 506 | | | | | 37.4 | 104 | 502 | 99 |
| Cobalt | 3.0 | 455 | | | | | 2.6 | 87 | 456 | 100 |
| Copper | 15.0 | 537 | | | | | 7.0 | 47 | 528 | 98 |
| Iron | 94900 | 95100 | | | | | 95900 | 101 | 91700 | 96 |
| Lead | 5.0 | 51.0 | | | | | 1.1 | 22 | 51.2 | 100 |
| Magnesium | 249000 | 254000 | | | | | 247000 | 99 | 235000 | 93 |
| Manganese | 19.0 | 483 | | | | | 17.4 | 92 | 503 | 104 |
| Nickel | 10.0 | 930 | | | | | 10.9 | 109 | 946 | 102 |
| Potassium | 0 | 0 | | | | | 101 | | -33.7 | |
| Selenium | 0 | 51.0 | | | | | 9.9 | | 55.1 | 108 |
| Silver | 0 | 210 | | | | | -3.5 | | 205 | 98 |
| Sodium | 0 | 0 | | | | | 983 | | 1010 | |
| Thallium | 0 | 96.0 | | | | | -0.88 | | 102 | 106 |
| Vanadium | 1.0 | 481 | | | | | -0.14 | -14 | 484 | 101 |
| Zinc | 39.0 | 975 | | | | | 28.8 | 74 | 981 | 101 |
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USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

ICP-AES Instrument ID: P3 ICS Source: EPA-LV

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 | 244000 | 248000 | | | | | 233000 | 95 | 230000 | 93 |
| Antimony | 0 | 585 | | | | | 7.5 | | 602 | 103 |
| Arsenic | 0 | 97.0 | | | | | 5.4 | | 96.5 | 99 |
| Barium | 2.0 | 475 | | | | | -0.46 | -23 | 504 | 106 |
| Beryllium | 0 | 482 | | | | | 0.43 | | 472 | 98 |
| Cadmium | 0 | 916 | | | | | -0.39 | | 962 | 105 |
| Calcium | 234000 | 234000 | | | | | 248000 | 106 | 245000 | 105 |
| Chromium | 36.0 | 506 | | | | | 37.4 | 104 | 498 | 98 |
| Cobalt | 3.0 | 455 | | | | | 3.5 | 117 | 454 | 100 |
| Copper | 15.0 | 537 | | | | | 9.5 | 63 | 496 | 92 |
| Iron | 94900 | 95100 | | | | | 94600 | 100 | 93500 | 98 |
| Lead | 5.0 | 51.0 | | | | | -0.62 | -12 | 53.5 | 105 |
| Magnesium | 249000 | 254000 | | | | | 246000 | 99 | 242000 | 95 |
| Manganese | 19.0 | 483 | | | | | 17.6 | 93 | 502 | 104 |
| Nickel | 10.0 | 930 | | | | | 12.7 | 127 | 938 | 101 |
| Potassium | 0 | 0 | | | | | 19.1 | | 43.8 | |
| Selenium | 0 | 51.0 | | | | | -7.6 | | 45.9 | 90 |
| Silver | 0 | 210 | | | | | 2.3 | | 204 | 97 |
| Sodium | 0 | 0 | | | | | 879 | | 928 | |
| Thallium | 0 | 96.0 | | | | | 1.7 | | 114 | 119 |
| Vanadium | 1.0 | 481 | | | | | 0.040 | 4 | 477 | 99 |
| Zinc | 39.0 | 975 | | | | | 37.5 | 96 | 975 | 100 |
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USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

**ME00R2S**

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) WATER Level: (low/med) LOW

% Solids for Sample: 0.0

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

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 75-125 | 2307.2900 | | 99.4700 | J | 2000.00 | 110 | | P |
| Antimony | 75-125 | 112.5200 | | 5.1400 | J | 100.00 | 107 | | P |
| Arsenic | 75-125 | 50.5000 | | 5.4850 | J | 40.00 | 113 | | P |
| Barium | 75-125 | 2378.5100 | | 39.9100 | J | 2000.00 | 117 | | P |
| Beryllium | 75-125 | 56.4150 | | 5.0000 | U | 50.00 | 113 | | P |
| Cadmium | 75-125 | 55.9600 | | 5.0000 | U | 50.00 | 112 | | P |
| Calcium | | | | | | | | | NR |
| Chromium | 75-125 | 221.9100 | | 10.0000 | U | 200.00 | 111 | | P |
| Cobalt | 75-125 | 542.0800 | | 50.0000 | U | 500.00 | 108 | | P |
| Copper | 75-125 | 275.6400 | | 5.3300 | J | 250.00 | 108 | | P |
| Iron | 75-125 | 1624.9550 | | 489.2600 | | 1000.00 | 114 | | P |
| Lead | 75-125 | 19.7000 | | 10.0000 | U | 20.00 | 99 | | P |
| Magnesium | | | | | | | | | NR |
| Manganese | 75-125 | 1138.2000 | | 570.1000 | | 500.00 | 114 | | P |
| Mercury | 75-125 | 1.1160 | | 0.2000 | U | 1.00 | 112 | | CV |
| Nickel | 75-125 | 549.9100 | | 40.0000 | U | 500.00 | 110 | | P |
| Potassium | | | | | | | | | NR |
| Selenium | 75-125 | 52.6000 | | 35.0000 | U | 50.00 | 105 | | P |
| Silver | 75-125 | 49.9050 | | 10.0000 | U | 50.00 | 100 | | P |
| Sodium | | | | | | | | | NR |
| Thallium | 75-125 | 47.1900 | | 25.0000 | U | 50.00 | 94 | | P |
| Vanadium | 75-125 | 569.9950 | | 50.0000 | U | 500.00 | 114 | | P |
| Zinc | 75-125 | 575.9250 | | 25.0900 | J | 500.00 | 110 | | P |
| Cyanide | 75-125 | 156.5000 | | 61.1500 | | 100.00 | 95 | | AS |
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Comments:

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

ME00R2D

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) WATER Level: (low/med) LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|---|---|---|---|---|---|---|---|---|
| Aluminum | | 99.4700 | J | 89.0400 | J | 11 | | P |
| Antimony | | 5.1400 | J | 60.0000 | U | 200 | | P |
| Arsenic | | 5.4850 | J | 10.0000 | U | 200 | | P |
| Barium | | 39.9100 | J | 40.6800 | J | 2 | | P |
| Beryllium | | 5.0000 | U | 5.0000 | U | | | P |
| Cadmium | | 5.0000 | U | 5.0000 | U | | | P |
| Calcium | | 134843.6000 | | 135288.8750 | | 0 | | P |
| Chromium | | 10.0000 | U | 10.0000 | U | | | P |
| Cobalt | | 50.0000 | U | 50.0000 | U | | | P |
| Copper | | 5.3300 | J | 6.9600 | J | 27 | | P |
| Iron | 100.0 | 489.2600 | | 483.3800 | | 1 | | P |
| Lead | | 10.0000 | U | 10.0000 | U | | | P |
| Magnesium | | 59732.4800 | | 59893.2650 | | 0 | | P |
| Manganese | | 570.1000 | | 571.5450 | | 0 | | P |
| Mercury | | 0.2000 | U | 0.2000 | U | | | CV |
| Nickel | | 40.0000 | U | 40.0000 | U | | | P |
| Potassium | 5000.0 | 12706.6050 | | 12842.5450 | | 1 | | P |
| Selenium | | 35.0000 | U | 35.0000 | U | | | P |
| Silver | | 10.0000 | U | 1.5600 | J | 200 | | P |
| Sodium | | 60733.0100 | | 60947.8600 | | 0 | | P |
| Thallium | | 25.0000 | U | 25.0000 | U | | | P |
| Vanadium | | 50.0000 | U | 50.0000 | U | | | P |
| Zinc | | 25.0900 | J | 24.0850 | J | 4 | | P |
| Cyanide | | 61.1500 | | 59.7600 | | 2 | | AS |
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USEPA - CLP

8-IN
ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

**ME00R2L**

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Matrix: (soil/water) Water Level: (low/med) LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Aluminum | 99.47 | J | 48.80 | J | 51 | | P |
| Antimony | 5.14 | J | 300.00 | U | 100 | | P |
| Arsenic | 5.49 | J | 50.00 | U | 100 | | P |
| Barium | 39.91 | J | 1000.00 | U | 100 | E | P |
| Beryllium | 5.00 | U | 25.00 | U | | | P |
| Cadmium | 5.00 | U | 25.00 | U | | | P |
| Calcium | 134843.60 | | 137931.45 | | 2 | | P |
| Chromium | 10.00 | U | 50.00 | U | | | P |
| Cobalt | 50.00 | U | 250.00 | U | | | P |
| Copper | 5.33 | J | 100.73 | J | 1790 | | P |
| Iron | 489.26 | | 901.28 | | 84 | E | P |
| Lead | 10.00 | U | 50.00 | U | | | P |
| Magnesium | 59732.48 | | 62008.80 | | 4 | | P |
| Manganese | 570.10 | | 570.63 | | 0 | | P |
| Nickel | 40.00 | U | 200.00 | U | | | P |
| Potassium | 12706.61 | | 11245.08 | J | 12 | E | P |
| Selenium | 35.00 | U | 175.00 | U | | | P |
| Silver | 10.00 | U | 50.00 | U | | | P |
| Sodium | 60733.01 | | 81235.38 | | 34 | E | P |
| Thallium | 25.00 | U | 125.00 | U | | | P |
| Vanadium | 50.00 | U | 250.00 | U | | | P |
| Zinc | 25.09 | J | 20.95 | J | 17 | | P |
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USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Instrument Type: AS Instrument ID: CN Date: 04/13/2005

Preparation Method: DS2

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

| Analyte | Wavelength /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | | 20 | |
| Antimony | | 6 | |
| Arsenic | | 1 | |
| Barium | | 20 | |
| Beryllium | | 0.5 | |
| Cadmium | | 0.5 | |
| Calcium | | 500 | |
| Chromium | | 1 | |
| Cobalt | | 5 | |
| Copper | | 2.5 | |
| Iron | | 10 | |
| Lead | | 1 | |
| Magnesium | | 500 | |
| Manganese | | 1.5 | |
| Mercury | | 0.1 | |
| Nickel | | 4 | |
| Potassium | | 500 | |
| Selenium | | 3.5 | |
| Silver | | 1 | |
| Sodium | | 500 | |
| Thallium | | 2.5 | |
| Vanadium | | 5 | |
| Zinc | | 6 | |
| Cyanide | 578.00 | 2.5 | 0.050 |
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Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Instrument Type: AS Instrument ID: CN Date: 04/13/2005

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wavelength /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | | 200 | |
| Antimony | | 60 | |
| Arsenic | | 10 | |
| Barium | | 200 | |
| Beryllium | | 5 | |
| Cadmium | | 5 | |
| Calcium | | 5000 | |
| Chromium | | 10 | |
| Cobalt | | 50 | |
| Copper | | 25 | |
| Iron | | 100 | |
| Lead | | 10 | |
| Magnesium | | 5000 | |
| Manganese | | 15 | |
| Mercury | | 0.2 | |
| Nickel | | 40 | |
| Potassium | | 5000 | |
| Selenium | | 35 | |
| Silver | | 10 | |
| Sodium | | 5000 | |
| Thallium | | 25 | |
| Vanadium | | 50 | |
| Zinc | | 60 | |
| Cyanide | 578.00 | 10 | 0.49 |
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Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Instrument Type: CV Instrument ID: CV2 Date: 02/20/2005

Preparation Method: CW1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wavelength /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | | 200 | |
| Antimony | | 60 | |
| Arsenic | | 10 | |
| Barium | | 200 | |
| Beryllium | | 5 | |
| Cadmium | | 5 | |
| Calcium | | 5000 | |
| Chromium | | 10 | |
| Cobalt | | 50 | |
| Copper | | 25 | |
| Iron | | 100 | |
| Lead | | 10 | |
| Magnesium | | 5000 | |
| Manganese | | 15 | |
| Mercury | 253.70 | 0.2 | 0.044 |
| Nickel | | 40 | |
| Potassium | | 5000 | |
| Selenium | | 35 | |
| Silver | | 10 | |
| Sodium | | 5000 | |
| Thallium | | 25 | |
| Vanadium | | 50 | |
| Zinc | | 60 | |
| Cyanide | | 10 | |
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Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Instrument Type: P Instrument ID: P3 Date: 04/15/2005

Preparation Method: HS1

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

| Analyte | Wavelength /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | 308.20 | 20 | 1.3 |
| Antimony | 206.80 | 6 | 0.69 |
| Arsenic | 189.00 | 1 | 0.34 |
| Barium | 493.40 | 20 | 0.11 |
| Beryllium | 313.00 | 0.5 | 0.040 |
| Cadmium | 226.50 | 0.5 | 0.090 |
| Calcium | 317.90 | 500 | 1.4 |
| Chromium | 267.70 | 1 | 0.14 |
| Cobalt | 228.60 | 5 | 0.14 |
| Copper | 324.70 | 2.5 | 0.45 |
| Iron | 271.40 | 10 | 1.1 |
| Lead | 220.30 | 1 | 0.17 |
| Magnesium | 279.00 | 500 | 1.5 |
| Manganese | 257.60 | 1.5 | 0.070 |
| Mercury | | 0.1 | |
| Nickel | 231.60 | 4 | 0.12 |
| Potassium | 766.40 | 500 | 11.4 |
| Selenium | 196.00 | 3.5 | 0.30 |
| Silver | 328.00 | 1 | 0.16 |
| Sodium | 588.90 | 500 | 7.5 |
| Thallium | 190.80 | 2.5 | 0.76 |
| Vanadium | 292.40 | 5 | 0.080 |
| Zinc | 206.20 | 6 | 0.14 |
| Cyanide | | 2.5 | |
| | | | |
| | | | |
| | | | |
| | | | |

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Instrument Type: P Instrument ID: P3 Date: 04/15/2005

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Wavelength /Mass | CRQL | MDL |
|---|---|---|---|
| Aluminum | 308.20 | 200 | 14.6 |
| Antimony | 206.80 | 60 | 9.2 |
| Arsenic | 189.00 | 10 | 3.1 |
| Barium | 493.40 | 200 | 1.7 |
| Beryllium | 313.00 | 5 | 0.31 |
| Cadmium | 226.50 | 5 | 0.89 |
| Calcium | 317.90 | 5000 | 10.4 |
| Chromium | 267.70 | 10 | 0.93 |
| Cobalt | 228.60 | 50 | 1.7 |
| Copper | 324.70 | 25 | 4.3 |
| Iron | 271.40 | 100 | 10.3 |
| Lead | 220.30 | 10 | 2.6 |
| Magnesium | 279.00 | 5000 | 14.1 |
| Manganese | 257.60 | 15 | 0.49 |
| Mercury | | 0.2 | |
| Nickel | 231.60 | 40 | 1.1 |
| Potassium | 766.40 | 5000 | 75.5 |
| Selenium | 196.00 | 35 | 6.1 |
| Silver | 328.00 | 10 | 0.87 |
| Sodium | 588.90 | 5000 | 73.3 |
| Thallium | 190.80 | 25 | 8.6 |
| Vanadium | 292.40 | 50 | 1.1 |
| Zinc | 206.20 | 60 | 8.9 |
| Cyanide | | 10 | |
| | | | |
| | | | |
| | | | |
| | | | |

Comments:

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34166 NRAS No.: _____ SDG No.: ME00R1

Preparation Method: DS2

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|---|---|---|---|
| ICV | 05/08/2005 | | 50 |
| LCSS | 05/08/2005 | 1.00 | 50 |
| ME00S5 | 05/08/2005 | 1.00 | 50 |
| ME00S5D | 05/08/2005 | 1.00 | 50 |
| ME00S5S | 05/08/2005 | 1.00 | 50 |
| ME00S6 | 05/08/2005 | 1.00 | 50 |
| ME00S7 | 05/08/2005 | 1.00 | 50 |
| ME00S8 | 05/08/2005 | 1.00 | 50 |
| ME00S9 | 05/08/2005 | 1.00 | 50 |
| ME00T0 | 05/08/2005 | 1.00 | 50 |
| MIDRANGE | 05/08/2005 | | 50 |
| PBS | 05/08/2005 | 1.00 | 50 |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: ME00R1 CERCLIS No: ILN000509241

Case No: 34166 Site Name/Location: Acme Steel Coke Plant

Contractor or EPA Lab: ChemTech Data User: IEPA

No. of Samples: 17 Date Sampled or Date Received: 5/27/05

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: ____ No. of samples received: ____

Received by: Michelle Davis Date: 5/27/05

Received by LSSS: Michelle Davis Date: 6/3/05

Review started: 6-20-05 Reviewer Signature: J Gary

Total time spent on review: 23 Date review completed: 6-27-05

Copied by: ____ Date: ____

Mailed to user by: James D. Burden Date: 6-28-05

**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: ____

BDATE: June 23, 2005

RECEIVED
JUN 28 2005
IEPA-BOL-FSRS

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

Attn: Bob Casper

SITE NAME: ACME Steel Coke Plant, (IL)

| CASE NO. | LAB | NO. OF SAMPLES | SDG | MATRIX |
|---|---|---|---|---|
| 34166 | Compuchem | 6 | E00S5 | 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.

Signature:_____ Date:_____

FROM: U.S. EPA
Region 5
Central Regional Laboratory
536 S. Clark, 10th Floor
CHICAGO, IL 60605

Sent By: James D Burden, Chemist ESAT Region 5 / ALION Science & Technology

**Regional Transmittal Form**

**UNITED STATED ENVIROMENTAL PROTECTION AGENCY**
**REGION V**
**SUPERFUND DIVISION**

DATE: _____

SUBJECT: Review of Data
Received for review on 05-26-2005

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

TO: Data User: IEPA

We have reviewed the data for the following case:

Site Name: Acme Steel Coke Plant (IL)

Case Number: 34166 SDG Number: E00S5

Number and Type of Samples: 6 soil samples

Sample Numbers: E00S5 – E00S9, E00T0

Laboratory: Compuchem Hrs for review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

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

Six (6) soil samples, numbered E00S5 – E00S9 and E00T0, were collected on 05/03-04/2005. The laboratory received the samples on 05/06/2005. The cooler contains the samples were 8°C upon receipt. All samples were analyzed for the full list of organic analytes according to CLP SOW OLM04.3.

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

## 1. HOLDING TIME

No problems were found for this qualification.

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

No problems were found for this qualification.

## 3. CALIBRATION

The following semivolatile 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".

Atrazine
E00S5, E00S5MS, E00S5MSD, E00S7, E00S7DL, E00S9, E00T0, SBLKIN

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, 2,4-Dinitrophenol
E00S5, E00S5MS, E00S5MSD, E00S7, E00S7DL, E00S9, E00T0, SBLKIN

The following semivolatile samples are associated with a continuing calibration relative response factor (RRF20) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

Atrazine
E00S5, E00S5MS, E00S5MSD, E00S6, E00S6MS, E00S6MSD, E00S7, E00S7DL, E00S8, E00S8DL, E00S9, E00T0, SBLKIN, SBLKKM

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, 4-Chloroaniline
E00S5, E00S5MS, E00S5MSD, E00S6, E00S6MS, E00S6MSD, E00S7, E00S7DL, E00S8, E00S8DL, E00S9, E00T0, SBLKIN, SBLKKM

2,2-oxybis(1-Chloropropane)
E00S5, E00S5MS, E00S5MSD, E00S7, E00S7DL, E00S9, E00T0, SBLKIN

N-Nitroso-di-n-propylamine, Isophorone, bis(2-Chloroethoxy)methane, Caprolactam, 2-Nitroaniline, Diethylphthalate

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

E00S9

Hexachlorocyclopentadiene, 4-Nitrophenol
E00S5, E00S5MS, E00S5MSD, E00S7, SBLKIN

2,4-Dinitrophenol, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene
E00S7DL, E00T0

4-Nitroaniline
E00S7DL, E00S9, E00T0

Di-n-octylphthalate
E00S5, E00S5MS, E00S5MSD, E00S7, E00S7DL, E00T0, SBLKIN

## 4. METHOD BLANK

The following volatile samples are associated with a contaminated storage blank. Hits are qualified "J" and non-detects are not flagged.

Methylene Chloride
E00S5, E00S5MS, E00S5MSD, E00S6, E00S7, E00S8, E00S9, E00S9RE, E00T0

## 5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following volatile samples have system monitoring compound recoveries above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

E00S9

The following volatile samples have system monitoring compound recoveries above the upper limit of the criteria window. Hits and non-detects are qualified below.

E00S9RE

The following volatile samples have one or more system monitoring compound recovery values below the lower limit of the criteria window. Hits are biased low and qualified "J" and non-detects are qualified "UJ".

E00S9RE

The following pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

E00S6, E00S7, E00T0

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

The following diluted pesticide samples have surrogate percent recoveries above the QC limits. Hits and non-detects are not qualified due to the samples were analyzed at the dilution of greater than or equal to 5 folds.

E00S6DL, E00S7DL, E00S8, E00S8DL, E00T0DL

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. Sample results for the outlier compounds in the unspiked sample E00S5 are estimated "J" and non-detects "UJ".

E00S5MS, E00S5MSD
1,1-Dichloroethene, Toluene, Chlorobenzene

The following volatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Sample results for the outlier compounds in the unspiked sample E00S5 are estimated "J" and non-detects "UJ".

E00S5MS, E00S5MSD
1,1-Dichloroethene, Benzene, Trichloroethene, Toluene, Chlorobenzene

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Sample results for the outlier compounds in the unspiked sample E00S5 are estimated "J" and non-detects "UJ".

E00S5MS, E00S5MSD
Acenaphthene, Pyrene

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Sample results for the outlier compounds in the unspiked sample E00S6 are estimated "J" and non-detects "UJ".

E00S6MS, E00S6MSD
Pyrene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limits. Sample results for the outlier compounds in the unspiked sample E00S5 are estimated "J" and no qualification for non-detects.

E00S5MSD
4-Nitrophenol

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery below the QC limits. Sample results for the outlier compounds in the unspiked sample E00S5 are estimated "J" and non-detects "UJ".

E00S5MSD
Pyrene

## 7. FIELD BLANK AND FIELD DUPLICATE

None of the samples in this sample delivery group were identified as field duplicates or field blanks. Results are not qualified based upon the results of the QC blanks or field duplicates.

## 8. INTERNAL STANDARDS

The following volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E00S9
4-Methyl-2-pentanone, Toluene, Tetrachloroethene, 2-Hexanone, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, Xylenes (total), Styrene, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene

E00S9RE
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Acetone, Carbon Disulfide, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethane, Methyl tert-Butyl Ether, 1,1-Dichloroethane, cis-1,2-Dichloroethane, 2-Butanone, Chloroform, 1,1,1-Trichloroethane, Cyclohexane, Carbon Tetrachloride, Benzene, 1,2-Dichloroethane, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Dibromochloromethane, Bromoform, 4-Methyl-2-pentanone, Toluene, Tetrachloroethene, 2-Hexanone, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, Xylenes (total), Styrene, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene

## 9. COMPOUND IDENTIFICATION

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

## 10. COMPOUND QUANTITATION AND DETECTION LIMITS

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

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

E00S5, E00T0, VHBLKZS
Methylene Chloride

E00S5MS
Acetone, Methylene Chloride, Trichloroethene, Chlorobenzene

E00S5MSD
Methylene Chloride, Chlorobenzene

E00S8
Toluene, Xylenes (total)

E00S9
Acetone. Methylene Chloride, Benzene

E00S9RE
Methylene Chloride, Benzene

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

E00S5
Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene

E00S5MS
Naphthalene, Phenanthrene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(k)fluoranthene, Dibenzo (a,h) - anthracene, Benzo (g,h,i) perylene

E00S5MSD
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo (a,h) - anthracene

E00S6
Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Carbazole

E00S6MS
Acenaphthylene, Dibenzofuran, Fluorene, Pentachlorophenol, Anthracene, Carbazole

E00S6MSD
Acenaphthylene, Dibenzofuran, Fluorene, Pentachlorophenol, Carbazole

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

E00S7
2-Methylnaphthalene, Acenaphthene, Dibenzofuran

E00S7DL
Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Carbazole

E00S8
2-Methylnaphthalene

E00S8DL
Naphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Carbazole, Dibenzo(a,h)-anthracene

E00S9
Naphthalene, Dibenzofuran, Fluorene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(a)pyrene

E00T0
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Carbazole, Dibenzo (a,h) - anthracene

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

E00S5
Endrin, Methoxychlor, gamma-Chlordane

E00S5MSD
4,4-DDE, Endrin ketone, gamma-Chlordane

E00S6
4,4-DDT

E00S6DL
Heptachlor epoxide, 4,4-DDE, Endrin, 4,4-DDT

E00S7
4,4-DDE, Endosulfan II, 4,4-DDT

E00S7DL
Heptachlor epoxide, 4,4-DDE, Endrin

E00S8
Dieldrin, 4,4-DDE, Endosulfan II

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

E00S8DL
4,4-DDE, Endrin

E00S9
Endrin, 4,4-DDD, 4,4-DDT, Endrin ketone

E00T0DL
delta-BHC, Heptachlor epoxide, 4,4-DDE, Endrin

PBLKIM
beta-BHC, alpha-Chlordane

The following pesticide samples have analytes for which the percent difference between column results exceeds expanded criteria. Hits are qualified "J".

E00S5
4,4-DDE, Endrin, Methoxychlor, gamma-Chlordane

E00S5MS
gamma-BHC (Lindane), Heptachlor, Aldrin, Endrin

E00S5MSD
gamma-BHC (Lindane), gamma-Chlordane

E00S6
Heptachlor epoxide, Dieldrin, Endrin, 4,4-DDT, Endrin ketone, Endrin aldehyde, gamma-Chlordane

E00S6DL
Heptachlor epoxide, 4,4-DDE, Endrin, 4,4-DDT, Endrin ketone

E00S7
Heptachlor epoxide, 4,4-DDE, Endrin, Endosulfan II, 4,4-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, gamma-Chlordane

E00S7DL
Heptachlor epoxide, 4,4-DDE, Endrin

E00S8
Heptachlor epoxide, 4,4-DDE, Endrin, Methoxychlor, Endrin ketone, Endrin aldehyde, gamma-Chlordane

E00S8DL
4,4-DDE, Endrin, Methoxychlor

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

E00S9
beta-BHC, Endrin, 4,4-DDD, 4,4-DDT

E00T0
Heptachlor epoxide, Dieldrin, Endrin, 4,4-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, gamma-Chlordane

E00T0DL
delta-BHC, Heptachlor epoxide, 4,4-DDE, Endrin

PBLKIM
beta-BHC

## 11. SYSTEM PERFORMANCE

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

## 12. ADDITIONAL INFORMATION

SVOA samples E00S6, E00S6MS, E00S6MSD, E00S8 and E00S8DL were analyzed at medium level analysis.

SVOA samples E00S5, E00S5MS, E00S5MSD, E00S7, E00S7DL, E00S9 and E00T0 were analyzed at low level analysis.

The results of 4-Nitrophenol for SVOA samples E00S5MS and E00S5MSD were quantitated outside the calibration range. No further dilution or qualification is required since these samples were used for QC purposes only.

The following SVOA samples have analytes which were quantitated outside the calibration range:

E00S7, E00S8: Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene

The following pesticide samples have analytes which were quantitated outside the calibration range:

E00S6, E00S7, E00T0: Endrin ketone, gamma-Chlordane
E00S8: gamma-Chlordane

For the analyte that exceeded the calibration range in the original sample analysis; the results of the diluted analysis should be considered the sample's analyte concentration.

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00S5

The following semivolatile samples had semivolatile target analytes reported as SV Tentatively Identified Compounds (TIC). Hits for these compounds in the affected semivolatile samples should be qualified "J" and non-detects flagged "UJ".

| Analytes | Cas number | Affected samples |
|---|---|---|
| Fluoranthene | 206-44-0 | E00S7, E00S8 |
| Dibenz(a,h)anthracene | 53-70-3 | E00S6, E00S7, E00S8DL |
| Benzo(k)fluoranthene | 207-08-9 | E00S6, E00S7, E00S7DL, E00S8, E00S8DL |
| Benzo(a)pyrene | 50-32-8 | E00T0 |
| Benzo(ghi)perylene | 91-57-6 | E00S6, E00S7, E00S8, E00S8DL |
| Indeno(1,2,3-cd)Pyrene | 193-39-5 | E00S8 |

Not all TIC results were reported for SVOA samples E00S6, E00S7, E00S7DL, E00S8, E00S8DL and E00T0 on the CADRE TIC report. CADRE did not report any of the TICs whose CAS Numbers corresponded to target analytes. Please, refer to Forms I SV-TIC for the complete list of the TICs detected for SVOA samples E00S6, E00S7, E00S7DL, E00S8, E00S8DL and E00T0.

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 22, 2005

# 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 analyte 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 presence of an analyte for which there is presumptive evidence to make a tentative identification. |
| NJ | The analysis indicates the presence 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.) |

# TIC RESULTS

## Volatile Sample Analysis
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S5 |
| Sample Type: | Spike Original | | |
| Lab ID: | LIBRTY | Location: | X201 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| 75456 | METHANE, CHLORODIFLUORO- | 3.44 | 630 | NJ |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S5 |
| Sample Type: | Spike Original | | |
| Lab ID: | LIBRTY | Location: | X201 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 25.05 | 200 | J |
| | UNKNOWN | 26.08 | 190 | J |
| | UNKNOWN | 27.27 | 160 | J |
| | UNKNOWN | 28.64 | 190 | J |
| | UNKNOWN | 29.23 | 120 | J |
| | UNKNOWN | 31.16 | 190 | J |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S6 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X306 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| 75456 | METHANE, CHLORODIFLUORO- | 3.44 | 490 | NJ |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S6 |
| Sample Type: | Spike Original | | |
| Lab ID: | LIBRTY | Location: | X306 |
| Case No.: | 34166 | Matrix/Level: | Soil/Med |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| 203645 | 4H-CYCLOPENTA[DEF]PHENANTHRENE | 20.09 | 17000 | NJ |
| 2381217 | PYRENE, 1-METHYL- $$ 1-METHYLPYRENE $$ 3 | 21.65 | 18000 | NJ |
| 243174 | 11H-BENZO[B]FLUORENE | 21.74 | 13000 | NJ |
| | UNKNOWN | 21.80 | 11000 | JD |
| | UNKNOWN | 22.59 | 16000 | J |
| | UNKNOWN | 23.09 | 13000 | J |
| 3697243 | CHRYSENE, 5-METHYL- $$ 5-METHYLCHRYSENE | 23.61 | 15000 | NJ |
| | UNKNOWN | 23.80 | 14000 | J |
| | UNKNOWN | 23.87 | 11000 | JD |
| | UNKNOWN | 23.92 | 12000 | J |
| | UNKNOWN | 24.30 | 15000 | J |
| | UNKNOWN | 24.69 | 11000 | JD |
| 207932 | DINAPHTHO[1.2-B:1',2'-D]FURAN | 25.55 | 14000 | NJ |
| 192972 | BENZO[E]PYRENE | 25.76 | 80000 | NJD |
| 205823 | BENZO[J]FLUORANTHENE $$ BENZO-10.11-FLUO | 26.13 | 38000 | NJ |
| 220973 | 11H-INDENO[2.1-A]PHENANTHRENE | 26.22 | 11000 | NJD |
| 3343100 | BENZ[J]ACEANTHRYLENE, 3-METHYL- $$ 1.2-D | 26.55 | 15000 | NJ |
| 241281 | 8H-INDENO[2.1-B]PHENANTHRENE | 26.69 | 13000 | NJ |
| | UNKNOWN | 27.44 | 17000 | J |
| | UNKNOWN | 28.73 | 17000 | J |
| 944616 | BENZENE. 1.2.3.4-TETRACHLORO-5.6-DIMETHO | 28.95 | 33000 | NJ |
| 215587 | BENZO[B]TRIPHENYLENE | 29.64 | 41000 | NJ |
| | UNKNOWN | 29.77 | 12000 | J |
| | UNKNOWN | 29.99 | 14000 | J |
| | UNKNOWN | 30.09 | 11000 | JD |
| | UNKNOWN | 30.97 | 12000 | J |
| | UNKNOWN | 31.46 | 11000 | JD |

*Q. Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S7 |
| Sample Type: | Routine Sample | | |
| Lab ID. | LIBRTY | Location: | X308 |
| Case No. | 34166 | Matrix/Level: | Soil/Low |
| SDG No | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| 75456 | METHANE. CHLORODIFLUORO- | 3.44 | 450 | NJ |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S7 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X308 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| 203645 | 4H-CYCLOPENTA[DEF]PHENANTHRENE | 20.84 | 6800 | NJD |
| 238846 | 11H-BENZO[A]FLUORENE $$ BENZO[A]FLUORENE | 22.74 | 12000 | NJD |
| 243174 | 11H-BENZO[B]FLUORENE $$ 2,3-BENZOFLUOREN | 22.85 | 8100 | NJD |
| 3353126 | PYRENE, 4-METHYL- | 22.90 | 3500 | NJD |
| 243469 | BENZO[B]NAPHTHO[2,3-D]THIOPHENE | 23.72 | 6300 | NJD |
| | UNKNOWN | 23.80 | 13000 | JD |
| 225514 | BENZ[C]ACRIDINE $$ .ALPHA.-CHRYSIDINE $$ | 23.85 | 6900 | NJD |
| | UNKNOWN | 24.32 | 7000 | JD |
| 82053 | 7H-BENZ[DE]ANTHRACEN-7-ONE | 24.40 | 6200 | NJD |
| 34777338 | BENZO(C)CARBAZOLE | 24.48 | 11000 | NJD |
| 243287 | BENZO(B)CARBAZOLE $$ 5H-BENZO[B]CARBAZOL | 24.56 | 8100 | NJD |
| 3351288 | CHRYSENE, 1-METHYL- | 24.79 | 11000 | NJD |
| 3351324 | 2-METHYLCHRYSENE $$ CHRYSENE, 2-METHYL- | 24.85 | 5300 | NJD |
| | UNKNOWN | 24.94 | 8100 | JD |
| | UNKNOWN | 24.98 | 7600 | JD |
| | UNKNOWN | 25.02 | 8400 | JD |
| | UNKNOWN | 25.59 | 4800 | JD |
| | UNKNOWN | 26.74 | 5100 | JD |
| | UNKNOWN | 26.82 | 4900 | JD |
| | UNKNOWN | 27.23 | 6600 | JD |
| 215587 | BENZO[B]TRIPHENYLENE | 28.21 | 7900 | NJD |
| 192654 | 1,2:4,5-DIBENZOPYRENE $$ NAPHTHO[1,2,3,4 | 31.35 | 7400 | NJD |
| 189640 | 3,4:8,9-DIBENZOPYRENE | 31.51 | 5300 | NJD |

*Q. Laboratory Qualifier

**Semivolatile Sample Analysis**
**Tentatively Identified Compounds**

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S7DL |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X308 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 20.83 | 9200 | JD |
| | UNKNOWN | 21.95 | 4600 | JD |
| 3442782 | PYRENE, 2-METHYL- | 22.72 | 14000 | NJD |
| | UNKNOWN | 22.82 | 9700 | JD |
| | UNKNOWN | 22.88 | 4400 | JD |
| 239350 | BENZO[B]NAPHTHO[2,1-D]THIOPHENE $$ BENZO | 23.70 | 5200 | NJD |
| | UNKNOWN | 23.77 | 12000 | JD |
| | UNKNOWN | 24.29 | 6900 | JD |
| | UNKNOWN | 24.45 | 6300 | JD |
| 34777338 | BENZO(C)CARBAZOLE | 24.54 | 4700 | NJD |
| 1705846 | TRIPHENYLENE, 2-METHYL- $$ 2-METHYLTRIPH | 24.76 | 8700 | NJD |
| | UNKNOWN | 24.91 | 6100 | JD |
| | UNKNOWN | 24.95 | 5600 | JD |
| | UNKNOWN | 24.98 | 5500 | JD |
| | UNKNOWN | 26.10 | 9800 | JD |
| 198550 | PERYLENE | 26.45 | 17000 | NJD |
| | UNKNOWN | 26.51 | 4800 | JD |
| | UNKNOWN | 26.70 | 5400 | JD |
| | UNKNOWN | 26.78 | 5400 | JD |
| | UNKNOWN | 27.19 | 4300 | JD |
| | UNKNOWN | 28.17 | 8500 | JD |
| | UNKNOWN | 28.61 | 5300 | JD |
| | UNKNOWN | 28.69 | 6800 | JD |
| | UNKNOWN | 29.14 | 7800 | JD |
| | UNKNOWN | 31.28 | 7700 | JD |
| | UNKNOWN | 31.44 | 5600 | JD |
| | UNKNOWN | 31.53 | 4400 | JD |
| | UNKNOWN | 32.28 | 3400 | JD |

*Q: Laboratory Qualifier

**Volatile Sample Analysis**
**Tentatively Identified Compounds**

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S8 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X309 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| 75456 | METHANE, CHLORODIFLUORO- | 3.44 | 470 | NJ |
| 496117 | INDANE | 14.63 | 20 | NJ |
| 95136 | INDENE | 14.83 | 110 | NJ |
| | SUBSTITUTED BENZENE | 15.13 | 7 | J |
| 17059528 | BENZOFURAN, 7-METHYL- | 15.36 | 23 | NJ |
| 4265252 | BENZOFURAN, 2-METHYL- | 15.46 | 11 | NJ |
| | SUBSTITUTED BENZENE | 15.50 | 18 | J |
| | BRANCHED ALKANE | 15.73 | 36 | J |
| | SUBSTITUTED BENZENE | 15.83 | 14 | J |
| | UNKNOWN | 15.88 | 12 | J |
| 65051834 | BENZENE, (1-METHYL-2-CYCLOPROPEN-1-YL)- | 15.96 | 18 | NJ |
| 15677153 | CYCLOPROP[A]INDENE, 1,1A,6,6A-TETRAHYDRO | 16.07 | 39 | NJ |
| | BRANCHED ALKANE | 16.34 | 45 | J |
| 95158 | BENZO[B]THIOPHENE | 16.79 | 89 | NJ |
| | BRANCHED ALKANE | 17.53 | 27 | J |
| 90120 | NAPHTHALENE, 1-METHYL- | 18.02 | 170 | NJ |

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S8 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X309 |
| Case No.: | 34166 | Matrix/Level: | Soil/Med |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| 203645 | 4H-CYCLOPENTA[DEF]PHENANTHRENE | 20.09 | 300000 | NJD |
| | UNKNOWN | 21.11 | 110000 | JD |
| 33543316 | FLUORANTHENE, 2-METHYL- $$ 2-METHYLFLUOR | 21.52 | 130000 | NJD |
| 238846 | 11H-BENZO[A]FLUORENE $$ BENZO[A]FLUORENE | 21.67 | 370000 | NJD |
| 243174 | 11H-BENZO[B]FLUORENE $$ 2,3-BENZOFLUOREN | 21.75 | 270000 | NJD |
| 3442782 | PYRENE, 2-METHYL- $$ 2-METHYLPYRENE | 21.80 | 200000 | NJD |
| 243469 | BENZO[B]NAPHTHO[2,3-D]THIOPHENE | 22.52 | 120000 | NJD |
| | UNKNOWN | 22.57 | 130000 | JD |
| | UNKNOWN | 22.60 | 260000 | JD |
| | UNKNOWN | 23.11 | 110000 | JD |
| 2381319 | BENZ[A]ANTHRACENE, 8-METHYL- $$ 5-METHYL | 23.62 | 89000 | NJD |
| | UNKNOWN | 23.82 | 90000 | JD |
| | UNKNOWN | 23.89 | 75000 | J |
| | UNKNOWN | 23.93 | 81000 | J |
| 207932 | DINAPHTHO[1,2-B:1',2'-D]FURAN | 25.57 | 65000 | NJ |
| 239850 | 13H-DIBENZO[A,H]FLUORENE | 26.57 | 75000 | NJ |
| | UNKNOWN | 26.73 | 83000 | J |
| | UNKNOWN | 27.47 | 93000 | JD |
| | UNKNOWN | 28.98 | 100000 | JD |
| 213467 | 1,2:7,8-DIBENZOPHENANTHRENE $$ PICENE $$ | 29.57 | 130000 | NJD |
| 213467 | 1,2:7,8-DIBENZOPHENANTHRENE $$ PICENE $$ | 29.67 | 180000 | NJD |
| 31965374 | 1H-1,4-BENZODIAZEPINE-2,5-DIONE, 3,4-DIH | 30.03 | 72000 | NJ |
| | UNKNOWN | 30.13 | 71000 | J |
| | UNKNOWN | 32.60 | 69000 | J |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
### Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S8DL |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X309 |
| Case No.: | 34166 | Matrix/Level: | Soil/Med |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 20.09 | 380000 | JD |
| | UNKNOWN | 21.02 | 170000 | JD |
| 2381217 | PYRENE, 1-METHYL- $$ 1-METHYLPYRENE $$ 3 | 21.51 | 110000 | NJD |
| 2381217 | PYRENE, 1-METHYL- | 21.66 | 260000 | NJD |
| | UNKNOWN | 21.74 | 220000 | JD |
| | UNKNOWN | 21.79 | 180000 | JD |
| 239350 | BENZO[B]NAPHTHO[2,1-D]THIOPHENE $$ BENZO | 22.51 | 120000 | NJD |
| | UNKNOWN | 22.56 | 130000 | JD |
| | UNKNOWN | 22.58 | 210000 | JD |
| | UNKNOWN | 23.08 | 170000 | JD |
| 1705846 | TRIPHENYLENE, 2-METHYL- $$ 2-METHYLTRIPH | 23.61 | 160000 | NJD |
| | UNKNOWN | 23.80 | 150000 | JD |
| | UNKNOWN | 23.90 | 150000 | JD |
| 207932 | DINAPHTHO[1,2-B:1',2'-D]FURAN | 25.54 | 130000 | NJD |
| 198550 | PERYLENE $$ PERI-DINAPHTHALENE $$ DIBENZ | 26.11 | 370000 | NJD |
| | UNKNOWN | 26.52 | 130000 | JD |
| | UNKNOWN | 26.67 | 160000 | JD |
| | UNKNOWN | 27.42 | 160000 | JD |
| | UNKNOWN | 28.93 | 260000 | JD |
| 215587 | BENZO[B]TRIPHENYLENE | 29.34 | 120000 | NJD |
| 215587 | BENZO[B]TRIPHENYLENE | 29.61 | 330000 | NJD |
| | UNKNOWN | 31.21 | 170000 | JD |
| | UNKNOWN | 32.06 | 130000 | JD |
| | UNKNOWN | 32.47 | 200000 | JD |
| | UNKNOWN | 32.71 | 310000 | JD |
| 191300 | 1,2:3,4-DIBENZOPYRENE $$ DIBENZO[DEF,P]C | 32.84 | 430000 | NJD |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
### Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S9 |
| Sample Type: | Routine Sample | | |
| Lab ID | LIBRTY | Location: | X310 |
| Case No | 34166 | Matrix/Level: | Soil/Low |
| SDG No | E00S5 | File Name: | E00S5 |

| CAS No | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | STRAIGHT-CHAIN ALKANE | 3.35 | 12 | J |
| | UNKNOWN | 3.44 | 640 | J |
| | STRAIGHT-CHAIN ALKANE | 3.97 | 14 | J |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S9 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X310 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 13.03 | 740 | J |
| 90120 | NAPHTHALENE, 1-METHYL- $$ .ALPHA.-METHYL | 15.14 | 660 | NJ |
| | UNKNOWN | 16.01 | 590 | J |
| 582161 | NAPHTHALENE, 2,7-DIMETHYL- $$ 2,7-DIMETH | 16.38 | 530 | NJ |
| 582161 | NAPHTHALENE, 2,7-DIMETHYL- | 16.56 | 1600 | NJ |
| 582161 | NAPHTHALENE, 2,7-DIMETHYL- | 16.59 | 670 | NJ |
| 571619 | NAPHTHALENE, 1,5-DIMETHYL- $$ 1,5-DIMETH | 16.78 | 720 | NJ |
| | UNKNOWN | 16.81 | 390 | J |
| | UNKNOWN | 16.95 | 1300 | J |
| 2131422 | NAPHTHALENE, 1,4,6-TRIMETHYL- $$ 1,4,6-T | 17.66 | 440 | NJ |
| 2245387 | NAPHTHALENE, 1,6,7-TRIMETHYL- | 17.70 | 480 | NJ |
| | UNKNOWN | 17.82 | 430 | J |
| 2131422 | NAPHTHALENE, 1,4,6-TRIMETHYL- $$ 1,4,6-T | 17.85 | 760 | NJ |
| 829265 | NAPHTHALENE, 2,3,6-TRIMETHYL- $$ 2,3,6-T | 17.88 | 520 | NJ |
| | UNKNOWN | 17.90 | 440 | J |
| 2131422 | NAPHTHALENE, 1,4,6-TRIMETHYL- $$ 1,4,6-T | 18.01 | 720 | NJ |
| | UNKNOWN | 18.30 | 510 | J |
| | UNKNOWN | 18.51 | 160 | J |
| | UNKNOWN | 18.73 | 180 | J |
| | UNKNOWN | 19.43 | 220 | J |
| | UNKNOWN | 19.47 | 200 | J |
| | UNKNOWN | 19.59 | 190 | J |
| 610480 | ANTHRACENE, 1-METHYL- | 20.64 | 170 | NJ |
| 610480 | ANTHRACENE, 1-METHYL- | 20.68 | 220 | NJ |
| 779022 | ANTHRACENE, 9-METHYL- | 20.81 | 190 | NJ |
| 610480 | ANTHRACENE, 1-METHYL- | 20.85 | 180 | NJ |
| 781431 | 9,10-DIMETHYLANTHRACENE | 21.57 | 230 | NJ |
| | UNKNOWN | 21.61 | 190 | J |
| 243174 | 11H-BENZO[B]FLUORENE | 22.70 | 490 | NJ |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S9RE |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X310 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | STRAIGHT-CHAIN ALKANE | 3.36 | 8 | J |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00T0 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X314 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 3.44 | 370 | J |

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00T0 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | X314 |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 20.65 | 960 | J |
| | UNKNOWN | 20.69 | 1300 | J |
| | UNKNOWN | 20.83 | 2100 | J |
| 243425 | BENZO[B]NAPHTHO[2,3-D]FURAN | 22.36 | 1300 | NJ |
| 2381217 | PYRENE, 1-METHYL- $$ 1-METHYLPYRENE $$ 3 | 22.54 | 1100 | NJ |
| 243174 | 11H-BENZO[B]FLUORENE | 22.72 | 3000 | NJD |
| | UNKNOWN | 22.82 | 1400 | J |
| | UNKNOWN | 22.87 | 1200 | J |
| 82053 | 7H-BENZ[DE]ANTHRACEN-7-ONE | 23.56 | 1500 | NJ |
| 239350 | BENZO[B]NAPHTHO[2,1-D]THIOPHENE | 23.71 | 1100 | NJ |
| | UNKNOWN | 23.77 | 2200 | J |
| | UNKNOWN | 24.28 | 1600 | J |
| 82053 | 7H-BENZ[DE]ANTHRACEN-7-ONE $$ BENZANTHRE | 24.36 | 920 | NJ |
| | UNKNOWN | 24.45 | 1200 | J |
| | UNKNOWN | 24.54 | 1100 | J |
| 3697243 | CHRYSENE, 5-METHYL- $$ 5-METHYLCHRYSENE | 24.76 | 2400 | NJ |
| | UNKNOWN | 24.91 | 1200 | J |
| | UNKNOWN | 24.98 | 1500 | J |
| | UNKNOWN | 25.54 | 1400 | J |
| | UNKNOWN | 26.10 | 2000 | J |
| 198550 | PERYLENE $$ PERI-DINAPHTHALENE $$ DIBENZ | 26.22 | 8200 | NJD |
| 192972 | BENZO[E]PYRENE | 26.45 | 2900 | NJD |
| | UNKNOWN | 26.51 | 1500 | J |
| | UNKNOWN | 26.69 | 920 | J |
| | UNKNOWN | 26.76 | 1300 | J |
| | UNKNOWN | 28.16 | 1600 | J |
| | UNKNOWN | 28.68 | 1200 | J |
| | UNKNOWN | 31.27 | 1400 | J |
| | UNKNOWN | 31.43 | 900 | J |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | SBLKIN |
| Sample Type: | Method Blank | | |
| Lab ID: | LIBRTY | Location: | |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 5.82 | 790 | J |
| | UNKNOWN | 7.25 | 150 | J |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | SBLKKM |
| Sample Type: | Method Blank | | |
| Lab ID: | LIBRTY | Location: | |
| Case No.: | 34166 | Matrix/Level: | Soil/Med |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 8.34 | 4900 | J |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | VBLKWD |
| Sample Type: | Method Blank | | |
| Lab ID | LIBRTY | Location: | |
| Case No.: | 34166 | Matrix/Level: | Soil/Low |
| SDG No.: | E00S5 | File Name: | E00S5 |

| CAS No. | Compound Name | RT | Concentration (UG/KG) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 3.46 | 7 | J |

*Q: Laboratory Qualifier

## Analytical Results (Qualified Data)

Case #: 34166 | SDG : E00S5
Site : ACME STEEL COKE PLANT | Number of Soil Samples : 6
Lab. : COMPUCHEM | Number of Water Samples : 0
Reviewer : S. Tobin
[illegible]: 06-22-2005

| Sample Number : | E00S5 | | E00S5MS | | E00S5MSD | | E00S6 | | E00S7 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X201 | | X201 | | X201 | | X306 | | X308 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:30 | | 16:30 | | 16:30 | | 10:30 | | 13:30 | |
| %Moisture : | 38 | | 38 | | 38 | | 16 | | 13 | |
| pH : | 6.8 | | 7.0 | | 7.0 | | 7.9 | | 7.8 | |
| 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 | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| CHLOROMETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| VINYL CHLORIDE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| BROMOMETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| CHLOROETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| TRICHLOROFLUOROMETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,1-DICHLOROETHENE | 16 | UJ | 27 | | 34 | | 12 | U | 11 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| ACETONE | 22 | | 11 | J | 17 | | 12 | U | 11 | U |
| CARBON DISULFIDE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| METHYL ACETATE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| METHYLENE CHLORIDE | 10 | J | 4 | J | 3 | J | 17 | J | 12 | J |
| TRANS-1,2-DICHLOROETHENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| METHYL TERT-BUTYL ETHER | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| [illegible]-DICHLOROETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| [illegible]-1,2-DICHLOROETHENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 2-BUTANONE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| CHLOROFORM | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,1,1-TRICHLOROETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| CYCLOHEXANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| CARBON TETRACHLORIDE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| BENZENE | 16 | UJ | 31 | | 37 | | 12 | U | 11 | U |
| 1,2-DICHLOROETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| TRICHLOROETHENE | 16 | UJ | 15 | J | 18 | | 12 | U | 11 | U |
| METHYLCYCLOHEXANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,2-DICHLOROPROPANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| BROMODICHLOROMETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| CIS-1,3-DICHLOROPROPENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 4-METHYL-2-PENTANONE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| TOLUENE | 16 | UJ | 23 | | 30 | | 12 | U | 11 | U |
| TRANS-1,3-DICHLOROPROPENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,1,2-TRICHLOROETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| TETRACHLOROETHENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00S5
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S5 | | E00S5MS | | E00S5MSD | | E00S6 | | E00S7 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X201 | | X201 | | X201 | | X306 | | X308 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:30 | | 16:30 | | 16:30 | | 10:30 | | 13:30 | |
| %Moisture : | 38 | | 38 | | 38 | | 16 | | 13 | |
| pH : | 6.8 | | 7.0 | | 7.0 | | 7.9 | | 7.8 | |
| 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 | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| DIBROMOCHLOROMETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,2-DIBROMOETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| CHLOROBENZENE | 16 | UJ | 12 | J | 15 | J | 12 | U | 11 | U |
| ETHYLBENZENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| XYLENES (TOTAL) | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| STYRENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| BROMOFORM | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| ISOPROPYL BENZENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,1,2,2-TETRACHLOROETHANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,3-DICHLOROBENZENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,4-DICHLOROBENZENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,2-DICHLOROBENZENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |
| 1,2,4-TRICHLOROBENZENE | 16 | U | 16 | U | 16 | U | 12 | U | 11 | U |

## Analytical Results (Qualified Data)

Case #: 34166
Site :
Lab. :
Reviewer :
Date :

SDG : E00S5
ACME STEEL COKE PLANT
COMPUCHEM
S. Tobin
06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S8 | | E00S9 | | E00S9RE | | E00T0 | | VBLKWD | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X309 | | X310 | | X310 | | X314 | | | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/4/2005 | | | |
| Time Sampled : | 14:20 | | 14:50 | | 14:50 | | 12:40 | | | |
| %Moisture : | 25 | | 28 | | 28 | | 12 | | N/A | |
| pH : | 7.3 | | 3.8 | | 3.8 | | 7.1 | | | |
| 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 | 14 | U | 19 | J | 11 | U | 10 | U |
| CHLOROMETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| VINYL CHLORIDE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| BROMOMETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| CHLOROETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| TRICHLOROFLUOROMETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| 1,1-DICHLOROETHENE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| ACETONE | 18 | | 7 | J | 14 | UJ | 11 | U | 10 | U |
| CARBON DISULFIDE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| METHYL ACETATE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| METHYLENE CHLORIDE | 17 | J | 9 | J | 11 | J | 8 | J | 10 | U |
| TRANS-1,2-DICHLOROETHENE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| METHYL TERT-BUTYL ETHER | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| 1,1-DICHLOROETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| CIS-1,2-DICHLOROETHENE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| 2-BUTANONE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| CHLOROFORM | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| 1,1,1-TRICHLOROETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| CYCLOHEXANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| CARBON TETRACHLORIDE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| BENZENE | 13 | | 6 | J | 12 | J | 11 | U | 10 | U |
| 1,2-DICHLOROETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| TRICHLOROETHENE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| METHYLCYCLOHEXANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| 1,2-DICHLOROPROPANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| BROMODICHLOROMETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| CIS-1,3-DICHLOROPROPENE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| 4-METHYL-2-PENTANONE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| TOLUENE | 4 | J | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| TRANS-1,3-DICHLOROPROPENE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| 1,1,2-TRICHLOROETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| TETRACHLOROETHENE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00S5
Site : ACME STEEL.COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S8 | | E00S9 | | E00S9RE | | E00T0 | | VBLKWD | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X309 | | X310 | | X310 | | X314 | | | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/4/2005 | | | |
| Time Sampled : | 14:20 | | 14:50 | | 14:50 | | 12:40 | | | |
| %Moisture : | 25 | | 28 | | 28 | | 12 | | N/A | |
| pH : | 7.3 | | 3.8 | | 3.8 | | 7.1 | | | |
| 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 | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| DIBROMOCHLOROMETHANE | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| 1.2-DIBROMOETHANE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| CHLOROBENZENE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| ETHYLBENZENE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| XYLENES (TOTAL) | 9 | J | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| STYRENE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| BROMOFORM | 13 | U | 14 | U | 14 | UJ | 11 | U | 10 | U |
| ISOPROPYLBENZENE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| 1.1.2.2-TETRACHLOROETHANE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| 1.3-DICHLOROBENZENE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| 1.4-DICHLOROBENZENE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| 1.2-DICHLOROBENZENE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| 1.2-DIBROMO-3-CHLOROPROPANE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |
| 1.2.4-TRICHLOROBENZENE | 13 | U | 14 | UJ | 14 | UJ | 11 | U | 10 | U |

## Analytical Results (Qualified Data)

Case #: 34166
Site :
Lab. :
Reviewer :

SDG : E00S5
ACME STEEL COKE PLANT
COMPUCHEM
S. Tobin
06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | VBLKWH | | VHBLKZS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Soil | | Soil | | | | | | | |
| Units : | ug/Kg | | ug/Kg | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | 0 | | | | | | | |
| pH : | | | 7.0 | | | | | | | |
| 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-TRIFLUOROE | 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 | 3 | J | | | | | | |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 10 | U | | | | | | |
| METHYL TERT-BUTYL ETHER | 10 | U | 10 | U | | | | | | |
| 1,1-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 | | | | | | |

**Analytical Results (Qualified Data)**

Case #: 34166
SDG : E00S5
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin .
Date : 06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | VBLKWH | | VHBLKZS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | | | | | | | | | | |
| Matrix : | Soil | | Soil | | | | | | | |
| Units : | ug/Kg | | ug/Kg | | | | | | | |
| Date Sampled : | | | | | | | | | | |
| Time Sampled : | | | | | | | | | | |
| %Moisture : | N/A | | 0 | | | | | | | |
| pH : | | | 7.0 | | | | | | | |
| 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 | U | 10 | U | | | | | | |
| 1,2,4-TRICHLOROBENZENE | 10 | U | 10 | U | | | | | | |

## Analytical Results (Qualified Data)

Case #: 34166
Site :
Lab. :
Reviewer :
Date :

SDG : E00S5
ACME STEEL COKE PLANT
COMPUCHEM
S. Tobin
06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S5 | | E00S5MS | | E00S5MSD | | E00S6 | | E00S6MS | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X201 | | X201 | | X201 | | X306 | | X306 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:30 | | 16:30 | | 16:30 | | 10:30 | | 10:30 | |
| %Moisture : | 38 | | 38 | | 38 | | 16 | | 16 | |
| pH : | 6.8 | | 6.8 | | 6.8 | | 7.9 | | 7.9 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 2.0 | | 2.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 530 | UJ | 530 | UJ | 530 | UJ | 24000 | UJ | 24000 | UJ |
| PHENOL | 530 | U | 2600 | | 2900 | | 24000 | U | 54000 | |
| BIS-(2-CHLOROETHYL)ETHER | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 2-CHLOROPHENOL | 530 | U | 2500 | | 2700 | | 24000 | U | 55000 | |
| 2-METHYLPHENOL | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 530 | UJ | 530 | UJ | 530 | UJ | 24000 | U | 24000 | U |
| ACETOPHENONE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 4-METHYLPHENOL | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| N-NITROSO-DI-N PROPYLAMINE | 530 | U | 1800 | | 2000 | | 24000 | U | 41000 | |
| HEXACHLOROETHANE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| NITROBENZENE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| ISOPHORONE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 2-NITROPHENOL | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 2,4-DIMETHYLPHENOL | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| BIS(2-CHLOROETHOXY)METHANE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 2,4-DICHLOROPHENOL | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| NAPHTHALENE | 530 | U | 200 | J | 530 | U | 24000 | | 32000 | |
| 4-CHLOROANILINE | 530 | UJ | 530 | UJ | 530 | UJ | 24000 | UJ | 24000 | UJ |
| HEXACHLOROBUTADIENE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| CAPROLACTAM | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 4-CHLORO-3-METHYLPHENOL | 530 | U | 2700 | | 3000 | | 24000 | U | 65000 | |
| 2-METHYLNAPHTHALENE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| HEXACHLOROCYCLO-PENTADIENE | 530 | UJ | 530 | UJ | 530 | UJ | 24000 | U | 24000 | U |
| 2,4,6-TRICHLOROPHENOL | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 2,4,5-TRICHLOROPHENOL | 1300 | U | 1300 | U | 1300 | U | 60000 | U | 60000 | U |
| 1,1'-BIPHENYL | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 2-CHLORONAPHTHALENE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 2-NITROANILINE | 1300 | U | 1300 | U | 1300 | U | 60000 | U | 60000 | U |
| DIMETHYLPHTHALATE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 2,6-DINITROTOLUENE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| ACENAPHTHYLENE | 530 | U | 530 | U | 530 | U | 16000 | J | 15000 | J |
| 3-NITROANILINE | 1300 | U | 1300 | U | 1300 | U | 60000 | U | 60000 | U |
| ACENAPHTHENE | 530 | UJ | 1900 | | 1400 | | 7900 | J | 53000 | |

**Analytical Results (Qualified Data)**

Case #: 34166 | SDG : E00S5
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S5 | | E00S5MS | | E00S5MSD | | E00S6 | | E00S6MS | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X201 | | X201 | | X201 | | X306 | | X306 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:30 | | 16:30 | | 16:30 | | 10:30 | | 10:30 | |
| %Moisture : | 38 | | 38 | | 38 | | 16 | | 16 | |
| pH : | 6.8 | | 6.8 | | 6.8 | | 7.9 | | 7.9 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 2.0 | | 2.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 1300 | UJ | 1300 | UJ | 1300 | UJ | 60000 | U | 60000 | U |
| 4-NITROPHENOL | 1300 | UJ | 4400 | J | 4900 | J | 60000 | U | 69000 | |
| DIBENZOFURAN | 530 | U | 530 | U | 530 | U | 6000 | J | 7500 | J |
| 2,4-DINITROTOLUENE | 530 | U | 1700 | | 1900 | | 24000 | U | 47000 | |
| DIETHYLPHTHALATE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| FLUORENE | 530 | U | 530 | U | 530 | U | 6500 | J | 7200 | J |
| 4-CHLOROPHENYL-PHENYL ETHER | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 4-NITROANILINE | 1300 | U | 1300 | U | 1300 | U | 60000 | U | 60000 | U |
| 4,6-DINITRO-2-METHYLPHENOL | 1300 | U | 1300 | U | 1300 | U | 60000 | U | 60000 | U |
| N-NITROSO DIPHENYLAMINE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 4-BROMOPHENYL-PHENYLETHER | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| HEXACHLOROBENZENE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| ATRAZINE | 530 | R | 530 | R | 530 | R | 24000 | R | 24000 | R |
| PENTACHLOROPHENOL | 1300 | U | 3700 | | 2900 | | 60000 | U | 52000 | J |
| PHENANTHRENE | 530 | U | 370 | J | 170 | J | 50000 | | 54000 | |
| ANTHRACENE | 530 | U | 340 | J | 530 | U | 19000 | J | 21000 | J |
| CARBAZOLE | 530 | U | 530 | U | 530 | U | 8000 | J | 8000 | J |
| DI-N-BUTYLPHTHALATE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| FLUORANTHENE | 150 | J | 470 | J | 240 | J | 130000 | | 130000 | |
| PYRENE | 530 | UJ | 2000 | | 300 | J | 100000 | J | 150000 | |
| BUTYLBENZYLPHTHALATE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| 3,3'-DICHLOROBENZIDINE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| BENZO(A)ANTHRACENE | 140 | J | 390 | J | 260 | J | 81000 | | 85000 | |
| CHRYSENE | 120 | J | 500 | J | 250 | J | 81000 | | 84000 | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 530 | U | 530 | U | 530 | U | 24000 | U | 24000 | U |
| DI-N-OCTYLPHTHALATE | 530 | UJ | 530 | UJ | 530 | UJ | 24000 | U | 24000 | U |
| BENZO(B)FLUORANTHENE | 130 | J | 600 | | 250 | J | 130000 | | 110000 | |
| BENZO(K)FLUORANTHENE | 120 | J | 470 | J | 250 | J | 93000 | J | 94000 | |
| BENZO(A)PYRENE | 530 | U | 620 | | 530 | U | 130000 | | 120000 | |
| INDENO(1,2,3-CD)PYRENE | 530 | U | 540 | | 530 | U | 98000 | | 95000 | |
| DIBENZO(A,H)ANTHRACENE | 530 | U | 210 | J | 110 | J | 28000 | J | 28000 | |
| BENZO(G,H,I)PERYLENE | 530 | U | 120 | J | 530 | U | 69000 | J | 48000 | |

**Analytical Results (Qualified Data)**

Case #: 34166 | SDG : E00S5
Site : | ACME STEEL COKE PLANT
Lab. : | COMPUCHEM
Reviewer : | S. Tobin
: | 06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S6MSD | | E00S7 | | E00S7DL | | E00S8 | | E00S8DL | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X306 | | X308 | | X308 | | X309 | | X309 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 10:30 | | 13:30 | | 13:30 | | 14:20 | | 14:20 | |
| %Moisture : | 16 | | 13 | | 13 | | 25 | | 25 | |
| pH : | 7.9 | | 7.8 | | 7.8 | | 7.3 | | 7.3 | |
| Dilution Factor : | 2.0 | | 10.0 | | 30.0 | | 5.0 | | 25.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 24000 | UJ | 3800 | UJ | 11000 | UJ | 67000 | UJ | 330000 | UJ |
| PHENOL | 60000 | | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| BIS-(2-CHLOROETHYL)ETHER | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2-CHLOROPHENOL | 59000 | | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2-METHYLPHENOL | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 24000 | U | 3800 | UJ | 11000 | UJ | 67000 | U | 330000 | U |
| ACETOPHENONE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 4-METHYLPHENOL | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| N-NITROSO-DI-N PROPYLAMINE | 45000 | | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| HEXACHLOROETHANE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| NITROBENZENE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| ISOPHORONE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2-NITROPHENOL | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2,4-DIMETHYLPHENOL | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| BIS(2-CHLOROETHOXY)METHANE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2,4-DICHLOROPHENOL | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| NAPHTHALENE | 36000 | | 12000 | | 13000 | | 150000 | | 210000 | J |
| 4-CHLOROANILINE | 24000 | UJ | 3800 | UJ | 11000 | UJ | 67000 | UJ | 330000 | UJ |
| HEXACHLOROBUTADIENE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| CAPROLACTAM | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 4-CHLORO-3-METHYLPHENOL | 72000 | | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2-METHYLNAPHTHALENE | 24000 | U | 1900 | J | 11000 | U | 25000 | J | 330000 | U |
| HEXACHLOROCYCLO-PENTADIENE | 24000 | U | 3800 | UJ | 11000 | U | 67000 | U | 330000 | U |
| 2,4,6-TRICHLOROPHENOL | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2,4,5-TRICHLOROPHENOL | 60000 | U | 9500 | U | 29000 | U | 170000 | U | 830000 | U |
| 1,1'-BIPHENYL | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2-CHLORONAPHTHALENE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2-NITROANILINE | 60000 | U | 9500 | U | 29000 | U | 170000 | U | 830000 | U |
| DIMETHYLPHTHALATE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 2,6-DINITROTOLUENE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| ACENAPHTHYLENE | 21000 | J | 5500 | | 6100 | J | 130000 | | 170000 | J |
| 3-NITROANILINE | 60000 | U | 9500 | U | 29000 | U | 170000 | U | 830000 | U |
| ACENAPHTHENE | 58000 | | 3500 | J | 4100 | J | 99000 | | 140000 | J |

**Analytical Results (Qualified Data)**

Case #: 34166
Site :
Lab. :
Reviewer :
Date :

SDG : E00S5
ACME STEEL COKE PLANT
COMPUCHEM
S. Tobin
06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S6MSD | | E00S7 | | E00S7DL | | E00S8 | | E00S8DL | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X306 | | X308 | | X308 | | X309 | | X309 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 10:30 | | 13:30 | | 13:30 | | 14:20 | | 14:20 | |
| %Moisture : | 16 | | 13 | | 13 | | 25 | | 25 | |
| pH : | 7.9 | | 7.8 | | 7.8 | | 7.3 | | 7.3 | |
| Dilution Factor : | 2.0 | | 10.0 | | 30.0 | | 5.0 | | 25.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 60000 | U | 9500 | UJ | 29000 | UJ | 170000 | U | 830000 | U |
| 4-NITROPHENOL | 82000 | | 9500 | UJ | 29000 | U | 170000 | U | 830000 | U |
| DIBENZOFURAN | 8200 | J | 3500 | J | 4000 | J | 100000 | | 140000 | J |
| 2,4-DINITROTOLUENE | 53000 | | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| DIETHYLPHTHALATE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| FLUORENE | 8600 | J | 5200 | | 6000 | J | 160000 | | 220000 | J |
| 4-CHLOROPHENYL-PHENYL ETHER | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 4-NITROANILINE | 60000 | U | 9500 | U | 29000 | UJ | 170000 | U | 830000 | U |
| 4,6-DINITRO-2-METHYLPHENOL | 60000 | U | 9500 | U | 29000 | U | 170000 | U | 830000 | U |
| N-NITROSO DIPHENYLAMINE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 4-BROMOPHENYL-PHENYLETHER | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| HEXACHLOROBENZENE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| ATRAZINE | 24000 | R | 3800 | R | 11000 | R | 67000 | R | 330000 | R |
| PENTACHLOROPHENOL | 57000 | J | 9500 | U | 29000 | U | 170000 | U | 830000 | U |
| PHENANTHRENE | 68000 | | 40000 | | 45000 | | 830000 | | 1100000 | |
| ANTHRACENE | 28000 | | 13000 | | 14000 | | 420000 | | 560000 | |
| CARBAZOLE | 9200 | J | 4600 | | 4500 | J | 110000 | | 140000 | J |
| DI-N-BUTYLPHTHALATE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| FLUORANTHENE | 170000 | | 74000 | J | 81000 | | 1700000 | J | 2200000 | |
| PYRENE | 180000 | | 50000 | | 64000 | | 1300000 | | 1700000 | |
| BUTYLBENZYLPHTHALATE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| 3,3'-DICHLOROBENZIDINE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| BENZO(A)ANTHRACENE | 96000 | | 43000 | | 46000 | | 690000 | | 960000 | |
| CHRYSENE | 98000 | | 42000 | | 46000 | | 690000 | | 960000 | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 24000 | U | 3800 | U | 11000 | U | 67000 | U | 330000 | U |
| DI-N-OCTYLPHTHALATE | 24000 | U | 3800 | UJ | 11000 | UJ | 67000 | U | 330000 | U |
| BENZO(B)FLUORANTHENE | 130000 | | 59000 | | 51000 | | 860000 | | 910000 | |
| BENZO(K)FLUORANTHENE | 100000 | | 18000 | J | 45000 | J | 440000 | J | 850000 | J |
| BENZO(A)PYRENE | 140000 | | 49000 | | 56000 | | 910000 | | 1300000 | |
| INDENO(1,2,3-CD)-PYRENE | 110000 | | 32000 | | 47000 | J | 610000 | J | 850000 | |
| DIBENZO(A,H)ANTHRACENE | 33000 | | 12000 | J | 16000 | | 160000 | | 230000 | J |
| BENZO(G,H,I)-PERYLENE | 60000 | | 24000 | J | 42000 | J | 400000 | J | 550000 | J |

## Analytical Results (Qualified Data)

Case #: 34166
Site :
Lab. :
Reviewer :
Date :

SDG : E00S5
ACME STEEL COKE PLANT
COMPUCHEM
S. Tobin
06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S9 | | E00T0 | | SBLKIN | | SBLKKM | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X310 | | X314 | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | | |
| Date Sampled : | 5/3/2005 | | 5/4/2005 | | | | | | | |
| Time Sampled : | 14:50 | | 12:40 | | | | | | | |
| %Moisture : | 28 | | 12 | | N/A | | N/A | | | |
| pH : | 3.8 | | 7.1 | | | | | | | |
| Dilution Factor : | 1.0 | | 10.0 | | 1.0 | | 1.0 | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 460 | UJ | 3800 | UJ | 330 | UJ | 10000 | UJ | | |
| PHENOL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| BIS-(2-CHLOROETHYL)ETHER | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 2-CHLOROPHENOL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 2-METHYLPHENOL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 460 | UJ | 3800 | UJ | 330 | UJ | 10000 | U | | |
| ACETOPHENONE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 4-METHYLPHENOL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| N-NITROSO-DI-N PROPYLAMINE | 460 | UJ | 3800 | U | 330 | U | 10000 | U | | |
| HEXACHLOROETHANE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| NITROBENZENE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| ISOPHORONE | 460 | UJ | 3800 | U | 330 | U | 10000 | U | | |
| 2-NITROPHENOL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 2,4-DIMETHYLPHENOL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| BIS(2-CHLOROETHOXY)METHANE | 460 | UJ | 3800 | U | 330 | U | 10000 | U | | |
| 2,4-DICHLOROPHENOL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| NAPHTHALENE | 430 | J | 1900 | J | 330 | U | 10000 | U | | |
| 4-CHLOROANILINE | 460 | UJ | 3800 | UJ | 330 | UJ | 10000 | UJ | | |
| HEXACHLOROBUTADIENE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| CAPROLACTAM | 460 | UJ | 3800 | U | 330 | U | 10000 | U | | |
| 4-CHLORO-3-METHYLPHENOL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 2-METHYLNAPHTHALENE | 800 | | 880 | J | 330 | U | 10000 | U | | |
| HEXACHLOROCYCLO-PENTADIENE | 460 | U | 3800 | U | 330 | UJ | 10000 | U | | |
| 2,4,6-TRICHLOROPHENOL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 2,4,5-TRICHLOROPHENOL | 1200 | U | 9400 | U | 830 | U | 25000 | U | | |
| 1,1'-BIPHENYL | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 2-CHLORONAPHTHALENE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 2-NITROANILINE | 1200 | UJ | 9400 | U | 830 | U | 25000 | U | | |
| DIMETHYLPHTHALATE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 2,6-DINITROTOLUENE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| ACENAPHTHYLENE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 3-NITROANILINE | 1200 | U | 9400 | U | 830 | U | 25000 | U | | |
| ACENAPHTHENE | 460 | U | 2200 | J | 330 | U | 10000 | U | | |

## Analytical Results (Qualified Data)

Case #: 34166
SDG : E00S5
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S9 | | E00T0 | | SBLKIN | | SBLKKM | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X310 | | X314 | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | | |
| Date Sampled : | 5/3/2005 | | 5/4/2005 | | | | | | | |
| Time Sampled : | 14:50 | | 12:40 | | | | | | | |
| %Moisture : | 28 | | 12 | | N/A | | N/A | | | |
| pH : | 3.8 | | 7.1 | | | | | | | |
| Dilution Factor : | 1.0 | | 10.0 | | 1.0 | | 1.0 | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 1200 | UJ | 9400 | UJ | 830 | UJ | 25000 | U | | |
| 4-NITROPHENOL | 1200 | U | 9400 | U | 830 | UJ | 25000 | U | | |
| DIBENZOFURAN | 160 | J | 1100 | J | 330 | U | 10000 | U | | |
| 2,4-DINITROTOLUENE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| DIETHYLPHTHALATE | 460 | UJ | 3800 | U | 330 | U | 10000 | U | | |
| FLUORENE | 110 | J | 1500 | J | 330 | U | 10000 | U | | |
| 4-CHLOROPHENYL-PHENYL ETHER | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 4-NITROANILINE | 1200 | UJ | 9400 | UJ | 830 | U | 25000 | U | | |
| 4,6-DINITRO-2-METHYLPHENOL | 1200 | U | 9400 | U | 830 | U | 25000 | U | | |
| N-NITROSO DIPHENYLAMINE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 4-BROMOPHENYL-PHENYLETHER | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| HEXACHLOROBENZENE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| ATRAZINE | 460 | R | 3800 | R | 330 | R | 10000 | R | | |
| PENTACHLOROPHENOL | 1200 | U | 9400 | U | 830 | U | 25000 | U | | |
| PHENANTHRENE | 610 | | 13000 | | 330 | U | 10000 | U | | |
| ANTHRACENE | 460 | U | 3500 | J | 330 | U | 10000 | U | | |
| CARBAZOLE | 460 | U | 1400 | J | 330 | U | 10000 | U | | |
| DI-N-BUTYLPHTHALATE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| FLUORANTHENE | 160 | J | 14000 | | 330 | U | 10000 | U | | |
| PYRENE | 270 | J | 12000 | | 330 | U | 10000 | U | | |
| BUTYLBENZYLPHTHALATE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| 3,3'-DICHLOROBENZIDINE | 460 | U | 3800 | U | 330 | U | 10000 | U | | |
| BENZO(A)ANTHRACENE | 150 | J | 8900 | | 330 | U | 10000 | U | | |
| CHRYSENE | 370 | J | 9400 | | 330 | U | 10000 | U | | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 1500 | | 3800 | U | 330 | U | 10000 | U | | |
| DI-N-OCTYLPHTHALATE | 310 | J | 3800 | UJ | 330 | UJ | 10000 | U | | |
| BENZO(B)FLUORANTHENE | 170 | J | 9800 | | 330 | U | 10000 | U | | |
| BENZO(K)FLUORANTHENE | 460 | U | 8200 | | 330 | U | 10000 | U | | |
| BENZO(A)PYRENE | 130 | J | 9900 | J | 330 | U | 10000 | U | | |
| INDENO(1,2,3-CD)PYRENE | 460 | U | 8400 | J | 330 | U | 10000 | U | | |
| DIBENZO(A,H)ANTHRACENE | 460 | U | 2700 | J | 330 | U | 10000 | U | | |
| BENZO(G,H,I)PERYLENE | 460 | U | 6200 | J | 330 | U | 10000 | U | | |

## Analytical Results (Qualified Data)

Case #: 34166 SDG : E00S5
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S5 | | E00S5MS | | E00S5MSD | | E00S6 | | E00S6DL | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X201 | | X201 | | X201 | | X306 | | X306 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:30 | | 16:30 | | 16:30 | | 10:30 | | 10:30 | |
| %Moisture : | 38 | | 38 | | 38 | | 16 | | 16 | |
| pH : | 6.8 | | 6.8 | | 6.8 | | 7.9 | | 7.9 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 10.0 | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 2.7 | U | 2.7 | U | 2.7 | U | 2.0 | U | 20 | U |
| BETA-BHC | 2.7 | U | 2.7 | U | 2.7 | U | 2.0 | U | 20 | U |
| DELTA-BHC | 2.7 | U | 2.7 | U | 2.7 | U | 2.0 | U | 20 | U |
| GAMMA-BHC (LINDANE) | 2.7 | U | 13 | J | 14 | J | 2.0 | U | 20 | U |
| HEPTACHLOR | 2.7 | U | 14 | J | 16 | | 2.0 | U | 20 | U |
| ALDRIN | 2.7 | U | 13 | J | 15 | | 2.0 | U | 20 | U |
| HEPTACHLOR EPOXIDE | 2.7 | U | 2.7 | U | 2.7 | U | 7.6 | J | 6.4 | J |
| ENDOSULFAN I | 2.7 | U | 2.7 | U | 2.7 | U | 2.0 | U | 20 | U |
| DIELDRIN | 5.3 | U | 30 | | 33 | | 3.9 | J | 39 | U |
| 4,4'-DDE | 12 | J | 13 | | 4.4 | J | 3.9 | U | 15 | J |
| ENDRIN | 3.9 | J | 35 | J | 39 | | 18 | J | 33 | J |
| ENDOSULFAN II | 5.3 | U | 5.3 | U | 5.3 | U | 3.9 | U | 39 | U |
| 4,4'-DDD | 16 | | 19 | | 5.3 | | 3.9 | U | 39 | U |
| ENDOSULFAN SULFATE | 5.3 | U | 5.3 | U | 5.3 | U | 3.9 | U | 39 | U |
| 4,4'-DDT | 8.3 | | 37 | | 39 | | 1.2 | J | 13 | J |
| METHOXYCHLOR | 10 | J | 27 | U | 27 | U | 20 | U | 200 | U |
| ENDRIN KETONE | 5.3 | U | 5.3 | U | 2.0 | J | 140 | J | 310 | J |
| ENDRIN ALDEHYDE | 5.3 | U | 5.3 | U | 5.3 | U | 9.8 | J | 39 | U |
| ALPHA-CHLORDANE | 2.7 | U | 2.7 | U | 2.7 | U | 2.0 | U | 20 | U |
| GAMMA-CHLORDANE | 1.8 | J | 2.7 | U | 0.84 | J | 73 | J | 20 | U |
| TOXAPHENE | 270 | U | 270 | U | 270 | U | 200 | U | 2000 | U |
| AROCLOR-1016 | 53 | U | 53 | U | 53 | U | 39 | U | 390 | U |
| AROCLOR-1221 | 110 | U | 110 | U | 110 | U | 80 | U | 800 | U |
| AROCLOR-1232 | 53 | U | 53 | U | 53 | U | 39 | U | 390 | U |
| AROCLOR-1242 | 53 | U | 53 | U | 53 | U | 39 | U | 390 | U |
| AROCLOR-1248 | 53 | U | 53 | U | 53 | U | 39 | U | 390 | U |
| AROCLOR-1254 | 53 | U | 53 | U | 53 | U | 39 | U | 390 | U |
| AROCLOR-1260 | 53 | U | 53 | U | 53 | U | 39 | U | 390 | U |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00S5
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00S7 | | E00S7DL | | E00S8 | | E00S8DL | | E00S9 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X308 | | X308 | | X309 | | X309 | | X310 | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 13:30 | | 13:30 | | 14:20 | | 14:20 | | 14:50 | |
| %Moisture : | 13 | | 13 | | 25 | | 25 | | 28 | |
| pH : | 7.8 | | 7.8 | | 7.3 | | 7.3 | | 3.8 | |
| Dilution Factor : | 1.0 | | 10.0 | | 5.0 | | 50.0 | | 1.0 | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 2.0 | U | 20 | U | 11 | U | 110 | U | 2.4 | U |
| BETA-BHC | 2.0 | U | 20 | U | 11 | U | 110 | U | 11 | J |
| DELTA-BHC | 2.0 | U | 20 | U | 11 | U | 110 | U | 2.4 | U |
| GAMMA-BHC (LINDANE) | 2.0 | U | 20 | U | 11 | U | 110 | U | 2.4 | U |
| HEPTACHLOR | 2.0 | U | 20 | U | 11 | U | 110 | U | 2.4 | U |
| ALDRIN | 2.0 | U | 20 | U | 11 | U | 110 | U | 2.4 | U |
| HEPTACHLOR EPOXIDE | 5.2 | J | 6.3 | J | 11 | J | 110 | U | 2.4 | U |
| ENDOSULFAN I | 2.0 | U | 20 | U | 11 | U | 110 | U | 2.4 | U |
| DIELDRIN | 9.8 | J | 38 | U | 20 | J | 220 | U | 4.6 | U |
| 4,4'-DDE | 1.8 | J | 16 | J | 5.0 | J | 77 | J | 4.6 | U |
| ENDRIN | 39 | J | 30 | J | 84 | J | 170 | J | 2.3 | J |
| ENDOSULFAN II | 1.9 | J | 38 | U | 15 | J | 220 | U | 4.6 | U |
| 4,4'-DDD | 3.8 | U | 38 | U | 22 | U | 220 | U | 2.8 | J |
| ENDOSULFAN SULFATE | 3.8 | U | 38 | U | 22 | U | 220 | U | 4.6 | U |
| 4,4'-DDT | 2.8 | J | 38 | U | 22 | U | 220 | U | 2.5 | J |
| METHOXYCHLOR | 120 | J | 200 | U | 550 | J | 2300 | J | 24 | U |
| ENDRIN KETONE | 87 | J | 38 | U | 300 | J | 220 | U | 1.6 | J |
| ENDRIN ALDEHYDE | 9.3 | J | 38 | U | 33 | J | 220 | U | 4.6 | U |
| ALPHA-CHLORDANE | 2.0 | U | 20 | U | 11 | U | 110 | U | 2.4 | U |
| GAMMA-CHLORDANE | 46 | J | 20 | U | 350 | J | 110 | U | 2.4 | U |
| TOXAPHENE | 200 | U | 2000 | U | 1100 | U | 11000 | U | 240 | U |
| AROCLOR-1016 | 38 | U | 380 | U | 220 | U | 2200 | U | 46 | U |
| AROCLOR-1221 | 77 | U | 770 | U | 450 | U | 4500 | U | 93 | U |
| AROCLOR-1232 | 38 | U | 380 | U | 220 | U | 2200 | U | 46 | U |
| AROCLOR-1242 | 38 | U | 380 | U | 220 | U | 2200 | U | 46 | U |
| AROCLOR-1248 | 38 | U | 380 | U | 220 | U | 2200 | U | 46 | U |
| AROCLOR-1254 | 38 | U | 380 | U | 220 | U | 2200 | U | 46 | U |
| AROCLOR-1260 | 38 | U | 380 | U | 220 | U | 2200 | U | 46 | U |

## Analytical Results (Qualified Data)

Case #: 34166
SDG : E00S5
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-22-2005

Number of Soil Samples : 6
Number of Water Samples : 0

| Sample Number : | E00T0 | | E00T0DL | | PBLKIM | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | X314 | | X314 | | | | | | | |
| Matrix : | Soil | | Soil | | Soil | | | | | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | | | | |
| Date Sampled : | 5/4/2005 | | 5/4/2005 | | | | | | | |
| Time Sampled : | 12:40 | | 12:40 | | | | | | | |
| %Moisture : | 12 | | 12 | | N/A | | | | | |
| pH : | 7.1 | | 7.1 | | | | | | | |
| Dilution Factor : | 1.0 | | 10.0 | | 1.0 | | | | | |
| *Pesticide/PCB Compound* | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALPHA-BHC | 1.9 | U | 19 | U | 1.7 | U | | | | |
| BETA-BHC | 1.9 | U | 19 | U | 0.53 | J | | | | |
| DELTA-BHC | 1.9 | U | 6.8 | J | 1.7 | U | | | | |
| GAMMA-BHC (LINDANE) | 1.9 | U | 19 | U | 1.7 | U | | | | |
| HEPTACHLOR | 1.9 | U | 19 | U | 1.7 | U | | | | |
| ALDRIN | 1.9 | U | 19 | U | 1.7 | U | | | | |
| HEPTACHLOR EPOXIDE | 5.4 | J | 8.0 | J | 1.7 | U | | | | |
| ENDOSULFAN I | 1.9 | U | 19 | U | 1.7 | U | | | | |
| DIELDRIN | 6.6 | J | 38 | U | 3.3 | U | | | | |
| 4,4'-DDE | 3.8 | U | 19 | J | 3.3 | U | | | | |
| ENDRIN | 8.8 | J | 24 | J | 3.3 | U | | | | |
| ENDOSULFAN II | 3.8 | U | 38 | U | 3.3 | U | | | | |
| 4,4'-DDD | 3.8 | U | 38 | U | 3.3 | U | | | | |
| ENDOSULFAN SULFATE | 3.8 | U | 38 | U | 3.3 | U | | | | |
| 4,4'-DDT | 10 | J | 38 | U | 3.3 | U | | | | |
| METHOXYCHLOR | 300 | J | 310 | | 17 | U | | | | |
| ENDRIN KETONE | 100 | J | 38 | U | 3.3 | U | | | | |
| ENDRIN ALDEHYDE | 19 | J | 38 | U | 3.3 | U | | | | |
| ALPHA-CHLORDANE | 1.9 | U | 19 | U | 0.50 | J | | | | |
| GAMMA-CHLORDANE | 66 | J | 19 | U | 1.7 | U | | | | |
| TOXAPHENE | 190 | U | 1900 | U | 170 | U | | | | |
| AROCLOR-1016 | 38 | U | 380 | U | 33 | U | | | | |
| AROCLOR-1221 | 76 | U | 760 | U | 67 | U | | | | |
| AROCLOR-1232 | 38 | U | 380 | U | 33 | U | | | | |
| AROCLOR-1242 | 38 | U | 380 | U | 33 | U | | | | |
| AROCLOR-1248 | 38 | U | 380 | U | 33 | U | | | | |
| AROCLOR-1254 | 38 | U | 380 | U | 33 | U | | | | |
| AROCLOR-1260 | 38 | U | 380 | U | 33 | U | | | | |

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5/26/05

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Acme Steel Coke Plant, IL

CASE NUMBER: 34166 SDG NUMBER: E0055

Number and Type of Samples: 6 soil samples

Sample Numbers: E0055-59, T0

Laboratory: Compu Chem Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

CompuChem
a division of Liberty Analytical Corp.

ORIGINAL

**Sample Delivery Group (SDG)**
**Cover Sheet**

SDG Number E00S5

Laboratory Name CompuChem Laboratory Code LIBRTY

Contract No. 68W03021 Case No. 34166

Analysis Price $415.00 SDG Turnaround 21

EPA Sample Numbers in SDG (Listed in Numerical Order)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1) | E00S5 | 7) | | 13) | | 19) | |
| 2) | E00S6 | 8) | | 14) | | 20) | |
| 3) | E00S7 | 9) | | 15) | | 21) | |
| 4) | E00S8 | 10) | | 16) | | 22) | |
| 5) | E00S9 | 11) | | 17) | | 23) | |
| 6) | E00T0 | 12) | | 18) | | 24) | |

E00S5
First Sample in SDG

E00T0
Last Sample in SDG

5/6/2005
First Sample Receipt Date

5/6/2005
Last Sample Receipt Date

**Note**: There are a maximum of 20 **field** samples (excluding PE samples in an SDG. Attach TRs to this form in alphanumeric order (the order listed above on this form).

Signature [illegible] Date 05/06/05

17

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

Case No: 34166
DAS No:
SDG No: E0055

L

18

| | |
|---|---|
| Date Shipped: | 5/5/2005 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210025221 |
| Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 |

**Chain of Custody Record**

Sampler Signature: [signature]

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| [signature] | 5/5/05 10:00 | [signature] | 05/06/05 0915 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**For Lab Use Only**

Lab Contract No: 68W03021
Unit Price: #415
Transfer To:
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 |
|---|---|---|---|---|---|---|---|---|---|
| E00S5 | Sediment/ Ken Corkill | L/G | BNA/PEST (21), VOA (21) | 5-217967 (Ice Only), 5-217968 (Ice Only), 5-217969 (Ice Only) (3) | X201 | S: 5/3/2005 | 16:30 | ME00S5 | Good |
| E00S6 | Waste/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-217971 (Ice Only), 5-217972 (Ice Only), 5-217973 (Ice Only) (3) | X306 | S: 5/3/2005 | 10:30 | ME00S6 | |
| E00S7 | Waste/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-217975 (Ice Only), 5-217976 (Ice Only), 5-217977 (Ice Only) (3) | X308 | S: 5/3/2005 | 13:30 | ME00S7 | |
| E00S8 | Waste/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-217979 (Ice Only), 5-217980 (Ice Only), 5-217981 (Ice Only) (3) | X309 | S: 5/3/2005 | 14:20 | ME00S8 | |
| E00S9 | Waste/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-263202 (Ice Only), 5-263203 (Ice Only), 5-263204 (Ice Only) (3) | X310 | S: 5/3/2005 | 14:50 | ME00S9 | |
| E00T0 | Waste/ Ken Corkill | L/G | BNA/PEST (21), VOA (21) | 5-263206 (Ice Only), 5-263207 (Ice Only), 5-263208 (Ice Only) (3) | X314 | S: 5/4/2005 | 12:40 | ME00T0 | TD 6 field sample |

COPY

ORIGINAL DOCUMENTS INCLUDED IN CSF- E0082

SIGNATURE [signature] DATE 5·9·05

| Shipment for Case Complete?Y | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 8° | Chain of Custody Seal Number: 82873 |
|---|---|---|---|---|
| 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: 5-314975591-050505-0006**

**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

# CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050


**SDG NARRATIVE**
**CASE # 34166**
**SDG # E00S5**
**CONTRACT # 68W03021**

**SAMPLE IDENTIFICATIONS: E00S5, E00S6, E00S7, E00S8, E00S9, E00T0**

The six (6) soil samples listed above were received intact, properly refrigerated at a temperature of 8°C, with proper documentation except the issues mentioned in the email located behind the traffic reports, in sealed shipping containers, on May 6, 2005. The samples were scheduled for the requested analyses of the volatile, semivolatile, and pesticide fractions.

The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3: The percent moistures ranged from 12 to 38.

All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for Case # 34166, SDG # E00S5 are included in the sample data sections.

VOLATILE

Analysis holding time requirements were met for all of these samples.

All of the samples contained at least one compound above the Contract Required Quantitation Limit (CRQL) except samples E00S9 and E00T0. All samples contained Tentatively Identified Compounds (TICs).

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds (SMC) met recovery criteria in the analyses of these samples except sample E00S9. All of the internal standards met response and retention time criteria in the analyses of these samples except sample E00S9. This sample was reanalyzed and confirmed the first result. Both analyses have been reported and billed for. The associated method blanks met all quality control criteria.

E00S5 was used as the original to prepare the duplicate matrix spikes QC. The associated duplicate matrix spikes did not meet most of the advisory accuracy and precision criteria.

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.

Susan W Bass

Susan W. Bass
Senior Chemist
May 23, 2005

ALKANE NARRATIVE REPORT
Report date : 05/23/2005
SDG: E00S5

Client Sample ID: E00S8 Lab Sample ID: 652104 File ID: 652104B59

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Branched Alkane | 15.73 | 36 | J |
| Branched Alkane | 16.34 | 45 | J |
| Branched Alkane | 17.53 | 27 | J |

Client Sample ID: E00S9 Lab Sample ID: 652105 File ID: 652105B59

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Straight-Chain Alkane | 3.35 | 12 | J |
| Straight-Chain Alkane | 3.97 | 14 | J |

Client Sample ID: E00S9RE Lab Sample ID: 652105 File ID: 652105RB59

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Straight-Chain Alkane | 3.36 | 8 | J |

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**Cary, N.C. 27513**
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## SDG NARRATIVE
## CASE # 34166
## SDG # E00S5
## CONTRACT # 68W03021

**SAMPLE IDENTIFICATIONS:**

| | | | |
|---|---|---|---|
| **E00S5** | **E00S7** | **E00S9** | **E00S7DL** |
| **E00S6** | **E00S8** | **E00T0** | **E00S8DL** |

The six soil samples listed above were scheduled for the requested analyses of the semivolatile fraction. The sample IDs listed above with the DL suffix are for the dilution analysis. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. The pH values of these soil samples ranged from 3.8 to 7.8 and the percent moistures ranged from 12 to 38. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # E00S5 are included in the sample data sections.

Semivolatiles

Extraction and analysis holding time requirements were all of these samples.

Due to a low level soil screen and/or concentration of one or more semivolatile target analytes present, samples E00S6 and E00S8 were extracted and analyzed as a medium level soil. The screen Reconstructed Ion Chromatogram (RIC) is found immediately following the reportable runs RIC. Due to the appearance of the medium level soil sample extract, samples E00S6 and E00S8 were initially analyzed at a 2x and 5x dilution respectively. In addition, the on-column amount of one or more analytes exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration in sample E00S8. Sample E00S8 was reanalyzed at a 25x dilution in order to bring the on-column amount into range. We have reported and billed both analyses of sample E00S8.

In the initial 10x dilution low level soil analysis of sample E00S7, the on-column amount of one or more analytes exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration. The sample was reanalyzed at a 30x dilution in order to bring the on-column amount into range. We have reported and billed both analyses of sample E00S7.

Due to the appearance of the low level soil sample extract, sample E00T0 was initially analyzed at a 10x dilution.

There were several target compound list (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in these samples. Tentatively Identified Compounds (TICs) were found in all of these samples. The TICs found in these samples could be characterized as cyclopentphenanthrene, methylpyrene, benzofluorene, benzofluoranthene, benzopyrene, indenophenanthrene, methybenzaceanthrylene, tetrachlorobenzene, dibenzanthracene, benzoperylene, dibenzopyrene, benzonaphthothiopene, methyltriphenylene, and unknowns. The TICs that were characterized as alkanes have been summarized on the Alkane Narrative Report that is located in the narrative section of the data package. The TIC spectra for the alkanes are located in the data section for the individual samples.

Fluoranthene, 2-methylnaphthalene, benzo(k)fluoranthene, benzo(g,h,i)perylene, and dibenzo(a,h)anthracene which are TCL analytes were identified as TICs in some of these samples. However, the retention times of these TICs did not compare well to the analyte retention times in the associated continuing calibration standard. The TICs have been left with that assessment name because the contract specifically states that TICs above 85% purity should be assessed as the CAS assessment (exempting alkanes), [page D-46/SVOA; section 11.1.2.5.6].

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples.

All of the internal standards met response and retention time criteria in the analyses of these samples.

Sample E00S5 was used as the original to prepare the low level soil and E00S6 was used to prepare the medium level soil duplicate matrix spikes. With four outliers, the low level soil MS/MSD met overall accuracy and precision criteria. With one outlier, the medium level soil MS/MSD met overall accuracy and precision criteria.

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.

**Elsie S. Byrd**
Senior Scientist I
May 25, 2005

ALKANE NARRATIVE REPORT
Report date : 05/25/2005
SDG: E00S5

Client Sample ID: E00S5 Lab Sample ID: 652101 File ID: 652101A64

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Alkane | 24.04 | 140 | J |

Client Sample ID: E00S9 Lab Sample ID: 652105 File ID: 652105JA64

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Unknown Alkane | 14.55 | 890 | J |
| Straight-Chain Alkane | 15.00 | 880 | J |
| Branched Alkane | 16.30 | 1100 | J |
| Straight-Chain Alkane | 17.33 | 1700 | J |
| Branched Alkane | 17.77 | 380 | J |
| Straight-Chain Alkane | 18.23 | 2400 | J |
| Unknown Alkane | 18.62 | 450 | J |
| Branched Alkane | 19.03 | 600 | J |
| Branched Alkane | 19.07 | 790 | J |
| Straight-Chain Alkane | 20.47 | 430 | J |
| Straight-Chain Alkane | 21.13 | 440 | J |
| Straight-Chain Alkane | 22.36 | 580 | J |
| Straight-Chain Alkane | 22.94 | 590 | J |
| Straight-Chain Alkane | 23.49 | 610 | J |
| Straight-Chain Alkane | 24.02 | 570 | J |
| Straight-Chain Alkane | 24.53 | 440 | J |
| Straight-Chain Alkane | 25.02 | 470 | J |

# CompuChem

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**501 Madison Avenue**
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## SDG NARRATIVE
## CASE # 34166
## SDG # E00S5
## CONTRACT # 68W03021

**SAMPLE IDENTIFICATIONS: E00S5, E00S6, E00S7, E00S8, E00S9, E00T0**

The six soil samples listed above were scheduled for the requested analysis of the pesticide/PCB fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the pesticide/PCB fraction only. For the receiving information associated with these samples, please refer to the volatile SDG narrative. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # E00S5 are included in the sample data sections.

**Pesticides/PCBs**

Extraction and analysis holding time requirements were met for all of these samples.

No PCB analytes confirmed by dual column analysis above the Contract Required Quantitation Limit (CRQL) in samples. Various pesticide analytes were confirmed above the CRQL in the several of the samples. Samples E00S6, E00S7, E00S8 and E00T0 required a dilution due to target analytes exceeding the calibration range. Both the dilution and a neat analysis have been reported as billable runs.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The associated method blank met all quality control criteria.

The surrogate was outside the advisory limits for several of the analyses due to sample matrix interference and/or dilution.

Duplicate matrix spikes for this SDG were performed on sample E00S5 and met all quality control criteria for all compounds.

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.

**Katrina L. Travis**
Director, Laboratory Operations
May 23, 2005

CompuChem
a Division of Liberty Analytical Corp.

GC/MS VOA Batch Sheet - Soils SOLM

SPP-155/-233/-243

Departm VOC

Method:

Batch No: 12595

| CCN | Samp Typ | Client ID | Wt | Time | Date | INST # | Operator | H/T | Volume | Report | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 652101 | SAMPLE | E00S5 | 5g | 2041 | 5-13 | 59 | 2181 | 5/16/05 | | — | |
| 652101 | SAMPLE | E00S5 | | | | | | 5/16/05 | | | |
| 68331 | MB | VBLKWD | | | | | | 5/23/05 | | | |
| 68332 | MB | VBLKWE | | | | | | 5/23/05 | | | |
| 68333 | MB | VBLKWF | | | | | | 5/23/05 | | | |
| 68334 | MS | E00S5(652101MS) | 5g | ~~2205~~ 2114 | 5-12-05 | 59 | 2481 | 5/17/05 | | — SF | |
| 68335 | MSD | E00S5(652101MSD) | | 2137 | | | | 5/17/05 | | SF | |
| 652102 | SAMPLE | E00S6 | | 2215 | | | | 5/16/05 | | — | |
| 652103 | SAMPLE | E00S7 | | 2234 | | | | 5/16/05 | | — | |
| 652104 | SAMPLE | E00S8 | | 2302 | | | | 5/16/05 | | — | |
| 652105 | SAMPLE | E00S9 | | 2330 | | | | 5/16/05 | | — TLSH | |
| 652106 | SAMPLE | E00T0 | | 2358 | | | | 5/16/05 | | — | |
| 652107 | SAMPLE | VHBLKZS | | 027 | | | | 5/16/05 | | OT | |
| | | | | | | | | | | | |
| 68334 | | | 5g | 2120 | 5-14 | 59 | 2181 | | | ✓ | |
| 68335 | | | | 2148 | | | | | | ✓ | |
| | | | | | | | | | | | |
| 05R | | | 5g | 2051 | 5-14 | 59 | 2181 | | | TLSH ES | |
| 07R | | | 5ml | 2216 | | | | | | ✓ | |

Due 5-26

closed

6/27/01.rmh

# GC and GC/MS Column and Trap Specifications Table

## COLUMNS

| Brand Name | Coating Material | ID (mm) | Film Thickness (um) | Length (m) |
|---|---|---|---|---|
| **GC Laboratory** | | | | |
| Restek | RTX-1701 | 0.53 | 0.5 | 30 |
| J & W | DB-608 | 0.53 | 0.83 | 30 |
| Restek | CLPesticides | 0.53 | 0.5 | 30 |
| Restek | CLPesticides II | 0.53 | 0.42 | 30 |
| **GC Volatiles Laboratory** | | | | |
| Restek | RTX-1 | 0.53 | 0.5 | 105 |
| Restek | RTX-502.2 | 0.53 | 0.5 | 105 |
| **GC/MS Volatiles Laboratory** | | | | |
| J & W | DB-624 | 0.53 | 3.0 | 30/75 |
| J & W | DB-624 | 0.25 | 1.4 | 60 |
| J & W | DB-624 | 0.32 | 1.8 | 60 |
| Restek | RTX-624 | 0.32 | 1.8 | 60 |
| Restek | RTX-VMS* | 0.18 | 1.0 | 20 |
| Supelco | SPB-624 | 0.32 | 1.4 | 60 |
| Supelco | Equity™-624 | 0.53 | 3.0 | 75 |
| Zebron | ZB-624 | 0.32 | 1.8 | 60 |
| **GC/MS Semivolatiles Laboratory** | | | | |
| Restek | RTX-5MS | 0.25 | 0.25 | 30 |
| Restek | RTX-5MS | 0.32 | 0.25 | 30 |
| **HPLC Laboratory** | | | | |
| Supelco | Supelcosil LC-PAH | 4.6 | 5.0 | 15 cm |
| Supelco | Discovery RP Amide C16 | 4.6 | 5.0 | 25 cm |
| Restek | Pinnacle Cyano | 4.6 | 5.0 | 25 cm |
| Restek | Allure C18 | 4.6 | 5.0 | 25 cm |

*Note: The RTX-VMS column is currently not used for EPA CLP analyses.

## TRAPS

| GC and GC/MS Volatiles Laboratory | |
|---|---|
| Tekmar 3 | * 8 cm of 2,6-diphenylene oxide polymer (Tenax)<br>* 8 cm of silica gel<br>* 7 cm of coconut charcoal<br>* 0.5 cm of silanized glass wool at each end |
| Tekmar 5 | * 1 cm of methyl silicone packing (OV-1 coating)<br>* 8 cm of 2,6-diphenylene oxide polymer (Tenax)<br>* 8 cm of silica gel<br>* 7 cm of coconut charcoal<br>* 0.5 cm of silanized glass wool at each end |
| Supelco K (Vocarb3000) | * 0 cm of Carbopack B (Graphitized Carbons)<br>* 6 cm of Carboxen 1000 (Carbon molecular sieves)<br>* 1 cm of Carboxen 1001 (Carbon molecular sieves) |

# CompuChem

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## CompuChem's Pagination Convention

As required by the current EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add in an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

CompuChem

a division of Liberty Analytical Corporation

# Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These adjustments are performed by the data reviewer, GC/MS operator, or GC chemist. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration of each compound to demonstrate the accuracy of that process. Adjustments are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count as possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

- Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order o provide the most accurate area count possible for the peak.

L - Denotes that the data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW requires additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC data packages.

Robert E. Meierer

# DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U: This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J: This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N: This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P: In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than a 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue.

## DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged with a B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on the Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and all reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds that are not detected in the sample analysis i.e., compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e., the results from both analyses <u>are not combined</u> on a single Form I.

A : This flag indicates that a TIC is a suspected aldol-condensation product.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

## Joan Purdie

**From:** Brown, Jessica [jbrown208@fedcsc.com]
**Sent:** Friday, May 06, 2005 1:53 PM
**To:** Joan Purdie (E-mail)
**Cc:** Jerry Willman (E-mail); Bob Casper (E-mail); Mark Wagner (E-mail 2); Carlene Thomas (E-mail); Howard Pham (E-mail); Warren Layne (E-mail)
**Subject:** Region 05 | Case 34166 | Lab LIBRTY | SDG E00S5 | Issue Insuffici ent/inappropriate designation of laboratory QC | FINAL

Hi Joan,

In accordance with previous direction from Region 5, the laboratory will select a sample for laboratory QC as long as the sample is not a PE or blank sample. The laboratory will inform the SMO coordinator of the sample selected, note the issue in the SDG Narrative, and proceed with the analysis of the samples. If the laboratory is not sure that the sample they selected is not a PE or blank sample, they will contact SMO and wait for a resolution from the Region.

SMO will report that LIBRTY selected sample E00S5 as lab QC for Case 34166.

Thanks,
Jessica

-----Original Message-----
From Joan Purdie [mailto:jpurdie@compuchemlabs.com]
Sent: Friday, May 06, 2005 1:42 PM
To: Brown, Jessica
Subject: RE: Region 05 | Case 34166 | Lab LIBRTY | SDG E00S5 | Issue Insuf fici ent/inappropriate designation lf laboratory QC

No the voas are in 2oz jars.

-----Original Message-----
From: Brown, Jessica
Sent: Friday, May 06, 2005 1:33 PM
To: 'Joan Purdie'
Subject: Region 05 | Case 34166 | Lab LIBRTY | SDG E00S5 | Issue Insufficient/inappropriate designation lf laboratory QC

Joan,

Were the soils received in Encore containers?

Jessica Brown
Computer Sciences Corporation
Environmental Scientist
CLP Coordinator for Regions 4, 5, & 8
Phone: (703) 818-4215; Fax: (703) 818-4602
jbrown208@fedcsc.com <mailto:jbrown208@fedcsc.com>

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-----Original Message-----
From: Joan Purdie [mailto:jpurdie@compuchemlabs.com]

Sent: Friday, May 06, 2005 1:19 PM
To: Jessica Brown (E-mail)
Subject: REGION 5|C#34166 SDG E00S5|QC DESIGNATION

Jessica,

The lab chose sample id E00S5 for Qc for sdg E00S5. The TR/COC did not list a Qc sample for the soils received today with this Case and the TR is marked complete. This is the soil sdg.

Thank you,
Joan Purdie
Contract Co-ordinator
CompuChem/Liberty
919-379-4081
jpurdie@compuchemlabs.com

**********NOTICE**********
"This e-mail and any information contained or attached to this email are privileged and confidential and proprietary information intended only/solely for the individual or entity to whom it is addressed. It is a PRIVATE email message and the sender does not waive any related rights and obligations. Kindly notify the sender immediately by e-mail if you have received this e-mail in error or by mistake. You are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited."

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Level: (low/med) LOW

| | EPA SAMPLE NO. | SMC1 (TOL) # | SMC2 (BFB) # | SMC3 (DCE) # | OTHER | TOT OUT |
|---|---|---|---|---|---|---|
| 01 | VBLKWH | 102 | 92 | 102 | | 0 |
| 02 | E00S5 | 111 | 81 | 111 | | 0 |
| 03 | E00S6 | 113 | 75 | 107 | | 0 |
| 04 | E00S7 | 109 | 82 | 111 | | 0 |
| 05 | E00S8 | 101 | 94 | 106 | | 0 |
| 06 | E00S9 | 188* | 59 | 106 | | 1 |
| 07 | E00T0 | 104 | 88 | 96 | | 0 |
| 08 | VBLKWD | 102 | 96 | 100 | | 0 |
| 09 | E00S9RE | 203* | 45* | 119 | | 2 |
| 10 | E00S5MS | 106 | 88 | 110 | | 0 |
| 11 | E00S5MSD | 111 | 84 | 112 | | 0 |
| 12 | VHBLKZS | 102 | 96 | 104 | | 0 |
| 13 | | | | | | |
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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

3B

# SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix Spike - EPA Sample No.: E00S5 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 | 81 | 0 | 27 | 33* | 59-172 |
| Trichloroethene | 81 | 0 | 15 | 19* | 62-137 |
| Benzene | 81 | 0 | 31 | 38* | 66-142 |
| Toluene | 81 | 0 | 23 | 28* | 59-139 |
| Chlorobenzene | 81 | 0 | 12 | 15* | 60-133 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 81 | 34 | 42* | 24* | 22 | 59-172 |
| Trichloroethene | 81 | 18 | 22* | 15 | 24 | 62-137 |
| Benzene | 81 | 37 | 46* | 19 | 21 | 66-142 |
| Toluene | 81 | 30 | 37* | 28* | 21 | 59-139 |
| Chlorobenzene | 81 | 15 | 19* | 24* | 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: 10 out of 10 outside limits

COMMENTS: _____

FORM III VOA-2 OLM04.2

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKWD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Lab File ID: 68331B59 Lab Sample ID: 68331

Date Analyzed: 05/14/05 Time Analyzed: 1944

GC Column: EQUITY624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E00S9RE | 652105 | 652105RB59 | 2051 |
| 02 | E00S5MS | 68334 | 68334RB59 | 2120 |
| 03 | E00S5MSD | 68335 | 68335RB59 | 2148 |
| 04 | VHBLKZS | 652107 | 652107RB59 | 2216 |
| 05 | | | | |
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKWH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Lab File ID: 68384B59 Lab Sample ID: 68384

Date Analyzed: 05/13/05 Time Analyzed: 2013

GC Column: EQUITY624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E00S5 | 652101 | 652101B59 | 2041 |
| 02 | E00S6 | 652102 | 652102B59 | 2205 |
| 03 | E00S7 | 652103 | 652103B59 | 2234 |
| 04 | E00S8 | 652104 | 652104B59 | 2302 |
| 05 | E00S9 | 652105 | 652105B59 | 2330 |
| 06 | E00T0 | 652106 | 652106B59 | 2358 |
| 07 | | | | |
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COMMENTS:

page 1 of 1

FORM IV VOA OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652101

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652101B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 38 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 16 | U |
| 74-87-3 | Chloromethane | 16 | U |
| 75-01-4 | Vinyl Chloride | 16 | U |
| 74-83-9 | Bromomethane | 16 | U |
| 75-00-3 | Chloroethane | 16 | U |
| 75-69-4 | Trichlorofluoromethane | 16 | U |
| 75-35-4 | 1,1-Dichloroethene | 16 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 16 | U |
| 67-64-1 | Acetone | 22 | |
| 75-15-0 | Carbon Disulfide | 16 | U |
| 79-20-9 | Methyl Acetate | 16 | U |
| 75-09-2 | Methylene Chloride | 10 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 16 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 16 | U |
| 75-34-3 | 1,1-Dichloroethane | 16 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 16 | U |
| 78-93-3 | 2-Butanone | 16 | U |
| 67-66-3 | Chloroform | 16 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 16 | U |
| 110-82-7 | Cyclohexane | 16 | U |
| 56-23-5 | Carbon Tetrachloride | 16 | U |
| 71-43-2 | Benzene | 16 | U |
| 107-06-2 | 1,2-Dichloroethane | 16 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652101

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652101B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 38 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 16 | U |
| 108-87-2 | Methylcyclohexane | 16 | U |
| 78-87-5 | 1,2-Dichloropropane | 16 | U |
| 75-27-4 | Bromodichloromethane | 16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 16 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 16 | U |
| 108-88-3 | Toluene | 16 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 16 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 16 | U |
| 127-18-4 | Tetrachloroethene | 16 | U |
| 591-78-6 | 2-Hexanone | 16 | U |
| 124-48-1 | Dibromochloromethane | 16 | U |
| 106-93-4 | 1,2-Dibromoethane | 16 | U |
| 108-90-7 | Chlorobenzene | 16 | U |
| 100-41-4 | Ethylbenzene | 16 | U |
| 1330-20-7 | Xylene (Total) | 16 | U |
| 100-42-5 | Styrene | 16 | U |
| 75-25-2 | Bromoform | 16 | U |
| 98-82-8 | Isopropylbenzene | 16 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 16 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 16 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 16 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 16 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 16 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 16 | U |

1F

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652101

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652101B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 38 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (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. 75-45-6 | METHANE, CHLORODIFLUORO- | 3.44 | 630 | NJ |
| 2. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68334

Sample wt/vol: 5.0(g/mL) G Lab File ID: 68334RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 38 Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 16 | U |
| 74-87-3 | Chloromethane | 16 | U |
| 75-01-4 | Vinyl Chloride | 16 | U |
| 74-83-9 | Bromomethane | 16 | U |
| 75-00-3 | Chloroethane | 16 | U |
| 75-69-4 | Trichlorofluoromethane | 16 | U |
| 75-35-4 | 1,1-Dichloroethene | 27 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 16 | U |
| 67-64-1 | Acetone | 11 | J |
| 75-15-0 | Carbon Disulfide | 16 | U |
| 79-20-9 | Methyl Acetate | 16 | U |
| 75-09-2 | Methylene Chloride | 4 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 16 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 16 | U |
| 75-34-3 | 1,1-Dichloroethane | 16 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 16 | U |
| 78-93-3 | 2-Butanone | 16 | U |
| 67-66-3 | Chloroform | 16 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 16 | U |
| 110-82-7 | Cyclohexane | 16 | U |
| 56-23-5 | Carbon Tetrachloride | 16 | U |
| 71-43-2 | Benzene | 31 | |
| 107-06-2 | 1,2-Dichloroethane | 16 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68334

Sample wt/vol: 5.0(g/mL) G Lab File ID: 68334RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 38 Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 15 | J |
| 108-87-2 | Methylcyclohexane | 16 | U |
| 78-87-5 | 1,2-Dichloropropane | 16 | U |
| 75-27-4 | Bromodichloromethane | 16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 16 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 16 | U |
| 108-88-3 | Toluene | 23 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 16 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 16 | U |
| 127-18-4 | Tetrachloroethene | 16 | U |
| 591-78-6 | 2-Hexanone | 16 | U |
| 124-48-1 | Dibromochloromethane | 16 | U |
| 106-93-4 | 1,2-Dibromoethane | 16 | U |
| 108-90-7 | Chlorobenzene | 12 | J |
| 100-41-4 | Ethylbenzene | 16 | U |
| 1330-20-7 | Xylene (Total) | 16 | U |
| 100-42-5 | Styrene | 16 | U |
| 75-25-2 | Bromoform | 16 | U |
| 98-82-8 | Isopropylbenzene | 16 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 16 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 16 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 16 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 16 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 16 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 16 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68335

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 68335RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 38 Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 16 | U |
| 74-87-3 | Chloromethane | 16 | U |
| 75-01-4 | Vinyl Chloride | 16 | U |
| 74-83-9 | Bromomethane | 16 | U |
| 75-00-3 | Chloroethane | 16 | U |
| 75-69-4 | Trichlorofluoromethane | 16 | U |
| 75-35-4 | 1,1-Dichloroethene | 34 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 16 | U |
| 67-64-1 | Acetone | 17 | |
| 75-15-0 | Carbon Disulfide | 16 | U |
| 79-20-9 | Methyl Acetate | 16 | U |
| 75-09-2 | Methylene Chloride | 3 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 16 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 16 | U |
| 75-34-3 | 1,1-Dichloroethane | 16 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 16 | U |
| 78-93-3 | 2-Butanone | 16 | U |
| 67-66-3 | Chloroform | 16 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 16 | U |
| 110-82-7 | Cyclohexane | 16 | U |
| 56-23-5 | Carbon Tetrachloride | 16 | U |
| 71-43-2 | Benzene | 37 | |
| 107-06-2 | 1,2-Dichloroethane | 16 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68335

Sample wt/vol: 5.0(g/mL) G Lab File ID: 68335RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 38 Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 18 | |
| 108-87-2 | Methylcyclohexane | 16 | U |
| 78-87-5 | 1,2-Dichloropropane | 16 | U |
| 75-27-4 | Bromodichloromethane | 16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 16 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 16 | U |
| 108-88-3 | Toluene | 30 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 16 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 16 | U |
| 127-18-4 | Tetrachloroethene | 16 | U |
| 591-78-6 | 2-Hexanone | 16 | U |
| 124-48-1 | Dibromochloromethane | 16 | U |
| 106-93-4 | 1,2-Dibromoethane | 16 | U |
| 108-90-7 | Chlorobenzene | 15 | J |
| 100-41-4 | Ethylbenzene | 16 | U |
| 1330-20-7 | Xylene (Total) | 16 | U |
| 100-42-5 | Styrene | 16 | U |
| 75-25-2 | Bromoform | 16 | U |
| 98-82-8 | Isopropylbenzene | 16 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 16 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 16 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 16 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 16 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 16 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 16 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652102

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652102B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 16 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 | 17 | |
| 156-60-5 | trans-1,2-Dichloroethene | 12 | U |
| 1634-04-4 | Methyl-tert-butyl 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

EPA SAMPLE NO.

E00S6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652102

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652102B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 16 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 |

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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652102

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652102B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 16 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (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. 75-45-6 | METHANE, CHLORODIFLUORO- | 3.44 | 490 | NJ |
| 2. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652103B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 13 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 | 11 | U |
| 75-15-0 | Carbon Disulfide | 11 | U |
| 79-20-9 | Methyl Acetate | 11 | U |
| 75-09-2 | Methylene Chloride | 12 | |
| 156-60-5 | trans-1,2-Dichloroethene | 11 | U |
| 1634-04-4 | Methyl-tert-butyl 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 |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652103B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 13 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652103B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 13 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (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. 75-45-6 | METHANE, CHLORODIFLUORO- | 3.44 | 450 | NJ |
| 2. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652104B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 25 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 | 18 | |
| 75-15-0 | Carbon Disulfide | 13 | U |
| 79-20-9 | Methyl Acetate | 13 | U |
| 75-09-2 | Methylene Chloride | 17 | |
| 156-60-5 | trans-1,2-Dichloroethene | 13 | U |
| 1634-04-4 | Methyl-tert-butyl 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 | |
| 107-06-2 | 1,2-Dichloroethane | 13 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652104B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 25 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 | 4 | J |
| 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) | 9 | J |
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652104B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 25 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 75-45-6 | METHANE, CHLORODIFLUORO- | 3.44 | 470 | NJ |
| 2. 496-11-7 | INDANE | 14.63 | 20 | NJ |
| 3. 95-13-6 | INDENE | 14.83 | 110 | NJ |
| 4. | SUBSTITUTED BENZENE | 15.13 | 7 | J |
| 5. 17059-52-8 | BENZOFURAN, 7-METHYL- | 15.36 | 23 | NJ |
| 6. 4265-25-2 | BENZOFURAN, 2-METHYL- | 15.46 | 11 | NJ |
| 7. | SUBSTITUTED BENZENE | 15.50 | 18 | J |
| 8. | SUBSTITUTED BENZENE | 15.83 | 14 | J |
| 9. | UNKNOWN | 15.88 | 12 | J |
| 10. 65051-83-4 | BENZENE, (1-METHYL-2-CYCLOPR | 15.96 | 18 | NJ |
| 11. 15677-15-3 | CYCLOPROP[A]INDENE, 1,1A,6,6 | 16.07 | 39 | NJ |
| 12. 95-15-8 | BENZO[B]THIOPHENE | 16.79 | 89 | NJ |
| 13. 90-12-0 | NAPHTHALENE, 1-METHYL- | 18.02 | 170 | NJ |
| 14. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652105B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 28 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 | 7 | J |
| 75-15-0 | Carbon Disulfide | 14 | U |
| 79-20-9 | Methyl Acetate | 14 | U |
| 75-09-2 | Methylene Chloride | 9 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 14 | U |
| 1634-04-4 | Methyl-tert-butyl 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 | 6 | J |
| 107-06-2 | 1,2-Dichloroethane | 14 | U |

1B

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652105B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 28 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 |

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652105B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 28 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (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 | 3.44 | 640 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S9RE

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652105RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 28 Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 19 | |
| 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 | 11 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 14 | U |
| 1634-04-4 | Methyl-tert-butyl 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 | 12 | J |
| 107-06-2 | 1,2-Dichloroethane | 14 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S9RE

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652105RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 28 Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 |

1F

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S9RE

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652105RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 28 Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (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 | 3.45 | 41 | JB |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
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| 6. | | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00T0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652106

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652106B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 12 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 | 11 | U |
| 75-15-0 | Carbon Disulfide | 11 | U |
| 79-20-9 | Methyl Acetate | 11 | U |
| 75-09-2 | Methylene Chloride | 8 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 11 | U |
| 1634-04-4 | Methyl-tert-butyl 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 |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00T0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652106

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652106B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 12 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00T0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652106

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652106B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. 12 Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (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 | 3.44 | 370 | J |
| 2. | | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68331

Sample wt/vol: 5.0(g/mL) G Lab File ID: 68331B59

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

% Moisture: not dec. _____ Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68331

Sample wt/vol: 5.0(g/mL) G Lab File ID: 68331B59

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

% Moisture: not dec. _____ Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKWD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68331

Sample wt/vol: 5.0(g/mL) G Lab File ID: 68331B59

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

% Moisture: not dec. _____ Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (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 | 3.46 | 7 | J |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68384

Sample wt/vol: 5.0(g/mL) G Lab File ID: 68384B59

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

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68384

Sample wt/vol: 5.0(g/mL) G Lab File ID: 68384B59

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

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKWH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68384

Sample wt/vol: 5.0(g/mL) G Lab File ID: 68384B59

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

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: EQUITY624 ID: 0.53 (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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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKZS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652107

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652107RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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 | 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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKZS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652107

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652107RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKZS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652107

Sample wt/vol: 5.0(g/mL) G Lab File ID: 652107RB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/14/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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FORM 1 VOA-TIC OLM04.2

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

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 | SBLKIN | 51 | 52 | 65 | 48 | 56 | 48 | 56 | 51 | 0 |
| 02 | E00S5 | 48 | 48 | 48 | 45 | 48 | 33 | 48 | 22 | 0 |
| 03 | E00S5MS | 59 | 59 | 63 | 58 | 58 | 68 | 60 | 56 | 0 |
| 04 | E00S5MSD | 59 | 63 | 67 | 65 | 63 | 50 | 63 | 33 | 0 |
| 05 | E00S7 | 58 | 63 | 74 | 48 | 52 | 55 | 52 | 48 | 0 |
| 06 | E00S7DL | 40 | 68 | 84 | 34 | 45 | 26 | 45 | 21 | 0 |
| 07 | E00T0 | 58 | 63 | 68 | 50 | 57 | 50 | 61 | 52 | 0 |
| 08 | E00S9 | 48 | 57 | 65 | 43 | 49 | 43 | 54 | 48 | 0 |
| 09 | | | | | | | | | | |
| 10 | | | | | | | | | | |
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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

2D
# SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Level:(low/med) MED

| | EPA SAMPLE NO. | S1 (NBZ) # | S2 (FBP) # | S3 (TPH) # | S4 (PHL) # | S5 (2FP) # | S6 (TBP) # | S7 (2CP) # | S8 (DCB) # | TOT OUT |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | SBLKKM | 88 | 92 | 88 | 85 | 85 | 97 | 88 | 92 | 0 |
| 02 | E00S6 | 60 | 65 | 67 | 57 | 52 | 72 | 58 | 62 | 0 |
| 03 | E00S6MS | 63 | 75 | 72 | 64 | 57 | 80 | 63 | 67 | 0 |
| 04 | E00S6MSD | 70 | 82 | 82 | 69 | 57 | 91 | 66 | 68 | 0 |
| 05 | E00S8 | 60 | 66 | 66 | 58 | 54 | 73 | 58 | 60 | 0 |
| 06 | E00S8DL | 78 | 90 | 90 | 81 | 68 | 92 | 76 | 88 | 0 |
| 07 | | | | | | | | | | |
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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

3D

# SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix Spike - EPA Sample No.: E00S5 Level:(low/med) LOW

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| Phenol | 4000 | 0 | 2600 | 65 | 26- 90 |
| 2-Chlorophenol | 4000 | 0 | 2500 | 63 | 25-102 |
| N-Nitroso-di-n-prop.(1) | 2700 | 0 | 1800 | 67 | 41-126 |
| 4-Chloro-3-methylphenol | 4000 | 0 | 2700 | 68 | 26-103 |
| Acenaphthene | 2700 | 0 | 1900 | 70 | 31-137 |
| 4-Nitrophenol | 4000 | 0 | 4400 | 110 | 11-114 |
| 2,4-Dinitrotoluene | 2700 | 0 | 1700 | 63 | 28- 89 |
| Pentachlorophenol | 4000 | 0 | 3700 | 93 | 17-109 |
| Pyrene | 2700 | 0 | 2000 | 74 | 35-142 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Phenol | 4000 | 2900 | 73 | 12 | 35 | 26- 90 |
| 2-Chlorophenol | 4000 | 2700 | 68 | 8 | 50 | 25-102 |
| N-Nitroso-di-n-prop.(1) | 2700 | 2000 | 74 | 10 | 38 | 41-126 |
| 4-Chloro-3-methylphenol | 4000 | 3000 | 75 | 10 | 33 | 26-103 |
| Acenaphthene | 2700 | 1400 | 52 | 30* | 19 | 31-137 |
| 4-Nitrophenol | 4000 | 4900 | 123* | 11 | 50 | 11-114 |
| 2,4-Dinitrotoluene | 2700 | 1900 | 70 | 11 | 47 | 28- 89 |
| Pentachlorophenol | 4000 | 2900 | 73 | 24 | 47 | 17-109 |
| Pyrene | 2700 | 300 | 11* | 148* | 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: 2 out of 9 outside limits
Spike Recovery: 2 out of 18 outside limits

COMMENTS:

3D

# SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix Spike - EPA Sample No.: E00S6 Level:(low/med) MED

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| Phenol | 89000 | 0 | 54000 | 61 | 26- 90 |
| 2-Chlorophenol | 89000 | 0 | 55000 | 62 | 25-102 |
| N-Nitroso-di-n-prop.(1) | 60000 | 0 | 41000 | 68 | 41-126 |
| 4-Chloro-3-methylphenol | 89000 | 0 | 65000 | 73 | 26-103 |
| Acenaphthene | 60000 | 7900 | 53000 | 75 | 31-137 |
| 4-Nitrophenol | 89000 | 0 | 69000 | 78 | 11-114 |
| 2,4-Dinitrotoluene | 60000 | 0 | 47000 | 78 | 28- 89 |
| Pentachlorophenol | 89000 | 0 | 52000 | 58 | 17-109 |
| Pyrene | 60000 | 100000 | 150000 | 83 | 35-142 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Phenol | 89000 | 60000 | 67 | 9 | 35 | 26- 90 |
| 2-Chlorophenol | 89000 | 59000 | 66 | 6 | 50 | 25-102 |
| N-Nitroso-di-n-prop.(1) | 60000 | 45000 | 75 | 10 | 38 | 41-126 |
| 4-Chloro-3-methylphenol | 89000 | 72000 | 81 | 10 | 33 | 26-103 |
| Acenaphthene | 60000 | 58000 | 84 | 11 | 19 | 31-137 |
| 4-Nitrophenol | 89000 | 82000 | 92 | 16 | 50 | 11-114 |
| 2,4-Dinitrotoluene | 60000 | 53000 | 88 | 12 | 47 | 28- 89 |
| Pentachlorophenol | 89000 | 57000 | 64 | 10 | 47 | 17-109 |
| Pyrene | 60000 | 180000 | 133 | 46* | 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: 1 out of 9 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKIN

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Lab File ID: 68252A64 Lab Sample ID: 68252

Instrument ID: 5972HP64 Date Extracted: 05/07/05

Matrix: (soil/water) SOIL Date Analyzed: 05/15/05

Level: (low/med) LOW Time Analyzed: 0952

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|---|
| 01 | E00S5 | 652101 | 652101A64 | 05/15/05 |
| 02 | E00S5MS | 68253 | 68253A64 | 05/15/05 |
| 03 | E00S5MSD | 68254 | 68254A64 | 05/15/05 |
| 04 | E00S7 | 652103 | 652103DA64 | 05/15/05 |
| 05 | E00S7DL | 652103DL | 652103D2A64 | 05/16/05 |
| 06 | E00T0 | 652106 | 652106D2A64 | 05/16/05 |
| 07 | E00S9 | 652105 | 652105JA64 | 05/24/05 |
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COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKM

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Lab File ID: 69046A66 Lab Sample ID: 69046

Instrument ID: 5972HP66 Date Extracted: 05/16/05

Matrix: (soil/water) SOIL Date Analyzed: 05/19/05

Level: (low/med) MED Time Analyzed: 1621

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|---|
| 01 | E00S6 | 652102 | 652102DA66 | 05/19/05 |
| 02 | E00S6MS | 69047 | 69047DA66 | 05/19/05 |
| 03 | E00S6MSD | 69048 | 69048DA66 | 05/19/05 |
| 04 | E00S8 | 652104 | 652104DA66 | 05/19/05 |
| 05 | E00S8DL | 652104DL | 652104D2A66 | 05/19/05 |
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COMMENTS:

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652101

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652101A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 38 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 530 | U |
| 108-95-2 | Phenol | 530 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 530 | U |
| 95-57-8 | 2-Chlorophenol | 530 | U |
| 95-48-7 | 2-Methylphenol | 530 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 530 | U |
| 98-86-2 | Acetophenone | 530 | U |
| 106-44-5 | 4-Methylphenol | 530 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 530 | U |
| 67-72-1 | Hexachloroethane | 530 | U |
| 98-95-3 | Nitrobenzene | 530 | U |
| 78-59-1 | Isophorone | 530 | U |
| 88-75-5 | 2-Nitrophenol | 530 | U |
| 105-67-9 | 2,4-Dimethylphenol | 530 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 530 | U |
| 120-83-2 | 2,4-Dichlorophenol | 530 | U |
| 91-20-3 | Naphthalene | 530 | U |
| 106-47-8 | 4-Chloroaniline | 530 | U |
| 87-68-3 | Hexachlorobutadiene | 530 | U |
| 105-60-2 | Caprolactam | 530 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 530 | U |
| 91-57-6 | 2-Methylnaphthalene | 530 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 530 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 530 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1300 | U |
| 92-52-4 | 1,1'-Biphenyl | 530 | U |
| 91-58-7 | 2-Chloronaphthalene | 530 | U |
| 88-74-4 | 2-Nitroaniline | 1300 | U |
| 131-11-3 | Dimethylphthalate | 530 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 530 | U |
| 208-96-8 | Acenaphthylene | 530 | U |
| 99-09-2 | 3-Nitroaniline | 1300 | U |
| 83-32-9 | Acenaphthene | 530 | U |

1D

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652101

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652101A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 38 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1300 | U |
| 100-02-7 | 4-Nitrophenol | 1300 | U |
| 132-64-9 | Dibenzofuran | 530 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 530 | U |
| 84-66-2 | Diethylphthalate | 530 | U |
| 86-73-7 | Fluorene | 530 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 530 | U |
| 100-01-6 | 4-Nitroaniline | 1300 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1300 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 530 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 530 | U |
| 118-74-1 | Hexachlorobenzene | 530 | U |
| 1912-24-9 | Atrazine | 530 | U |
| 87-86-5 | Pentachlorophenol | 1300 | U |
| 85-01-8 | Phenanthrene | 530 | U |
| 120-12-7 | Anthracene | 530 | U |
| 86-74-8 | Carbazole | 530 | U |
| 84-74-2 | Di-n-butylphthalate | 530 | U |
| 206-44-0 | Fluoranthene | 150 | J |
| 129-00-0 | Pyrene | 530 | U |
| 85-68-7 | Butylbenzylphthalate | 530 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 530 | U |
| 56-55-3 | Benzo(a)anthracene | 140 | J |
| 218-01-9 | Chrysene | 120 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 530 | U |
| 117-84-0 | Di-n-octylphthalate | 530 | U |
| 205-99-2 | Benzo(b)fluoranthene | 130 | J |
| 207-08-9 | Benzo(k)fluoranthene | 120 | J |
| 50-32-8 | Benzo(a)pyrene | 530 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 530 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 530 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 530 | U |

(1) - Cannot be separated from Diphenylamine

1G

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652101

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 652101A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 38 Decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 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 | 5.84 | 940 | ~~JB~~ u |
| 2. | UNKNOWN | 7.26 | 350 | ~~JB~~ u |
| 3. | UNKNOWN | 25.05 | 200 | J |
| 4. | UNKNOWN | 26.08 | 190 | J |
| 5. | UNKNOWN | 27.27 | 160 | J |
| 6. | UNKNOWN | 28.64 | 190 | J |
| 7. | UNKNOWN | 29.23 | 120 | J |
| 8. | UNKNOWN | 31.16 | 190 | J |
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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68253

Sample wt/vol: 30.0(g/mL) G Lab File ID: 68253A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 38 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 530 | U |
| 108-95-2 | Phenol | 2600 | |
| 111-44-4 | bis(2-Chloroethyl)ether | 530 | U |
| 95-57-8 | 2-Chlorophenol | 2500 | |
| 95-48-7 | 2-Methylphenol | 530 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 530 | U |
| 98-86-2 | Acetophenone | 530 | U |
| 106-44-5 | 4-Methylphenol | 530 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1800 | |
| 67-72-1 | Hexachloroethane | 530 | U |
| 98-95-3 | Nitrobenzene | 530 | U |
| 78-59-1 | Isophorone | 530 | U |
| 88-75-5 | 2-Nitrophenol | 530 | U |
| 105-67-9 | 2,4-Dimethylphenol | 530 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 530 | U |
| 120-83-2 | 2,4-Dichlorophenol | 530 | U |
| 91-20-3 | Naphthalene | 200 | J |
| 106-47-8 | 4-Chloroaniline | 530 | U |
| 87-68-3 | Hexachlorobutadiene | 530 | U |
| 105-60-2 | Caprolactam | 530 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2700 | |
| 91-57-6 | 2-Methylnaphthalene | 530 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 530 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 530 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1300 | U |
| 92-52-4 | 1,1'-Biphenyl | 530 | U |
| 91-58-7 | 2-Chloronaphthalene | 530 | U |
| 88-74-4 | 2-Nitroaniline | 1300 | U |
| 131-11-3 | Dimethylphthalate | 530 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 530 | U |
| 208-96-8 | Acenaphthylene | 530 | U |
| 99-09-2 | 3-Nitroaniline | 1300 | U |
| 83-32-9 | Acenaphthene | 1900 | |

1D

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68253

Sample wt/vol: 30.0(g/mL) G Lab File ID: 68253A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 38 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1300 | U |
| 100-02-7 | 4-Nitrophenol | 4400 | E |
| 132-64-9 | Dibenzofuran | 530 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1700 | |
| 84-66-2 | Diethylphthalate | 530 | U |
| 86-73-7 | Fluorene | 530 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 530 | U |
| 100-01-6 | 4-Nitroaniline | 1300 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1300 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 530 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 530 | U |
| 118-74-1 | Hexachlorobenzene | 530 | U |
| 1912-24-9 | Atrazine | 530 | U |
| 87-86-5 | Pentachlorophenol | 3700 | |
| 85-01-8 | Phenanthrene | 370 | J |
| 120-12-7 | Anthracene | 340 | J |
| 86-74-8 | Carbazole | 530 | U |
| 84-74-2 | Di-n-butylphthalate | 530 | U |
| 206-44-0 | Fluoranthene | 470 | J |
| 129-00-0 | Pyrene | 2000 | |
| 85-68-7 | Butylbenzylphthalate | 530 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 530 | U |
| 56-55-3 | Benzo(a)anthracene | 390 | J |
| 218-01-9 | Chrysene | 500 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 530 | U |
| 117-84-0 | Di-n-octylphthalate | 530 | U |
| 205-99-2 | Benzo(b)fluoranthene | 600 | |
| 207-08-9 | Benzo(k)fluoranthene | 470 | J |
| 50-32-8 | Benzo(a)pyrene | 620 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 540 | |
| 53-70-3 | Dibenzo(a,h)anthracene | 210 | J |
| 191-24-2 | Benzo(g,h,i)perylene | 120 | J |

(1) - Cannot be separated from Diphenylamine

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MSD

Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68254

Sample wt/vol: 30.0(g/mL) G Lab File ID: 68254A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 38 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 530 | U |
| 108-95-2 | Phenol | 2900 | |
| 111-44-4 | bis(2-Chloroethyl)ether | 530 | U |
| 95-57-8 | 2-Chlorophenol | 2700 | |
| 95-48-7 | 2-Methylphenol | 530 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 530 | U |
| 98-86-2 | Acetophenone | 530 | U |
| 106-44-5 | 4-Methylphenol | 530 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 2000 | |
| 67-72-1 | Hexachloroethane | 530 | U |
| 98-95-3 | Nitrobenzene | 530 | U |
| 78-59-1 | Isophorone | 530 | U |
| 88-75-5 | 2-Nitrophenol | 530 | U |
| 105-67-9 | 2,4-Dimethylphenol | 530 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 530 | U |
| 120-83-2 | 2,4-Dichlorophenol | 530 | U |
| 91-20-3 | Naphthalene | 530 | U |
| 106-47-8 | 4-Chloroaniline | 530 | U |
| 87-68-3 | Hexachlorobutadiene | 530 | U |
| 105-60-2 | Caprolactam | 530 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 3000 | |
| 91-57-6 | 2-Methylnaphthalene | 530 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 530 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 530 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1300 | U |
| 92-52-4 | 1,1'-Biphenyl | 530 | U |
| 91-58-7 | 2-Chloronaphthalene | 530 | U |
| 88-74-4 | 2-Nitroaniline | 1300 | U |
| 131-11-3 | Dimethylphthalate | 530 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 530 | U |
| 208-96-8 | Acenaphthylene | 530 | U |
| 99-09-2 | 3-Nitroaniline | 1300 | U |
| 83-32-9 | Acenaphthene | 1400 | |

1D

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68254

Sample wt/vol: 30.0(g/mL) G Lab File ID: 68254A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 38 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 1300 | U |
| 100-02-7 | 4-Nitrophenol | 4900 | E |
| 132-64-9 | Dibenzofuran | 530 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1900 | |
| 84-66-2 | Diethylphthalate | 530 | U |
| 86-73-7 | Fluorene | 530 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 530 | U |
| 100-01-6 | 4-Nitroaniline | 1300 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1300 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 530 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 530 | U |
| 118-74-1 | Hexachlorobenzene | 530 | U |
| 1912-24-9 | Atrazine | 530 | U |
| 87-86-5 | Pentachlorophenol | 2900 | |
| 85-01-8 | Phenanthrene | 170 | J |
| 120-12-7 | Anthracene | 530 | U |
| 86-74-8 | Carbazole | 530 | U |
| 84-74-2 | Di-n-butylphthalate | 530 | U |
| 206-44-0 | Fluoranthene | 240 | J |
| 129-00-0 | Pyrene | 300 | J |
| 85-68-7 | Butylbenzylphthalate | 530 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 530 | U |
| 56-55-3 | Benzo(a)anthracene | 260 | J |
| 218-01-9 | Chrysene | 250 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 530 | U |
| 117-84-0 | Di-n-octylphthalate | 530 | U |
| 205-99-2 | Benzo(b)fluoranthene | 250 | J |
| 207-08-9 | Benzo(k)fluoranthene | 250 | J |
| 50-32-8 | Benzo(a)pyrene | 530 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 530 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 110 | J |
| 191-24-2 | Benzo(g,h,i)perylene | 530 | U |

(1) - Cannot be separated from Diphenylamine

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6

Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652102

Sample wt/vol: 1.0(g/mL) G Lab File ID: 652102DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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 | 24000 | U |
| 108-95-2 | Phenol | 24000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 24000 | U |
| 95-57-8 | 2-Chlorophenol | 24000 | U |
| 95-48-7 | 2-Methylphenol | 24000 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 24000 | U |
| 98-86-2 | Acetophenone | 24000 | U |
| 106-44-5 | 4-Methylphenol | 24000 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 24000 | U |
| 67-72-1 | Hexachloroethane | 24000 | U |
| 98-95-3 | Nitrobenzene | 24000 | U |
| 78-59-1 | Isophorone | 24000 | U |
| 88-75-5 | 2-Nitrophenol | 24000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 24000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 24000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 24000 | U |
| 91-20-3 | Naphthalene | 24000 | |
| 106-47-8 | 4-Chloroaniline | 24000 | U |
| 87-68-3 | Hexachlorobutadiene | 24000 | U |
| 105-60-2 | Caprolactam | 24000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 24000 | U |
| 91-57-6 | 2-Methylnaphthalene | 24000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 24000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 24000 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 60000 | U |
| 92-52-4 | 1,1'-Biphenyl | 24000 | U |
| 91-58-7 | 2-Chloronaphthalene | 24000 | U |
| 88-74-4 | 2-Nitroaniline | 60000 | U |
| 131-11-3 | Dimethylphthalate | 24000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 24000 | U |
| 208-96-8 | Acenaphthylene | 16000 | J |
| 99-09-2 | 3-Nitroaniline | 60000 | U |
| 83-32-9 | Acenaphthene | 7900 | J |

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652102

Sample wt/vol: 1.0(g/mL) G Lab File ID: 652102DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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 | 60000 | U |
| 100-02-7 | 4-Nitrophenol | 60000 | U |
| 132-64-9 | Dibenzofuran | 6000 | J |
| 121-14-2 | 2,4-Dinitrotoluene | 24000 | U |
| 84-66-2 | Diethylphthalate | 24000 | U |
| 86-73-7 | Fluorene | 6500 | J |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 24000 | U |
| 100-01-6 | 4-Nitroaniline | 60000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 60000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 24000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 24000 | U |
| 118-74-1 | Hexachlorobenzene | 24000 | U |
| 1912-24-9 | Atrazine | 24000 | U |
| 87-86-5 | Pentachlorophenol | 60000 | U |
| 85-01-8 | Phenanthrene | 50000 | |
| 120-12-7 | Anthracene | 19000 | J |
| 86-74-8 | Carbazole | 8000 | J |
| 84-74-2 | Di-n-butylphthalate | 24000 | U |
| 206-44-0 | Fluoranthene | 130000 | |
| 129-00-0 | Pyrene | 100000 | |
| 85-68-7 | Butylbenzylphthalate | 24000 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 24000 | U |
| 56-55-3 | Benzo(a)anthracene | 81000 | |
| 218-01-9 | Chrysene | 81000 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 24000 | U |
| 117-84-0 | Di-n-octylphthalate | 24000 | U |
| 205-99-2 | Benzo(b)fluoranthene | 130000 | |
| 207-08-9 | Benzo(k)fluoranthene | 93000 | |
| 50-32-8 | Benzo(a)pyrene | 130000 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 98000 | |
| 53-70-3 | Dibenzo(a,h)anthracene | 28000 | |
| 191-24-2 | Benzo(g,h,i)perylene | 69000 | |

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652102

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 652102DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICs found: 30

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 203-64-5 | 4H-CYCLOPENTA[DEF]PHENANTHRE | 20.09 | 17000 | NJ |
| 2. 2381-21-7 | PYRENE, 1-METHYL- | 21.65 | 18000 | NJ |
| 3. 243-17-4 | 11H-BENZO[B]FLUORENE | 21.74 | 13000 | NJ |
| 4. | UNKNOWN | 21.80 | 11000 | J |
| 5. | UNKNOWN | 22.59 | 16000 | J |
| 6. | UNKNOWN | 23.09 | 13000 | J |
| 7. 3697-24-3 | CHRYSENE, 5-METHYL- | 23.61 | 15000 | NJ |
| 8. | UNKNOWN | 23.80 | 14000 | J |
| 9. | UNKNOWN | 23.87 | 11000 | J |
| 10. | UNKNOWN | 23.92 | 12000 | J |
| 11. | UNKNOWN | 24.30 | 15000 | J |
| 12. | UNKNOWN | 24.69 | 11000 | J |
| 13. 207-08-9 | BENZO[K]FLUORANTHENE | 25.31 | 32000 | NJ |
| 14. 207-93-2 | DINAPHTHO[1,2-B:1',2'-D]FURA | 25.55 | 14000 | NJ |
| 15. 192-97-2 | BENZO[E]PYRENE | 25.76 | 80000 | NJ |
| 16. 205-82-3 | BENZO[J]FLUORANTHENE | 26.13 | 38000 | NJ |
| 17. 220-97-3 | 11H-INDENO[2,1-A]PHENANTHREN | 26.22 | 11000 | NJ |
| 18. 3343-10-0 | BENZ[J]ACEANTHRYLENE, 3-METH | 26.55 | 15000 | NJ |
| 19. 241-28-1 | 8H-INDENO[2,1-B]PHENANTHRENE | 26.69 | 13000 | NJ |
| 20. | UNKNOWN | 27.44 | 17000 | J |
| 21. | UNKNOWN | 28.73 | 17000 | J |
| 22. 944-61-6 | BENZENE, 1,2,3,4-TETRACHLORO | 28.95 | 33000 | NJ |
| 23. 53-70-3 | DIBENZ[A,H]ANTHRACENE | 29.54 | 25000 | NJ |
| 24. 215-58-7 | BENZO[B]TRIPHENYLENE | 29.64 | 41000 | NJ |
| 25. | UNKNOWN | 29.77 | 12000 | J |
| 26. | UNKNOWN | 29.99 | 14000 | J |
| 27. | UNKNOWN | 30.09 | 11000 | J |
| 28. 191-24-2 | BENZO[GHI]PERYLENE | 30.19 | 38000 | NJ |
| 29. | UNKNOWN | 30.97 | 12000 | J |
| 30. | UNKNOWN | 31.46 | 11000 | J |

FORM I SV-TIC OLM04.2

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 69047

Sample wt/vol: 1.0(g/mL) G Lab File ID: 69047DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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 | 24000 | U |
| 108-95-2 | Phenol | 54000 | |
| 111-44-4 | bis(2-Chloroethyl)ether | 24000 | U |
| 95-57-8 | 2-Chlorophenol | 55000 | |
| 95-48-7 | 2-Methylphenol | 24000 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 24000 | U |
| 98-86-2 | Acetophenone | 24000 | U |
| 106-44-5 | 4-Methylphenol | 24000 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 41000 | |
| 67-72-1 | Hexachloroethane | 24000 | U |
| 98-95-3 | Nitrobenzene | 24000 | U |
| 78-59-1 | Isophorone | 24000 | U |
| 88-75-5 | 2-Nitrophenol | 24000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 24000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 24000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 24000 | U |
| 91-20-3 | Naphthalene | 32000 | |
| 106-47-8 | 4-Chloroaniline | 24000 | U |
| 87-68-3 | Hexachlorobutadiene | 24000 | U |
| 105-60-2 | Caprolactam | 24000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 65000 | |
| 91-57-6 | 2-Methylnaphthalene | 24000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 24000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 24000 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 60000 | U |
| 92-52-4 | 1,1'-Biphenyl | 24000 | U |
| 91-58-7 | 2-Chloronaphthalene | 24000 | U |
| 88-74-4 | 2-Nitroaniline | 60000 | U |
| 131-11-3 | Dimethylphthalate | 24000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 24000 | U |
| 208-96-8 | Acenaphthylene | 15000 | J |
| 99-09-2 | 3-Nitroaniline | 60000 | U |
| 83-32-9 | Acenaphthene | 53000 | |

1D

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 69047

Sample wt/vol: 1.0(g/mL) G Lab File ID: 69047DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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 | 60000 | U |
| 100-02-7 | 4-Nitrophenol | 69000 | |
| 132-64-9 | Dibenzofuran | 7500 | J |
| 121-14-2 | 2,4-Dinitrotoluene | 47000 | |
| 84-66-2 | Diethylphthalate | 24000 | U |
| 86-73-7 | Fluorene | 7200 | J |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 24000 | U |
| 100-01-6 | 4-Nitroaniline | 60000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 60000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 24000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 24000 | U |
| 118-74-1 | Hexachlorobenzene | 24000 | U |
| 1912-24-9 | Atrazine | 24000 | U |
| 87-86-5 | Pentachlorophenol | 52000 | J |
| 85-01-8 | Phenanthrene | 54000 | |
| 120-12-7 | Anthracene | 21000 | J |
| 86-74-8 | Carbazole | 8000 | J |
| 84-74-2 | Di-n-butylphthalate | 24000 | U |
| 206-44-0 | Fluoranthene | 130000 | |
| 129-00-0 | Pyrene | 150000 | |
| 85-68-7 | Butylbenzylphthalate | 24000 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 24000 | U |
| 56-55-3 | Benzo(a)anthracene | 85000 | |
| 218-01-9 | Chrysene | 84000 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 24000 | U |
| 117-84-0 | Di-n-octylphthalate | 24000 | U |
| 205-99-2 | Benzo(b)fluoranthene | 110000 | |
| 207-08-9 | Benzo(k)fluoranthene | 94000 | |
| 50-32-8 | Benzo(a)pyrene | 120000 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 95000 | |
| 53-70-3 | Dibenzo(a,h)anthracene | 28000 | |
| 191-24-2 | Benzo(g,h,i)perylene | 48000 | |

(1) - Cannot be separated from Diphenylamine

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 69048

Sample wt/vol: 1.0(g/mL) G Lab File ID: 69048DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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 | 24000 | U |
| 108-95-2 | Phenol | 60000 | |
| 111-44-4 | bis(2-Chloroethyl)ether | 24000 | U |
| 95-57-8 | 2-Chlorophenol | 59000 | |
| 95-48-7 | 2-Methylphenol | 24000 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 24000 | U |
| 98-86-2 | Acetophenone | 24000 | U |
| 106-44-5 | 4-Methylphenol | 24000 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 45000 | |
| 67-72-1 | Hexachloroethane | 24000 | U |
| 98-95-3 | Nitrobenzene | 24000 | U |
| 78-59-1 | Isophorone | 24000 | U |
| 88-75-5 | 2-Nitrophenol | 24000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 24000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 24000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 24000 | U |
| 91-20-3 | Naphthalene | 36000 | |
| 106-47-8 | 4-Chloroaniline | 24000 | U |
| 87-68-3 | Hexachlorobutadiene | 24000 | U |
| 105-60-2 | Caprolactam | 24000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 72000 | |
| 91-57-6 | 2-Methylnaphthalene | 24000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 24000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 24000 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 60000 | U |
| 92-52-4 | 1,1'-Biphenyl | 24000 | U |
| 91-58-7 | 2-Chloronaphthalene | 24000 | U |
| 88-74-4 | 2-Nitroaniline | 60000 | U |
| 131-11-3 | Dimethylphthalate | 24000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 24000 | U |
| 208-96-8 | Acenaphthylene | 21000 | J |
| 99-09-2 | 3-Nitroaniline | 60000 | U |
| 83-32-9 | Acenaphthene | 58000 | |

1D

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6MSD

Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 69048

Sample wt/vol: 1.0(g/mL) G Lab File ID: 69048DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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 | 60000 | U |
| 100-02-7 | 4-Nitrophenol | 82000 | |
| 132-64-9 | Dibenzofuran | 8200 | J |
| 121-14-2 | 2,4-Dinitrotoluene | 53000 | |
| 84-66-2 | Diethylphthalate | 24000 | U |
| 86-73-7 | Fluorene | 8600 | J |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 24000 | U |
| 100-01-6 | 4-Nitroaniline | 60000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 60000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 24000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 24000 | U |
| 118-74-1 | Hexachlorobenzene | 24000 | U |
| 1912-24-9 | Atrazine | 24000 | U |
| 87-86-5 | Pentachlorophenol | 57000 | J |
| 85-01-8 | Phenanthrene | 68000 | |
| 120-12-7 | Anthracene | 28000 | |
| 86-74-8 | Carbazole | 9200 | J |
| 84-74-2 | Di-n-butylphthalate | 24000 | U |
| 206-44-0 | Fluoranthene | 170000 | |
| 129-00-0 | Pyrene | 180000 | |
| 85-68-7 | Butylbenzylphthalate | 24000 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 24000 | U |
| 56-55-3 | Benzo(a)anthracene | 96000 | |
| 218-01-9 | Chrysene | 98000 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 24000 | U |
| 117-84-0 | Di-n-octylphthalate | 24000 | U |
| 205-99-2 | Benzo(b)fluoranthene | 130000 | |
| 207-08-9 | Benzo(k)fluoranthene | 100000 | |
| 50-32-8 | Benzo(a)pyrene | 140000 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 110000 | |
| 53-70-3 | Dibenzo(a,h)anthracene | 33000 | |
| 191-24-2 | Benzo(g,h,i)perylene | 60000 | |

(1) - Cannot be separated from Diphenylamine

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 69048

Sample wt/vol: 1.0(g/mL) G Lab File ID: 69048DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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 | 60000 | U |
| 100-02-7 | 4-Nitrophenol | 82000 | |
| 132-64-9 | Dibenzofuran | 8200 | J |
| 121-14-2 | 2,4-Dinitrotoluene | 53000 | |
| 84-66-2 | Diethylphthalate | 24000 | U |
| 86-73-7 | Fluorene | 8600 | J |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 24000 | U |
| 100-01-6 | 4-Nitroaniline | 60000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 60000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 24000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 24000 | U |
| 118-74-1 | Hexachlorobenzene | 24000 | U |
| 1912-24-9 | Atrazine | 24000 | U |
| 87-86-5 | Pentachlorophenol | 57000 | J |
| 85-01-8 | Phenanthrene | 68000 | |
| 120-12-7 | Anthracene | 28000 | |
| 86-74-8 | Carbazole | 9200 | J |
| 84-74-2 | Di-n-butylphthalate | 24000 | U |
| 206-44-0 | Fluoranthene | 170000 | |
| 129-00-0 | Pyrene | 180000 | |
| 85-68-7 | Butylbenzylphthalate | 24000 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 24000 | U |
| 56-55-3 | Benzo(a)anthracene | 96000 | |
| 218-01-9 | Chrysene | 98000 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 24000 | U |
| 117-84-0 | Di-n-octylphthalate | 24000 | U |
| 205-99-2 | Benzo(b)fluoranthene | 130000 | |
| 207-08-9 | Benzo(k)fluoranthene | 100000 | |
| 50-32-8 | Benzo(a)pyrene | 140000 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 110000 | |
| 53-70-3 | Dibenzo(a,h)anthracene | 33000 | |
| 191-24-2 | Benzo(g,h,i)perylene | 60000 | |

(1) - Cannot be separated from Diphenylamine

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652103DA64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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 | 3800 | U |
| 108-95-2 | Phenol | 3800 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 3800 | U |
| 95-57-8 | 2-Chlorophenol | 3800 | U |
| 95-48-7 | 2-Methylphenol | 3800 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 3800 | U |
| 98-86-2 | Acetophenone | 3800 | U |
| 106-44-5 | 4-Methylphenol | 3800 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 3800 | U |
| 67-72-1 | Hexachloroethane | 3800 | U |
| 98-95-3 | Nitrobenzene | 3800 | U |
| 78-59-1 | Isophorone | 3800 | U |
| 88-75-5 | 2-Nitrophenol | 3800 | U |
| 105-67-9 | 2,4-Dimethylphenol | 3800 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 3800 | U |
| 120-83-2 | 2,4-Dichlorophenol | 3800 | U |
| 91-20-3 | Naphthalene | 12000 | |
| 106-47-8 | 4-Chloroaniline | 3800 | U |
| 87-68-3 | Hexachlorobutadiene | 3800 | U |
| 105-60-2 | Caprolactam | 3800 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 3800 | U |
| 91-57-6 | 2-Methylnaphthalene | 1900 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 3800 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 3800 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 9500 | U |
| 92-52-4 | 1,1'-Biphenyl | 3800 | U |
| 91-58-7 | 2-Chloronaphthalene | 3800 | U |
| 88-74-4 | 2-Nitroaniline | 9500 | U |
| 131-11-3 | Dimethylphthalate | 3800 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 3800 | U |
| 208-96-8 | Acenaphthylene | 5500 | |
| 99-09-2 | 3-Nitroaniline | 9500 | U |
| 83-32-9 | Acenaphthene | 3500 | J |

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652103DA64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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 | 9500 | U |
| 100-02-7 | 4-Nitrophenol | 9500 | U |
| 132-64-9 | Dibenzofuran | 3500 | J |
| 121-14-2 | 2,4-Dinitrotoluene | 3800 | U |
| 84-66-2 | Diethylphthalate | 3800 | U |
| 86-73-7 | Fluorene | 5200 | |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 3800 | U |
| 100-01-6 | 4-Nitroaniline | 9500 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 9500 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 3800 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 3800 | U |
| 118-74-1 | Hexachlorobenzene | 3800 | U |
| 1912-24-9 | Atrazine | 3800 | U |
| 87-86-5 | Pentachlorophenol | 9500 | U |
| 85-01-8 | Phenanthrene | 40000 | E |
| 120-12-7 | Anthracene | 13000 | |
| 86-74-8 | Carbazole | 4600 | |
| 84-74-2 | Di-n-butylphthalate | 3800 | U |
| 206-44-0 | Fluoranthene | 74000 | E |
| 129-00-0 | Pyrene | 50000 | E |
| 85-68-7 | Butylbenzylphthalate | 3800 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 3800 | U |
| 56-55-3 | Benzo(a)anthracene | 43000 | E |
| 218-01-9 | Chrysene | 42000 | E |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 3800 | U |
| 117-84-0 | Di-n-octylphthalate | 3800 | U |
| 205-99-2 | Benzo(b)fluoranthene | 59000 | E |
| 207-08-9 | Benzo(k)fluoranthene | 18000 | |
| 50-32-8 | Benzo(a)pyrene | 49000 | E |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 32000 | E |
| 53-70-3 | Dibenzo(a,h)anthracene | 12000 | |
| 191-24-2 | Benzo(g,h,i)perylene | 24000 | |

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

E00S7

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 652103DA64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICs found: 30

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 203-64-5 | 4H-CYCLOPENTA[DEF]PHENANTHRE | 20.84 | 6800 | NJ |
| 2. 206-44-0 | FLUORANTHENE | 21.97 | 4600 | NJ |
| 3. 238-84-6 | 11H-BENZO[A]FLUORENE | 22.74 | 12000 | NJ |
| 4. 243-17-4 | 11H-BENZO[B]FLUORENE | 22.85 | 8100 | NJ |
| 5. 3353-12-6 | PYRENE, 4-METHYL- | 22.90 | 3500 | NJ |
| 6. 243-46-9 | BENZO[B]NAPHTHO[2,3-D]THIOPH | 23.72 | 6300 | NJ |
| 7. | UNKNOWN | 23.80 | 13000 | J |
| 8. 225-51-4 | BENZ[C]ACRIDINE | 23.85 | 6900 | NJ |
| 9. | UNKNOWN | 24.32 | 7000 | J |
| 10. 82-05-3 | 7H-BENZ[DE]ANTHRACEN-7-ONE | 24.40 | 6200 | NJ |
| 11. 34777-33-8 | BENZO(C)CARBAZOLE | 24.48 | 11000 | NJ |
| 12. 243-28-7 | BENZO(B)CARBAZOLE | 24.56 | 8100 | NJ |
| 13. 3351-28-8 | CHRYSENE, 1-METHYL- | 24.79 | 11000 | NJ |
| 14. 3351-32-4 | 2-METHYLCHRYSENE | 24.85 | 5300 | NJ |
| 15. | UNKNOWN | 24.94 | 8100 | J |
| 16. | UNKNOWN | 24.98 | 7600 | J |
| 17. | UNKNOWN | 25.02 | 8400 | J |
| 18. | UNKNOWN | 25.59 | 4800 | J |
| 19. 207-08-9 | BENZO[K]FLUORANTHENE | 25.99 | 14000 | NJ |
| 20. 207-08-9 | BENZO[K]FLUORANTHENE | 26.28 | 32000 | NJ |
| 21. 207-08-9 | BENZO[K]FLUORANTHENE | 26.51 | 16000 | NJ |
| 22. | UNKNOWN | 26.74 | 5100 | J |
| 23. | UNKNOWN | 26.82 | 4900 | J |
| 24. | UNKNOWN | 27.23 | 6600 | J |
| 25. 215-58-7 | BENZO[B]TRIPHENYLENE | 28.21 | 7900 | NJ |
| 26. 53-70-3 | DIBENZ[A,H]ANTHRACENE | 28.67 | 4900 | NJ |
| 27. 53-70-3 | DIBENZ[A,H]ANTHRACENE | 28.74 | 7700 | NJ |
| 28. 191-24-2 | BENZO[GHI]PERYLENE | 29.22 | 7100 | NJ |
| 29. 192-65-4 | 1,2:4,5-DIBENZOPYRENE | 31.35 | 7400 | NJ |
| 30. 189-64-0 | 3,4:8,9-DIBENZOPYRENE | 31.51 | 5300 | NJ |

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S7DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S[illegible]

Matrix: (soil/water) SOIL Lab Sample ID: 652103DL

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652103D2A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/16/05

Injection Volume: 2.0(uL) Dilution Factor: 30.0

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 | 11000 | U |
| 108-95-2 | Phenol | 11000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 11000 | U |
| 95-57-8 | 2-Chlorophenol | 11000 | U |
| 95-48-7 | 2-Methylphenol | 11000 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 11000 | U |
| 98-86-2 | Acetophenone | 11000 | U |
| 106-44-5 | 4-Methylphenol | 11000 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 11000 | U |
| 67-72-1 | Hexachloroethane | 11000 | U |
| 98-95-3 | Nitrobenzene | 11000 | U |
| 78-59-1 | Isophorone | 11000 | U |
| 88-75-5 | 2-Nitrophenol | 11000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 11000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 11000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 11000 | U |
| 91-20-3 | Naphthalene | 13000 | D |
| 106-47-8 | 4-Chloroaniline | 11000 | U |
| 87-68-3 | Hexachlorobutadiene | 11000 | U |
| 105-60-2 | Caprolactam | 11000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 11000 | U |
| 91-57-6 | 2-Methylnaphthalene | 11000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 11000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 11000 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 29000 | U |
| 92-52-4 | 1,1'-Biphenyl | 11000 | U |
| 91-58-7 | 2-Chloronaphthalene | 11000 | U |
| 88-74-4 | 2-Nitroaniline | 29000 | U |
| 131-11-3 | Dimethylphthalate | 11000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 11000 | U |
| 208-96-8 | Acenaphthylene | 6100 | DJ |
| 99-09-2 | 3-Nitroaniline | 29000 | U |
| 83-32-9 | Acenaphthene | 4100 | DJ |

1D

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S7DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103DL

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652103D2A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/16/05

Injection Volume: 2.0(uL) Dilution Factor: 30.0

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 | 29000 | U |
| 100-02-7 | 4-Nitrophenol | 29000 | U |
| 132-64-9 | Dibenzofuran | 4000 | DJ |
| 121-14-2 | 2,4-Dinitrotoluene | 11000 | U |
| 84-66-2 | Diethylphthalate | 11000 | U |
| 86-73-7 | Fluorene | 6000 | DJ |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 11000 | U |
| 100-01-6 | 4-Nitroaniline | 29000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 29000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 11000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 11000 | U |
| 118-74-1 | Hexachlorobenzene | 11000 | U |
| 1912-24-9 | Atrazine | 11000 | U |
| 87-86-5 | Pentachlorophenol | 29000 | U |
| 85-01-8 | Phenanthrene | 45000 | D |
| 120-12-7 | Anthracene | 14000 | D |
| 86-74-8 | Carbazole | 4500 | DJ |
| 84-74-2 | Di-n-butylphthalate | 11000 | U |
| 206-44-0 | Fluoranthene | 81000 | D |
| 129-00-0 | Pyrene | 64000 | D |
| 85-68-7 | Butylbenzylphthalate | 11000 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 11000 | U |
| 56-55-3 | Benzo(a)anthracene | 46000 | D |
| 218-01-9 | Chrysene | 46000 | D |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 11000 | U |
| 117-84-0 | Di-n-octylphthalate | 11000 | U |
| 205-99-2 | Benzo(b)fluoranthene | 51000 | D |
| 207-08-9 | Benzo(k)fluoranthene | 45000 | D |
| 50-32-8 | Benzo(a)pyrene | 56000 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 47000 | D |
| 53-70-3 | Dibenzo(a,h)anthracene | 16000 | D |
| 191-24-2 | Benzo(g,h,i)perylene | 42000 | D |

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S7DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 652103D2A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/16/05

Injection Volume: 2.0(uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICs found: 30

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 20.83 | 9200 | JD |
| 2. | UNKNOWN | 21.95 | 4600 | JD |
| 3. 3442-78-2 | PYRENE, 2-METHYL- | 22.72 | 14000 | NJD |
| 4. | UNKNOWN | 22.82 | 9700 | JD |
| 5. | UNKNOWN | 22.88 | 4400 | JD |
| 6. 239-35-0 | BENZO[B]NAPHTHO[2,1-D]THIOPH | 23.70 | 5200 | NJD |
| 7. | UNKNOWN | 23.77 | 12000 | JD |
| 8. | UNKNOWN | 24.29 | 6900 | JD |
| 9. | UNKNOWN | 24.45 | 6300 | JD |
| 10. 34777-33-8 | BENZO(C)CARBAZOLE | 24.54 | 4700 | NJD |
| 11. 1705-84-6 | TRIPHENYLENE, 2-METHYL- | 24.76 | 8700 | NJD |
| 12. | UNKNOWN | 24.91 | 6100 | JD |
| 13. | UNKNOWN | 24.95 | 5600 | JD |
| 14. | UNKNOWN | 24.98 | 5500 | JD |
| 15. 207-08-9 | BENZO[K]FLUORANTHENE | 25.94 | 15000 | NJD |
| 16. | UNKNOWN | 26.10 | 9800 | JD |
| 17. 207-08-9 | BENZO[K]FLUORANTHENE | 26.23 | 39000 | NJD |
| 18. 198-55-0 | PERYLENE | 26.45 | 17000 | NJD |
| 19. | UNKNOWN | 26.51 | 4800 | JD |
| 20. | UNKNOWN | 26.70 | 5400 | JD |
| 21. | UNKNOWN | 26.78 | 5400 | JD |
| 22. | UNKNOWN | 27.19 | 4300 | JD |
| 23. | UNKNOWN | 28.17 | 8500 | JD |
| 24. | UNKNOWN | 28.61 | 5300 | JD |
| 25. | UNKNOWN | 28.69 | 6800 | JD |
| 26. | UNKNOWN | 29.14 | 7800 | JD |
| 27. | UNKNOWN | 31.28 | 7700 | JD |
| 28. | UNKNOWN | 31.44 | 5600 | JD |
| 29. | UNKNOWN | 31.53 | 4400 | JD |
| 30. | UNKNOWN | 32.28 | 3400 | JD |

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104

Sample wt/vol: 1.0(g/mL) G Lab File ID: 652104DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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 | 67000 | U |
| 108-95-2 | Phenol | 67000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 67000 | U |
| 95-57-8 | 2-Chlorophenol | 67000 | U |
| 95-48-7 | 2-Methylphenol | 67000 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 67000 | U |
| 98-86-2 | Acetophenone | 67000 | U |
| 106-44-5 | 4-Methylphenol | 67000 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 67000 | U |
| 67-72-1 | Hexachloroethane | 67000 | U |
| 98-95-3 | Nitrobenzene | 67000 | U |
| 78-59-1 | Isophorone | 67000 | U |
| 88-75-5 | 2-Nitrophenol | 67000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 67000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 67000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 67000 | U |
| 91-20-3 | Naphthalene | 150000 | |
| 106-47-8 | 4-Chloroaniline | 67000 | U |
| 87-68-3 | Hexachlorobutadiene | 67000 | U |
| 105-60-2 | Caprolactam | 67000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 67000 | U |
| 91-57-6 | 2-Methylnaphthalene | 25000 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 67000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 67000 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 170000 | U |
| 92-52-4 | 1,1'-Biphenyl | 67000 | U |
| 91-58-7 | 2-Chloronaphthalene | 67000 | U |
| 88-74-4 | 2-Nitroaniline | 170000 | U |
| 131-11-3 | Dimethylphthalate | 67000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 67000 | U |
| 208-96-8 | Acenaphthylene | 130000 | |
| 99-09-2 | 3-Nitroaniline | 170000 | U |
| 83-32-9 | Acenaphthene | 99000 | |

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104

Sample wt/vol: 1.0(g/mL) G Lab File ID: 652104DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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 | 170000 | U |
| 100-02-7 | 4-Nitrophenol | 170000 | U |
| 132-64-9 | Dibenzofuran | 100000 | |
| 121-14-2 | 2,4-Dinitrotoluene | 67000 | U |
| 84-66-2 | Diethylphthalate | 67000 | U |
| 86-73-7 | Fluorene | 160000 | |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 67000 | U |
| 100-01-6 | 4-Nitroaniline | 170000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 170000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 67000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 67000 | U |
| 118-74-1 | Hexachlorobenzene | 67000 | U |
| 1912-24-9 | Atrazine | 67000 | U |
| 87-86-5 | Pentachlorophenol | 170000 | U |
| 85-01-8 | Phenanthrene | 830000 | E |
| 120-12-7 | Anthracene | 420000 | |
| 86-74-8 | Carbazole | 110000 | |
| 84-74-2 | Di-n-butylphthalate | 67000 | U |
| 206-44-0 | Fluoranthene | 1700000 | E |
| 129-00-0 | Pyrene | 1300000 | E |
| 85-68-7 | Butylbenzylphthalate | 67000 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 67000 | U |
| 56-55-3 | Benzo(a)anthracene | 690000 | E |
| 218-01-9 | Chrysene | 690000 | E |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 67000 | U |
| 117-84-0 | Di-n-octylphthalate | 67000 | U |
| 205-99-2 | Benzo(b)fluoranthene | 860000 | E |
| 207-08-9 | Benzo(k)fluoranthene | 440000 | |
| 50-32-8 | Benzo(a)pyrene | 910000 | E |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 610000 | E |
| 53-70-3 | Dibenzo(a,h)anthracene | 160000 | |
| 191-24-2 | Benzo(g,h,i)perylene | 400000 | |

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 652104DA66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

Number TICs found: 30

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 203-64-5 | 4H-CYCLOPENTA[DEF]PHENANTHRE | 20.09 | 300000 | NJ |
| 2. 206-44-0 | FLUORANTHENE | 21.03 | 170000 | NJ |
| 3. | UNKNOWN | 21.11 | 110000 | J |
| 4. 33543-31-6 | FLUORANTHENE, 2-METHYL- | 21.52 | 130000 | NJ |
| 5. 238-84-6 | 11H-BENZO[A]FLUORENE | 21.67 | 370000 | NJ |
| 6. 243-17-4 | 11H-BENZO[B]FLUORENE | 21.75 | 270000 | NJ |
| 7. 3442-78-2 | PYRENE, 2-METHYL- | 21.80 | 200000 | NJ |
| 8. 243-46-9 | BENZO[B]NAPHTHO[2,3-D]THIOPH | 22.52 | 120000 | NJ |
| 9. | UNKNOWN | 22.57 | 130000 | J |
| 10. | UNKNOWN | 22.60 | 260000 | J |
| 11. | UNKNOWN | 23.11 | 110000 | J |
| 12. 2381-31-9 | BENZ[A]ANTHRACENE, 8-METHYL- | 23.62 | 89000 | NJ |
| 13. | UNKNOWN | 23.82 | 90000 | J |
| 14. | UNKNOWN | 23.89 | 75000 | J |
| 15. | UNKNOWN | 23.93 | 81000 | J |
| 16. 207-08-9 | BENZO[K]FLUORANTHENE | 25.34 | 170000 | NJ |
| 17. 207-93-2 | DINAPHTHO[1,2-B:1',2'-D]FURA | 25.57 | 65000 | NJ |
| 18. 207-08-9 | BENZO[K]FLUORANTHENE | 25.80 | 440000 | NJ |
| 19. 207-08-9 | BENZO[K]FLUORANTHENE | 26.18 | 230000 | NJ |
| 20. 239-85-0 | 13H-DIBENZO[A,H]FLUORENE | 26.57 | 75000 | NJ |
| 21. | UNKNOWN | 26.73 | 83000 | J |
| 22. | UNKNOWN | 27.47 | 93000 | J |
| 23. | UNKNOWN | 28.98 | 100000 | J |
| 24. 193-39-5 | INDENO[1,2,3-CD]PYRENE | 29.01 | 76000 | NJ |
| 25. 213-46-7 | 1,2:7,8-DIBENZOPHENANTHRENE | 29.57 | 130000 | NJ |
| 26. 213-46-7 | 1,2:7,8-DIBENZOPHENANTHRENE | 29.67 | 180000 | NJ |
| 27. 31965-37-4 | 1H-1,4-BENZODIAZEPINE-2,5-DI | 30.03 | 72000 | NJ |
| 28. | UNKNOWN | 30.13 | 71000 | J |
| 29. 191-24-2 | BENZO[GHI]PERYLENE | 30.24 | 220000 | NJ |
| 30. | UNKNOWN | 32.60 | 69000 | J |

FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S8DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104DL

Sample wt/vol: 1.0(g/mL) G Lab File ID: 652104D2A66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 25.0

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 | 330000 | U |
| 108-95-2 | Phenol | 330000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 330000 | U |
| 95-57-8 | 2-Chlorophenol | 330000 | U |
| 95-48-7 | 2-Methylphenol | 330000 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 330000 | U |
| 98-86-2 | Acetophenone | 330000 | U |
| 106-44-5 | 4-Methylphenol | 330000 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 330000 | U |
| 67-72-1 | Hexachloroethane | 330000 | U |
| 98-95-3 | Nitrobenzene | 330000 | U |
| 78-59-1 | Isophorone | 330000 | U |
| 88-75-5 | 2-Nitrophenol | 330000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 330000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 330000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 330000 | U |
| 91-20-3 | Naphthalene | 210000 | DJ |
| 106-47-8 | 4-Chloroaniline | 330000 | U |
| 87-68-3 | Hexachlorobutadiene | 330000 | U |
| 105-60-2 | Caprolactam | 330000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 330000 | U |
| 91-57-6 | 2-Methylnaphthalene | 330000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 330000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 330000 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 830000 | U |
| 92-52-4 | 1,1'-Biphenyl | 330000 | U |
| 91-58-7 | 2-Chloronaphthalene | 330000 | U |
| 88-74-4 | 2-Nitroaniline | 830000 | U |
| 131-11-3 | Dimethylphthalate | 330000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 330000 | U |
| 208-96-8 | Acenaphthylene | 170000 | DJ |
| 99-09-2 | 3-Nitroaniline | 830000 | U |
| 83-32-9 | Acenaphthene | 140000 | DJ |

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S8DL

Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104DL

Sample wt/vol: 1.0(g/mL) G Lab File ID: 652104D2A66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 25.0

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 | 830000 | U |
| 100-02-7 | 4-Nitrophenol | 830000 | U |
| 132-64-9 | Dibenzofuran | 140000 | DJ |
| 121-14-2 | 2,4-Dinitrotoluene | 330000 | U |
| 84-66-2 | Diethylphthalate | 330000 | U |
| 86-73-7 | Fluorene | 220000 | DJ |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 330000 | U |
| 100-01-6 | 4-Nitroaniline | 830000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 830000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 330000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 330000 | U |
| 118-74-1 | Hexachlorobenzene | 330000 | U |
| 1912-24-9 | Atrazine | 330000 | U |
| 87-86-5 | Pentachlorophenol | 830000 | U |
| 85-01-8 | Phenanthrene | 1100000 | D |
| 120-12-7 | Anthracene | 560000 | D |
| 86-74-8 | Carbazole | 140000 | DJ |
| 84-74-2 | Di-n-butylphthalate | 330000 | U |
| 206-44-0 | Fluoranthene | 2200000 | D |
| 129-00-0 | Pyrene | 1700000 | D |
| 85-68-7 | Butylbenzylphthalate | 330000 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 330000 | U |
| 56-55-3 | Benzo(a)anthracene | 960000 | D |
| 218-01-9 | Chrysene | 960000 | D |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 330000 | U |
| 117-84-0 | Di-n-octylphthalate | 330000 | U |
| 205-99-2 | Benzo(b)fluoranthene | 910000 | D |
| 207-08-9 | Benzo(k)fluoranthene | 850000 | D |
| 50-32-8 | Benzo(a)pyrene | 1300000 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 850000 | D |
| 53-70-3 | Dibenzo(a,h)anthracene | 230000 | DJ |
| 191-24-2 | Benzo(g,h,i)perylene | 550000 | D |

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S8DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 652104D2A66

Level: (low/med) MED Date Received: 05/06/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 25.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

Number TICs found: 30

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 20.09 | 380000 | JD |
| 2. | UNKNOWN | 21.02 | 170000 | JD |
| 3. 2381-21-7 | PYRENE, 1-METHYL- | 21.51 | 110000 | NJD |
| 4. 2381-21-7 | PYRENE, 1-METHYL- | 21.66 | 260000 | NJD |
| 5. | UNKNOWN | 21.74 | 220000 | JD |
| 6. | UNKNOWN | 21.79 | 180000 | JD |
| 7. 239-35-0 | BENZO[B]NAPHTHO[2,1-D]THIOPH | 22.51 | 120000 | NJD |
| 8. | UNKNOWN | 22.56 | 130000 | JD |
| 9. | UNKNOWN | 22.58 | 210000 | JD |
| 10. | UNKNOWN | 23.08 | 170000 | JD |
| 11. 1705-84-6 | TRIPHENYLENE, 2-METHYL- | 23.61 | 160000 | NJD |
| 12. | UNKNOWN | 23.80 | 150000 | JD |
| 13. | UNKNOWN | 23.90 | 150000 | JD |
| 14. 207-08-9 | BENZO[K]FLUORANTHENE | 25.30 | 300000 | NJD |
| 15. 207-93-2 | DINAPHTHO[1,2-B:1',2'-D]FURA | 25.54 | 130000 | NJD |
| 16. 207-08-9 | BENZO[K]FLUORANTHENE | 25.74 | 770000 | NJD |
| 17. 198-55-0 | PERYLENE | 26.11 | 370000 | NJD |
| 18. | UNKNOWN | 26.52 | 130000 | JD |
| 19. | UNKNOWN | 26.67 | 160000 | JD |
| 20. | UNKNOWN | 27.42 | 160000 | JD |
| 21. | UNKNOWN | 28.93 | 260000 | JD |
| 22. 215-58-7 | BENZO[B]TRIPHENYLENE | 29.34 | 120000 | NJD |
| 23. 53-70-3 | DIBENZ[A,H]ANTHRACENE | 29.51 | 230000 | NJD |
| 24. 215-58-7 | BENZO[B]TRIPHENYLENE | 29.61 | 330000 | NJD |
| 25. 191-24-2 | BENZO[GHI]PERYLENE | 30.17 | 340000 | NJD |
| 26. | UNKNOWN | 31.21 | 170000 | JD |
| 27. | UNKNOWN | 32.06 | 130000 | JD |
| 28. | UNKNOWN | 32.47 | 200000 | JD |
| 29. | UNKNOWN | 32.71 | 310000 | JD |
| 30. 191-30-0 | 1,2:3,4-DIBENZOPYRENE | 32.84 | 430000 | NJD |

FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S9

Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652105JA64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/24/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.8 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 | 430 | J |
| 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 | 800 | |
| 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
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652105JA64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/24/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.8 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 | 160 | J |
| 121-14-2 | 2,4-Dinitrotoluene | 460 | U |
| 84-66-2 | Diethylphthalate | 460 | U |
| 86-73-7 | Fluorene | 110 | J |
| 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 | 610 | |
| 120-12-7 | Anthracene | 460 | U |
| 86-74-8 | Carbazole | 460 | U |
| 84-74-2 | Di-n-butylphthalate | 460 | U |
| 206-44-0 | Fluoranthene | 160 | J |
| 129-00-0 | Pyrene | 270 | J |
| 85-68-7 | Butylbenzylphthalate | 460 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 460 | U |
| 56-55-3 | Benzo(a)anthracene | 150 | J |
| 218-01-9 | Chrysene | 370 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1500 | |
| 117-84-0 | Di-n-octylphthalate | 310 | J |
| 205-99-2 | Benzo(b)fluoranthene | 170 | J |
| 207-08-9 | Benzo(k)fluoranthene | 460 | U |
| 50-32-8 | Benzo(a)pyrene | 130 | J |
| 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
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 652105JA64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 28 Decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/24/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.8 Extraction: (Type) SONC

Number TICs found: 30

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 5.80 | 790 | ~~JB~~ U |
| 2. | UNKNOWN | 13.03 | 740 | J |
| 3. 90-12-0 | NAPHTHALENE, 1-METHYL- | 15.14 | 660 | NJ |
| 4. | UNKNOWN | 16.01 | 590 | J |
| 5. 582-16-1 | NAPHTHALENE, 2,7-DIMETHYL- | 16.38 | 530 | NJ |
| 6. 582-16-1 | NAPHTHALENE, 2,7-DIMETHYL- | 16.56 | 1600 | NJ |
| 7. 582-16-1 | NAPHTHALENE, 2,7-DIMETHYL- | 16.59 | 670 | NJ |
| 8. 571-61-9 | NAPHTHALENE, 1,5-DIMETHYL- | 16.78 | 720 | NJ |
| 9. | UNKNOWN | 16.81 | 390 | J |
| 10. | UNKNOWN | 16.95 | 1300 | J |
| 11. 2131-42-2 | NAPHTHALENE, 1,4,6-TRIMETHYL | 17.66 | 440 | NJ |
| 12. 2245-38-7 | NAPHTHALENE, 1,6,7-TRIMETHYL | 17.70 | 480 | NJ |
| 13. | UNKNOWN | 17.82 | 430 | J |
| 14. 2131-42-2 | NAPHTHALENE, 1,4,6-TRIMETHYL | 17.85 | 760 | NJ |
| 15. 829-26-5 | NAPHTHALENE, 2,3,6-TRIMETHYL | 17.88 | 520 | NJ |
| 16. | UNKNOWN | 17.90 | 440 | J |
| 17. 2131-42-2 | NAPHTHALENE, 1,4,6-TRIMETHYL | 18.01 | 720 | NJ |
| 18. | UNKNOWN | 18.30 | 510 | J |
| 19. | UNKNOWN | 18.51 | 160 | J |
| 20. | UNKNOWN | 18.73 | 180 | J |
| 21. | UNKNOWN | 19.43 | 220 | J |
| 22. | UNKNOWN | 19.47 | 200 | J |
| 23. | UNKNOWN | 19.59 | 190 | J |
| 24. 610-48-0 | ANTHRACENE, 1-METHYL- | 20.64 | 170 | NJ |
| 25. 610-48-0 | ANTHRACENE, 1-METHYL- | 20.68 | 220 | NJ |
| 26. 779-02-2 | ANTHRACENE, 9-METHYL- | 20.81 | 190 | NJ |
| 27. 610-48-0 | ANTHRACENE, 1-METHYL- | 20.85 | 180 | NJ |
| 28. 781-43-1 | 9,10-DIMETHYLANTHRACENE | 21.57 | 230 | NJ |
| 29. | UNKNOWN | 21.61 | 190 | J |
| 30. 243-17-4 | 11H-BENZO[B]FLUORENE | 22.70 | 490 | NJ |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00T0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652106

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652106D2A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/16/05

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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 | 3800 | U |
| 108-95-2 | Phenol | 3800 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 3800 | U |
| 95-57-8 | 2-Chlorophenol | 3800 | U |
| 95-48-7 | 2-Methylphenol | 3800 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 3800 | U |
| 98-86-2 | Acetophenone | 3800 | U |
| 106-44-5 | 4-Methylphenol | 3800 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 3800 | U |
| 67-72-1 | Hexachloroethane | 3800 | U |
| 98-95-3 | Nitrobenzene | 3800 | U |
| 78-59-1 | Isophorone | 3800 | U |
| 88-75-5 | 2-Nitrophenol | 3800 | U |
| 105-67-9 | 2,4-Dimethylphenol | 3800 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 3800 | U |
| 120-83-2 | 2,4-Dichlorophenol | 3800 | U |
| 91-20-3 | Naphthalene | 1900 | J |
| 106-47-8 | 4-Chloroaniline | 3800 | U |
| 87-68-3 | Hexachlorobutadiene | 3800 | U |
| 105-60-2 | Caprolactam | 3800 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 3800 | U |
| 91-57-6 | 2-Methylnaphthalene | 880 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 3800 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 3800 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 9400 | U |
| 92-52-4 | 1,1'-Biphenyl | 3800 | U |
| 91-58-7 | 2-Chloronaphthalene | 3800 | U |
| 88-74-4 | 2-Nitroaniline | 9400 | U |
| 131-11-3 | Dimethylphthalate | 3800 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 3800 | U |
| 208-96-8 | Acenaphthylene | 3800 | U |
| 99-09-2 | 3-Nitroaniline | 9400 | U |
| 83-32-9 | Acenaphthene | 2200 | J |

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00T0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652106

Sample wt/vol: 30.0(g/mL) G Lab File ID: 652106D2A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/16/05

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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 | 9400 | U |
| 100-02-7 | 4-Nitrophenol | 9400 | U |
| 132-64-9 | Dibenzofuran | 1100 | J |
| 121-14-2 | 2,4-Dinitrotoluene | 3800 | U |
| 84-66-2 | Diethylphthalate | 3800 | U |
| 86-73-7 | Fluorene | 1500 | J |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 3800 | U |
| 100-01-6 | 4-Nitroaniline | 9400 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 9400 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 3800 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 3800 | U |
| 118-74-1 | Hexachlorobenzene | 3800 | U |
| 1912-24-9 | Atrazine | 3800 | U |
| 87-86-5 | Pentachlorophenol | 9400 | U |
| 85-01-8 | Phenanthrene | 13000 | |
| 120-12-7 | Anthracene | 3500 | J |
| 86-74-8 | Carbazole | 1400 | J |
| 84-74-2 | Di-n-butylphthalate | 3800 | U |
| 206-44-0 | Fluoranthene | 14000 | |
| 129-00-0 | Pyrene | 12000 | |
| 85-68-7 | Butylbenzylphthalate | 3800 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 3800 | U |
| 56-55-3 | Benzo(a)anthracene | 8900 | |
| 218-01-9 | Chrysene | 9400 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 3800 | U |
| 117-84-0 | Di-n-octylphthalate | 3800 | U |
| 205-99-2 | Benzo(b)fluoranthene | 9800 | |
| 207-08-9 | Benzo(k)fluoranthene | 8200 | |
| 50-32-8 | Benzo(a)pyrene | 9900 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 8400 | |
| 53-70-3 | Dibenzo(a,h)anthracene | 2700 | J |
| 191-24-2 | Benzo(g,h,i)perylene | 6200 | |

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00T0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652106

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 652106D2A64

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/16/05

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

Number TICs found: 30

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 20.65 | 960 | J |
| 2. | UNKNOWN | 20.69 | 1300 | J |
| 3. | UNKNOWN | 20.83 | 2100 | J |
| 4. 243-42-5 | BENZO[B]NAPHTHO[2,3-D]FURAN | 22.36 | 1300 | NJ |
| 5. 2381-21-7 | PYRENE, 1-METHYL- | 22.54 | 1100 | NJ |
| 6. 243-17-4 | 11H-BENZO[B]FLUORENE | 22.72 | 3000 | NJ |
| 7. | UNKNOWN | 22.82 | 1400 | J |
| 8. | UNKNOWN | 22.87 | 1200 | J |
| 9. 82-05-3 | 7H-BENZ[DE]ANTHRACEN-7-ONE | 23.56 | 1500 | NJ |
| 10. 239-35-0 | BENZO[B]NAPHTHO[2,1-D]THIOPH | 23.71 | 1100 | NJ |
| 11. | UNKNOWN | 23.77 | 2200 | J |
| 12. | UNKNOWN | 24.28 | 1600 | J |
| 13. 82-05-3 | 7H-BENZ[DE]ANTHRACEN-7-ONE | 24.36 | 920 | NJ |
| 14. | UNKNOWN | 24.45 | 1200 | J |
| 15. | UNKNOWN | 24.54 | 1100 | J |
| 16. 3697-24-3 | CHRYSENE, 5-METHYL- | 24.76 | 2400 | NJ |
| 17. | UNKNOWN | 24.91 | 1200 | J |
| 18. | UNKNOWN | 24.98 | 1500 | J |
| 19. | UNKNOWN | 25.54 | 1400 | J |
| 20. 50-32-8 | BENZO[A]PYRENE | 25.94 | 2800 | NJ |
| 21. | UNKNOWN | 26.10 | 2000 | J |
| 22. 198-55-0 | PERYLENE | 26.22 | 8200 | NJ |
| 23. 192-97-2 | BENZO[E]PYRENE | 26.45 | 2900 | NJ |
| 24. | UNKNOWN | 26.51 | 1500 | J |
| 25. | UNKNOWN | 26.69 | 920 | J |
| 26. | UNKNOWN | 26.76 | 1300 | J |
| 27. | UNKNOWN | 28.16 | 1600 | J |
| 28. | UNKNOWN | 28.68 | 1200 | J |
| 29. | UNKNOWN | 31.27 | 1400 | J |
| 30. | UNKNOWN | 31.43 | 900 | J |

FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKIN

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68252

Sample wt/vol: 30.0(g/mL) G Lab File ID: 68252A64

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKIN

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68252

Sample wt/vol: 30.0(g/mL) G Lab File ID: 68252A64

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKIN

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68252

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 68252A64

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/07/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ 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 | 5.82 | 790 | J |
| 2. | UNKNOWN | 7.25 | 150 | J |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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| 30. | | | | |

FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKM

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 69046

Sample wt/vol: 1.0(g/mL) G Lab File ID: 69046A66

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10000 | U |
| 108-95-2 | Phenol | 10000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10000 | U |
| 95-57-8 | 2-Chlorophenol | 10000 | U |
| 95-48-7 | 2-Methylphenol | 10000 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10000 | U |
| 98-86-2 | Acetophenone | 10000 | U |
| 106-44-5 | 4-Methylphenol | 10000 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10000 | U |
| 67-72-1 | Hexachloroethane | 10000 | U |
| 98-95-3 | Nitrobenzene | 10000 | U |
| 78-59-1 | Isophorone | 10000 | U |
| 88-75-5 | 2-Nitrophenol | 10000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10000 | U |
| 91-20-3 | Naphthalene | 10000 | U |
| 106-47-8 | 4-Chloroaniline | 10000 | U |
| 87-68-3 | Hexachlorobutadiene | 10000 | U |
| 105-60-2 | Caprolactam | 10000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10000 | U |
| 91-57-6 | 2-Methylnaphthalene | 10000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10000 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 25000 | U |
| 92-52-4 | 1,1'-Biphenyl | 10000 | U |
| 91-58-7 | 2-Chloronaphthalene | 10000 | U |
| 88-74-4 | 2-Nitroaniline | 25000 | U |
| 131-11-3 | Dimethylphthalate | 10000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10000 | U |
| 208-96-8 | Acenaphthylene | 10000 | U |
| 99-09-2 | 3-Nitroaniline | 25000 | U |
| 83-32-9 | Acenaphthene | 10000 | U |

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKM

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 69046

Sample wt/vol: 1.0(g/mL) G Lab File ID: 69046A66

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 25000 | U |
| 100-02-7 | 4-Nitrophenol | 25000 | U |
| 132-64-9 | Dibenzofuran | 10000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10000 | U |
| 84-66-2 | Diethylphthalate | 10000 | U |
| 86-73-7 | Fluorene | 10000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10000 | U |
| 100-01-6 | 4-Nitroaniline | 25000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 25000 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 10000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10000 | U |
| 118-74-1 | Hexachlorobenzene | 10000 | U |
| 1912-24-9 | Atrazine | 10000 | U |
| 87-86-5 | Pentachlorophenol | 25000 | U |
| 85-01-8 | Phenanthrene | 10000 | U |
| 120-12-7 | Anthracene | 10000 | U |
| 86-74-8 | Carbazole | 10000 | U |
| 84-74-2 | Di-n-butylphthalate | 10000 | U |
| 206-44-0 | Fluoranthene | 10000 | U |
| 129-00-0 | Pyrene | 10000 | U |
| 85-68-7 | Butylbenzylphthalate | 10000 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10000 | U |
| 56-55-3 | Benzo(a)anthracene | 10000 | U |
| 218-01-9 | Chrysene | 10000 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10000 | U |
| 117-84-0 | Di-n-octylphthalate | 10000 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10000 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10000 | U |
| 50-32-8 | Benzo(a)pyrene | 10000 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10000 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10000 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10000 | U |

(1) - Cannot be separated from Diphenylamine

1G

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKKM

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 69046

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 69046A66

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/16/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/19/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ 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 | 8.34 | 4900 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC OLM04.2

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

GC Column(1): CLPEST ID: 0.53(mm) GC Column(2): CLPEST2 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 | PBLKIM | 92 | 85 | 92 | 92 | | | 0 |
| 02 | E00S5MS | 73 | 77 | 132 | 91 | | | 0 |
| 03 | E00S5MSD | 68 | 68 | 68 | 64 | | | 0 |
| 04 | E00S5 | 91 | 91 | 141 | 109 | | | 0 |
| 05 | E00S6 | 38 | 144 | 9375* | 4375* | | | 2 |
| 06 | E00S6DL | 625D | 575D | 9375D | 22500D | | | 0 |
| 07 | E00S7 | 113 | 173* | 7333* | 2800* | | | 3 |
| 08 | E00S7DL | 660D | 867D | 5400D | 16667D | | | 0 |
| 09 | E00S9 | 84 | 79 | 63 | 111 | | | 0 |
| 10 | E00T0 | 160* | 380* | 5000* | 2067* | | | 4 |
| 11 | E00T0DL | 933D | 1067D | 2800D | 3533D | | | 0 |
| 12 | E00S8 | 489D | 1000D | 26667D | 11667D | | | 0 |
| 13 | E00S8DL | 1000D | 3278D | 20000D | 21111D | | | 0 |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |
| 25 | | | | | | | | |
| 26 | | | | | | | | |
| 27 | | | | | | | | |
| 28 | | | | | | | | |
| 29 | | | | | | | | |
| 30 | | | | | | | | |

| | | QC LIMITS |
|---|---|---|
| TCX | = Tetrachloro-m-xylene | (30-150) |
| DCB | = Decachlorobiphenyl | (30-150) |

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

3F

# SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix Spike - EPA Sample No.: E00S5

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 27 | 0.0 | 13 | 48 | 46-127 |
| Heptachlor | 27 | 0.0 | 14 | 52 | 35-130 |
| Aldrin | 27 | 0.0 | 13 | 48 | 34-132 |
| Dieldrin | 54 | 0.0 | 30 | 56 | 31-134 |
| Endrin | 54 | 3.9 | 35 | 58 | 42-139 |
| 4,4'-DDT | 54 | 8.3 | 37 | 53 | 23-134 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 27 | 14 | 52 | 8 | 50 | 46-127 |
| Heptachlor | 27 | 16 | 59 | 13 | 31 | 35-130 |
| Aldrin | 27 | 15 | 56 | 15 | 43 | 34-132 |
| Dieldrin | 54 | 33 | 61 | 9 | 38 | 31-134 |
| Endrin | 54 | 39 | 65 | 11 | 45 | 42-139 |
| 4,4'-DDT | 54 | 39 | 57 | 7 | 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: _____

4C

# PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKIM

Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166

SAS No.:

SDG No.: E00S5

Lab Sample ID: 68247

Lab File ID: _____

Matrix (soil/water) SOIL

Extraction: (Type) SONC

Sulfur Cleanup (Y/N) N

Date Extracted: 05/07/05

Date Analyzed (1): 05/11/05

Date Analyzed (2): 05/11/05

Time Analyzed (1): 0447

Time Analyzed (2): 0447

Instrument ID (1): TRACEGC80

Instrument ID (2): TRACEGC81

GC Column (1): CLPEST ID: 0.53 (mm)

GC Column (2): CLPEST2 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 | E00S5MS | 68250 | 05/11/05 | 05/11/05 |
| 02 | E00S5MSD | 68251 | 05/11/05 | 05/11/05 |
| 03 | E00S5 | 652101 | 05/11/05 | 05/11/05 |
| 04 | E00S6 | 652102 | 05/11/05 | 05/11/05 |
| 05 | E00S6DL | 652102DL | 05/11/05 | 05/11/05 |
| 06 | E00S7 | 652103 | 05/11/05 | 05/11/05 |
| 07 | E00S7DL | 652103DL | 05/11/05 | 05/11/05 |
| 08 | E00S9 | 652105 | 05/11/05 | 05/11/05 |
| 09 | E00T0 | 652106 | 05/11/05 | 05/11/05 |
| 10 | E00T0DL | 652106DL | 05/11/05 | 05/11/05 |
| 11 | E00S8 | 652104 | 05/12/05 | 05/12/05 |
| 12 | E00S8DL | 652104DL | 05/12/05 | 05/12/05 |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| 26 | | | | |

COMMENTS: _____

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652101

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

% Moisture: 38 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.7 | U |
| 319-85-7 | beta-BHC | 2.7 | U |
| 319-86-8 | delta-BHC | 2.7 | U |
| 58-89-9 | gamma-BHC (Lindane) | 2.7 | U |
| 76-44-8 | Heptachlor | 2.7 | U |
| 309-00-2 | Aldrin | 2.7 | U |
| 1024-57-3 | Heptachlor epoxide | 2.7 | U |
| 959-98-8 | Endosulfan I | 2.7 | U |
| 60-57-1 | Dieldrin | 5.3 | U |
| 72-55-9 | 4,4'-DDE | 12 | PT |
| 72-20-8 | Endrin | 3.9 | JP |
| 33213-65-9 | Endosulfan II | 5.3 | U |
| 72-54-8 | 4,4'-DDD | 16 | |
| 1031-07-8 | Endosulfan sulfate | 5.3 | U |
| 50-29-3 | 4,4'-DDT | 8.3 | |
| 72-43-5 | Methoxychlor | 10 | JP |
| 53494-70-5 | Endrin ketone | 5.3 | U |
| 7421-93-4 | Endrin aldehyde | 5.3 | U |
| 5103-71-9 | alpha-Chlordane | 2.7 | U |
| 5103-74-2 | gamma-Chlordane | 1.8 | JP |
| 8001-35-2 | Toxaphene | 270 | U |
| 12674-11-2 | Aroclor-1016 | 53 | U |
| 11104-28-2 | Aroclor-1221 | 110 | U |
| 11141-16-5 | Aroclor-1232 | 53 | U |
| 53469-21-9 | Aroclor-1242 | 53 | U |
| 12672-29-6 | Aroclor-1248 | 53 | U |
| 11097-69-1 | Aroclor-1254 | 53 | U |
| 11096-82-5 | Aroclor-1260 | 53 | U |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68250

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

% Moisture: 38 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Sulfur Cleanup: (Y/N) N

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

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.7 | U |
| 319-85-7 | beta-BHC | 2.7 | U |
| 319-86-8 | delta-BHC | 2.7 | U |
| 58-89-9 | gamma-BHC (Lindane) | 13 | P |
| 76-44-8 | Heptachlor | 14 | P |
| 309-00-2 | Aldrin | 13 | P |
| 1024-57-3 | Heptachlor epoxide | 2.7 | U |
| 959-98-8 | Endosulfan I | 2.7 | U |
| 60-57-1 | Dieldrin | 30 | |
| 72-55-9 | 4,4'-DDE | 13 | |
| 72-20-8 | Endrin | 35 | P |
| 33213-65-9 | Endosulfan II | 5.3 | U |
| 72-54-8 | 4,4'-DDD | 19 | |
| 1031-07-8 | Endosulfan sulfate | 5.3 | U |
| 50-29-3 | 4,4'-DDT | 37 | |
| 72-43-5 | Methoxychlor | 27 | U |
| 53494-70-5 | Endrin ketone | 5.3 | U |
| 7421-93-4 | Endrin aldehyde | 5.3 | U |
| 5103-71-9 | alpha-Chlordane | 2.7 | U |
| 5103-74-2 | gamma-Chlordane | 0.64 | ~~JP~~ |
| 8001-35-2 | Toxaphene | 270 | U |
| 12674-11-2 | Aroclor-1016 | 53 | U |
| 11104-28-2 | Aroclor-1221 | 110 | U |
| 11141-16-5 | Aroclor-1232 | 53 | U |
| 53469-21-9 | Aroclor-1242 | 53 | U |
| 12672-29-6 | Aroclor-1248 | 53 | U |
| 11097-69-1 | Aroclor-1254 | 53 | U |
| 11096-82-5 | Aroclor-1260 | 53 | U |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S5MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68251

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

% Moisture: 38 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Sulfur Cleanup: (Y/N) N

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

| CAS NO. | COMPOUND | UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.7 | U |
| 319-85-7 | beta-BHC | 2.7 | U |
| 319-86-8 | delta-BHC | 2.7 | U |
| 58-89-9 | gamma-BHC (Lindane) | 14 | PT |
| 76-44-8 | Heptachlor | 16 | |
| 309-00-2 | Aldrin | 15 | |
| 1024-57-3 | Heptachlor epoxide | 2.7 | U |
| 959-98-8 | Endosulfan I | 2.7 | U |
| 60-57-1 | Dieldrin | 33 | |
| 72-55-9 | 4,4'-DDE | 4.4 | J |
| 72-20-8 | Endrin | 39 | |
| 33213-65-9 | Endosulfan II | 5.3 | U |
| 72-54-8 | 4,4'-DDD | 5.3 | ~~J~~ KA |
| 1031-07-8 | Endosulfan sulfate | 5.3 | U 5/23/05 |
| 50-29-3 | 4,4'-DDT | 39 | |
| 72-43-5 | Methoxychlor | ~~6.3~~ | ~~JP~~ KA |
| 53494-70-5 | Endrin ketone | 2.0 | J |
| 7421-93-4 | Endrin aldehyde | 5.3 | U |
| 5103-71-9 | alpha-Chlordane | 2.7 | U |
| 5103-74-2 | gamma-Chlordane | 0.84 | JP |
| 8001-35-2 | Toxaphene | 270 | U |
| 12674-11-2 | Aroclor-1016 | 53 | U |
| 11104-28-2 | Aroclor-1221 | 110 | U |
| 11141-16-5 | Aroclor-1232 | 53 | U |
| 53469-21-9 | Aroclor-1242 | 53 | U |
| 12672-29-6 | Aroclor-1248 | 53 | U |
| 11097-69-1 | Aroclor-1254 | 53 | U |
| 11096-82-5 | Aroclor-1260 | 53 | U |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652102

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

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 | 2.0 | 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 | 7.6 | PJ |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 3.9 | ~~J~~PJ |
| 72-55-9 | 4,4'-DDE | 3.9 | U 5/23/05 |
| 72-20-8 | Endrin | 18 | PJ |
| 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 | 1.2 | JP |
| 72-43-5 | Methoxychlor | 20 | U |
| 53494-70-5 | Endrin ketone | 140 | EPJ |
| 7421-93-4 | Endrin aldehyde | 9.8 | PJ |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 73 | EPJ |
| 8001-35-2 | Toxaphene | 200 | U |
| 12674-11-2 | Aroclor-1016 | 39 | U |
| 11104-28-2 | Aroclor-1221 | 80 | 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S6DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652102DL

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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 | 20 | U |
| 319-85-7 | beta-BHC | 20 | U |
| 319-86-8 | delta-BHC | 20 | U |
| 58-89-9 | gamma-BHC (Lindane) | 20 | U |
| 76-44-8 | Heptachlor | 20 | U |
| 309-00-2 | Aldrin | 20 | U |
| 1024-57-3 | Heptachlor epoxide | 6.4 | DJP |
| 959-98-8 | Endosulfan I | 20 | U |
| 60-57-1 | Dieldrin | 39 | U |
| 72-55-9 | 4,4'-DDE | 15 | DJP |
| 72-20-8 | Endrin | 33 | DJP |
| 33213-65-9 | Endosulfan II | 39 | U |
| 72-54-8 | 4,4'-DDD | 39 | U |
| 1031-07-8 | Endosulfan sulfate | 39 | U |
| 50-29-3 | 4,4'-DDT | 13 | DJP |
| 72-43-5 | Methoxychlor | 200 | U |
| 53494-70-5 | Endrin ketone | 310 | DP |
| 7421-93-4 | Endrin aldehyde | 39 | U |
| 5103-71-9 | alpha-Chlordane | 20 | U |
| 5103-74-2 | gamma-Chlordane | 20 | U |
| 8001-35-2 | Toxaphene | 2000 | U |
| 12674-11-2 | Aroclor-1016 | 390 | U |
| 11104-28-2 | Aroclor-1221 | 800 | U |
| 11141-16-5 | Aroclor-1232 | 390 | U |
| 53469-21-9 | Aroclor-1242 | 390 | U |
| 12672-29-6 | Aroclor-1248 | 390 | U |
| 11097-69-1 | Aroclor-1254 | 390 | U |
| 11096-82-5 | Aroclor-1260 | 390 | U |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103

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

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

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

| CAS NO. | COMPOUND | | 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 | 5.2 | PJ |
| 959-98-8 | Endosulfan I | 2.0 | U |
| 60-57-1 | Dieldrin | 9.8 | |
| 72-55-9 | 4,4'-DDE | 1.8 | JP |
| 72-20-8 | Endrin | 39 | PJ |
| 33213-65-9 | Endosulfan II | 1.9 | JP |
| 72-54-8 | 4,4'-DDD | 3.8 | U |
| 1031-07-8 | Endosulfan sulfate | 3.8 | U |
| 50-29-3 | 4,4'-DDT | 2.8 | JP |
| 72-43-5 | Methoxychlor | 120 | PJ |
| 53494-70-5 | Endrin ketone | 87 | EPJ |
| 7421-93-4 | Endrin aldehyde | 9.3 | PJ |
| 5103-71-9 | alpha-Chlordane | 2.0 | U |
| 5103-74-2 | gamma-Chlordane | 46 | EPJ |
| 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S7DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652103DL

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

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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 | 20 | U |
| 319-85-7 | beta-BHC | 20 | U |
| 319-86-8 | delta-BHC | 20 | U |
| 58-89-9 | gamma-BHC (Lindane) | 20 | U |
| 76-44-8 | Heptachlor | 20 | U |
| 309-00-2 | Aldrin | 20 | U |
| 1024-57-3 | Heptachlor epoxide | 6.3 | DJP |
| 959-98-8 | Endosulfan I | 20 | U |
| 60-57-1 | Dieldrin | 38 | U |
| 72-55-9 | 4,4'-DDE | 16 | DJP |
| 72-20-8 | Endrin | 30 | DJP |
| 33213-65-9 | Endosulfan II | 38 | U |
| 72-54-8 | 4,4'-DDD | 38 | U |
| 1031-07-8 | Endosulfan sulfate | 38 | U |
| 50-29-3 | 4,4'-DDT | 38 | U |
| 72-43-5 | Methoxychlor | 200 | U |
| 53494-70-5 | Endrin ketone | 38 | U |
| 7421-93-4 | Endrin aldehyde | 38 | U |
| 5103-71-9 | alpha-Chlordane | 20 | U |
| 5103-74-2 | gamma-Chlordane | 20 | U |
| 8001-35-2 | Toxaphene | 2000 | U |
| 12674-11-2 | Aroclor-1016 | 380 | U |
| 11104-28-2 | Aroclor-1221 | 770 | U |
| 11141-16-5 | Aroclor-1232 | 380 | U |
| 53469-21-9 | Aroclor-1242 | 380 | U |
| 12672-29-6 | Aroclor-1248 | 380 | U |
| 11097-69-1 | Aroclor-1254 | 380 | U |
| 11096-82-5 | Aroclor-1260 | 380 | U |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104

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

% Moisture: 25 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/12/05

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

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

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 11 | U |
| 319-85-7 | beta-BHC | 11 | U |
| 319-86-8 | delta-BHC | 11 | U |
| 58-89-9 | gamma-BHC (Lindane) | 11 | U |
| 76-44-8 | Heptachlor | 11 | U |
| 309-00-2 | Aldrin | 11 | U |
| 1024-57-3 | Heptachlor epoxide | 11 | ~~J~~PJ KJH |
| 959-98-8 | Endosulfan I | 11 | U 5/22/05 |
| 60-57-1 | Dieldrin | 20 | J |
| 72-55-9 | 4,4'-DDE | 5.0 | JP |
| 72-20-8 | Endrin | 84 | PJ |
| 33213-65-9 | Endosulfan II | 15 | J |
| 72-54-8 | 4,4'-DDD | 22 | U |
| 1031-07-8 | Endosulfan sulfate | 22 | U |
| 50-29-3 | 4,4'-DDT | 22 | U |
| 72-43-5 | Methoxychlor | 550 | PJ |
| 53494-70-5 | Endrin ketone | 300 | PJ |
| 7421-93-4 | Endrin aldehyde | 33 | PJ |
| 5103-71-9 | alpha-Chlordane | 11 | U |
| 5103-74-2 | gamma-Chlordane | 350 | EPJ |
| 8001-35-2 | Toxaphene | 1100 | U |
| 12674-11-2 | Aroclor-1016 | 220 | U |
| 11104-28-2 | Aroclor-1221 | 450 | U |
| 11141-16-5 | Aroclor-1232 | 220 | U |
| 53469-21-9 | Aroclor-1242 | 220 | U |
| 12672-29-6 | Aroclor-1248 | 220 | U |
| 11097-69-1 | Aroclor-1254 | 220 | U |
| 11096-82-5 | Aroclor-1260 | 220 | U |

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S8DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652104DL

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

% Moisture: 25 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/12/05

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

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

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 110 | U |
| 319-85-7 | beta-BHC | 110 | U |
| 319-86-8 | delta-BHC | 110 | U |
| 58-89-9 | gamma-BHC (Lindane) | 110 | U |
| 76-44-8 | Heptachlor | 110 | U |
| 309-00-2 | Aldrin | 110 | U |
| 1024-57-3 | Heptachlor epoxide | 110 | U |
| 959-98-8 | Endosulfan I | 110 | U |
| 60-57-1 | Dieldrin | 220 | U |
| 72-55-9 | 4,4'-DDE | 77 | DJP |
| 72-20-8 | Endrin | 170 | DJP |
| 33213-65-9 | Endosulfan II | 220 | U |
| 72-54-8 | 4,4'-DDD | 220 | U |
| 1031-07-8 | Endosulfan sulfate | 220 | U |
| 50-29-3 | 4,4'-DDT | 220 | U |
| 72-43-5 | Methoxychlor | 2300 | DP |
| 53494-70-5 | Endrin ketone | 220 | U |
| 7421-93-4 | Endrin aldehyde | 220 | U |
| 5103-71-9 | alpha-Chlordane | 110 | U |
| 5103-74-2 | gamma-Chlordane | 110 | U |
| 8001-35-2 | Toxaphene | 11000 | U |
| 12674-11-2 | Aroclor-1016 | 2200 | U |
| 11104-28-2 | Aroclor-1221 | 4500 | U |
| 11141-16-5 | Aroclor-1232 | 2200 | U |
| 53469-21-9 | Aroclor-1242 | 2200 | U |
| 12672-29-6 | Aroclor-1248 | 2200 | U |
| 11097-69-1 | Aroclor-1254 | 2200 | U |
| 11096-82-5 | Aroclor-1260 | 2200 | U |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S9

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652105

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

% Moisture: 28 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.8 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 2.4 | U |
| 319-85-7 | beta-BHC | 11 | PBJ |
| 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 | 2.3 | JP |
| 33213-65-9 | Endosulfan II | 4.6 | U |
| 72-54-8 | 4,4'-DDD | 2.8 | JP |
| 1031-07-8 | Endosulfan sulfate | 4.6 | U |
| 50-29-3 | 4,4'-DDT | 2.5 | JP |
| 72-43-5 | Methoxychlor | 24 | U |
| 53494-70-5 | Endrin ketone | 1.6 | J |
| 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00T0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652106

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

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

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

| CAS NO. | COMPOUND | | 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 | 5.4 | P |
| 959-98-8 | Endosulfan I | 1.9 | U |
| 60-57-1 | Dieldrin | 6.6 | P |
| 72-55-9 | 4,4'-DDE | 3.8 | U |
| 72-20-8 | Endrin | 8.8 | P |
| 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 | 10 | P |
| 72-43-5 | Methoxychlor | 300 | P |
| 53494-70-5 | Endrin ketone | 100 | EP |
| 7421-93-4 | Endrin aldehyde | 19 | P |
| 5103-71-9 | alpha-Chlordane | 1.9 | U |
| 5103-74-2 | gamma-Chlordane | 66 | EP |
| 8001-35-2 | Toxaphene | 190 | U |
| 12674-11-2 | Aroclor-1016 | 38 | U |
| 11104-28-2 | Aroclor-1221 | 76 | 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00T0DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 652106DL

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

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/06/05

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

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

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 19 | U |
| 319-85-7 | beta-BHC | 19 | U |
| 319-86-8 | delta-BHC | 6.8 | DJP |
| 58-89-9 | gamma-BHC (Lindane) | 19 | U |
| 76-44-8 | Heptachlor | 19 | U |
| 309-00-2 | Aldrin | 19 | U |
| 1024-57-3 | Heptachlor epoxide | 8.0 | DJP |
| 959-98-8 | Endosulfan I | 19 | U |
| 60-57-1 | Dieldrin | 38 | U |
| 72-55-9 | 4,4'-DDE | 19 | DJP |
| 72-20-8 | Endrin | 24 | DJP |
| 33213-65-9 | Endosulfan II | 38 | U |
| 72-54-8 | 4,4'-DDD | 38 | U |
| 1031-07-8 | Endosulfan sulfate | 38 | U |
| 50-29-3 | 4,4'-DDT | 38 | U |
| 72-43-5 | Methoxychlor | 310 | D |
| 53494-70-5 | Endrin ketone | 38 | U |
| 7421-93-4 | Endrin aldehyde | 38 | U |
| 5103-71-9 | alpha-Chlordane | 19 | U |
| 5103-74-2 | gamma-Chlordane | 19 | U |
| 8001-35-2 | Toxaphene | 1900 | U |
| 12674-11-2 | Aroclor-1016 | 380 | U |
| 11104-28-2 | Aroclor-1221 | 760 | U |
| 11141-16-5 | Aroclor-1232 | 380 | U |
| 53469-21-9 | Aroclor-1242 | 380 | U |
| 12672-29-6 | Aroclor-1248 | 380 | U |
| 11097-69-1 | Aroclor-1254 | 380 | U |
| 11096-82-5 | Aroclor-1260 | 380 | U |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKIM

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00S5

Matrix: (soil/water) SOIL Lab Sample ID: 68247

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

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/07/05

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 1.7 | U |
| 319-85-7 | beta-BHC | 0.53 | JP |
| 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 | 0.50 | J |
| 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

C

Sample Delivery Group: E0055 CERCLIS No: ILN000509241

Case No: 34166 Site Name/Location: Acme Steel Coke Plant

Contractor or EPA Lab: CompuChem Data User: IEPA

No. of Samples: 6 Date Sampled or Date Received: 5/26/05

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: ____ No. of samples received: ____

Received by: Michelle Davis Date: 5/26/05

Received by LSSS: Michelle Davis Date: 5/27/05

Review started: 6-15-5 Reviewer Signature: Stephanie Tolman

Total time spent on review: 15 hrs Date review completed: 6-21-05

Copied by: ____ Date: ____

Mailed to user by: James P. Bruden Date: 6-23-05

**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: ____

BDATE: June 16, 2005

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

Attn: Bob Casper

SITE NAME: ACME Steel Coke Plant, (IL)

| CASE NO. | LAB | NO. OF SAMPLES | SDG | MATRIX |
|---|---|---|---|---|
| 34166 | Compuchem | 8 | E00R2 | 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.

Signature:_____ Date:_____

RECEIVED
JUN 20 2005
IEPA-ECL-HSPS

FROM: U.S. EPA
Region 5
Central Regional Laboratory
536 S. Clark, 10th Floor
CHICAGO, IL 60605

Sent By: James D Burden, Chemist ESAT Region 5 / ALION Science & Technology

**Regional Transmittal Form**

**UNITED STATED ENVIROMENTAL PROTECTION AGENCY**
**REGION V**
**SUPERFUND DIVISION**

DATE: _____

SUBJECT: Review of Data
Received for review on 05-26-2005

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

TO: Data User: IEPA

We have reviewed the data for the following case:

Site Name: Acme Steel Coke Plant (IL)

Case Number: 34166 SDG Number: E00R2

Number and Type of Samples: 8 water samples

Sample Numbers: E00R2, E00R6, E00R7, E00S0 – E00S4

Laboratory: Compuchem Hrs for review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00R2

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

Eight (8) water samples, numbered E00R2, E00R6, E00R7 and E00S0 through E00S4, were collected on 05/02-03/2005. The laboratory received the samples on 05/06/2005 in good condition. Sample E00S1 was analyzed for only the list of volatile analytes. The remaining samples were analyzed for the full list of organic analytes according to CLP SOW OLM04.3.

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 15, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00R2

## 1. HOLDING TIME

The following preserved volatile water samples are outside primary holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E00R2MS, E00R2MSD

The following pesticide water samples are outside primary extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E00R2, E00R2MS, E00R2MSD, E00R6, E00R7, E00S0, E00S2, E00S3, E00S4

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

No problems were found for this qualification.

## 3. CALIBRATION

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, 2-Butanone, 2-Hexanone
E00R2DL, E00R2MS, E00R2MSD, E00S4, VBLKBP, VBLKXD, VBLKYM, VHBLKZH

Chloroethane
E00R2DL, E00S4, VBLKXD

4-Methyl-2-pentanone
E00R2DL, E00S4, VBLKBP, VBLKXD, VHBLKZH

The following semivolatile 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".

2,4-Dinitrophenol
E00R2, E00R2MS, E00R2MSD, E00R6, E00R6DL, E00R7, E00R7DL, E00S0, E00S2, E00S3, E00S4, SBLKIL

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits and non-detects are qualified above.

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 15, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00R2

2,4-Dinitrophenol
E00R2, E00R2MS, E00R2MSD, E00R6, E00R6DL, E00R7, E00R7DL, E00S0, E00S2, E00S3, E00S4, SBLKIL

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".

Hexachloroethane, 4-Chloroaniline, 2-Methylnaphthalene, Hexachlorocyclopentadiene, 4-Nitroaniline
E00R2, E00R2MS, E00R2MSD, E00R6, E00R6DL, E00R7, E00R7DL, E00S0, E00S2, E00S3, E00S4, SBLKIL

1,1'-Biphenyl, 4-Nitrophenol, Atrazine, Carbazole, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate
E00R2, E00R2MS, E00R2MSD, E00R6, E00R7, E00S0, E00S2, E00S3, E00S4, SBLKIL

Pentachlorophenol
E00R6DL, E00R7DL

## 4. METHOD BLANK

The following volatile samples were analyzed after a highly contaminated sample and have no preceding instrument blank. There is a possibility of a carryover for the following analytes. The results may be bias high; therefore a positive result is qualified "J".

Benzene
E00R6. E00R7

The following volatile 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.

Methylene Chloride
E00R2DL

## 5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No problems were found for this qualification.

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 15, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00R2

The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. Sample results for the outlier compounds in the unspiked sample E00R2 are estimated "J" and non-detects "UJ".

E00R2MS, E00R2MSD
Benzene

The following volatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit. Hits and non-detects in the unspiked sample E00R2 are qualified as above.

E00R2MS
Benzene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limits but less than 100%. Hits and non-detects in the unspiked sample E00R2 are not flagged.

E00R2MS, E00R2MSD
4-Nitrophenol

## 7. FIELD BLANK AND FIELD DUPLICATE

Sample E00S1 was identified as the trip blank and E00S2 was identified as field blank. None of the samples in this SDG were identified as field duplicates. The results of the QC blanks are summarized in the following table:

| Analytes | E00S1 | E00S2 |
|---|---|---|
| dilution factor = | 1.0 | 1.0 |
| VOA TICs | 2 | 1 |

Results are not qualified based upon the results of the QC blanks or field duplicates.

## 8. INTERNAL STANDARDS

No problems were found for this qualification.

## 9. COMPOUND IDENTIFICATION

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

## 10. COMPOUND QUANTITATION AND DETECTION LIMITS

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Date: June 15, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00R2

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

E00R2
Carbon Disulfide, Cyclohexane

E00R2DL
Toluene, Ethylbenzene, Xylenes (total)

E00R2MS, E00R2MSD
Carbon Disulfide, Methylene Chloride, Cyclohexane

E00R6, E00R7
Benzene, Xylenes (total)

E00S3
Carbon Disulfide, Toluene, Ethylbenzene, Xylenes (total)

E00S4
Acetone

VBLKXD
Methylene Chloride

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

E00R2
Phenol, Acenaphthylene, Acenaphthene, Fluoranthene, Pyrene

E00R2MS, E00R2MSD
Acenaphthylene, Fluoranthene

E00R6, E00R6DL
bis(2-Ethylhexyl)phthalate

E00S3
Dibenzofuran, Fluorene, Phenanthrene

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

E00R2MS, E00R2MSD
beta-BHC

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Date: June 15, 2005

Laboratory: Compuchem
Site: Acme Steel Coke Plant (IL)

Case: 34166
SDG: E00R2

The following pesticide samples have analytes for which the percent difference between column results exceeds expanded criteria. Hits are qualified "J".

E00R2MS, E00R2MSD
beta-BHC

## 11. SYSTEM PERFORMANCE

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

## 12. ADDITIONAL INFORMATION

For the VOA fraction, the result of Benzene for E00R2 was quantitated outside the calibration range. The result of Benzene for E00R2DL should be used for result validation.

The results of Benzene for E00R2MS and E00R2MSD were quantitated outside the calibration range. No further dilution or qualification is required since these samples were used for QC purposes only.

For the SVOA fraction, the results of Naphthalene for E00R6 and E00R7 were quantitated outside the calibration range. The results of Naphthalene for E00R6DL and E00R7DL should be used for result validation.

The following semivolatile samples had semivolatile target analytes reported as SV Tentatively Identified Compounds (TIC). Hits for these compounds in the affected semivolatile samples should be qualified "J" and non-detects flagged "UJ".

| | | |
|---|---|---|
| 2-Methylnaphthalene | Cas No. 91-57-6 | E00S3 |

Not all TIC results were reported for SVOA sample E00S3 on the CADRE TIC report. CADRE did not report any of the TICs whose CAS Numbers corresponded to target analytes. Please, refer to Forms I SV-TIC for the complete list of the TICs detected for SVOA sample E00S3.

Reviewed by: Steffanie Tobin (Alion/ESAT)
Date: June 15, 2005

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 analyte 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 presence of an analyte for which there is presumptive evidence to make a tentative identification. |
| NJ | The analysis indicates the presence 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.) |

# TIC RESULTS

## Volatile Sample Analysis

### Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00R2 |
| Sample Type: | Spike Original | | |
| Lab ID: | LIBRTY | Location: | G101 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 4.33 | 21 | J |
| 496117 | INDANE | 14.64 | 100 | NJ |
| 95136 | INDENE | 14.85 | 14 | NJ |
| 17059528 | BENZOFURAN, 7-METHYL- | 15.38 | 6 | NJ |
| 95158 | BENZO[B]THIOPHENE | 16.81 | 5 | NJ |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis

### Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00R2 |
| Sample Type: | Spike Original | | |
| Lab ID: | LIBRTY | Location: | G101 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| 496117 | INDANE $$ 1H-INDENE, 2,3-DIHYDRO- $$ IND | 8.85 | 55 | NJ |
| 95136 | INDENE | 9.04 | 26 | NJ |
| 17059528 | BENZOFURAN, 7-METHYL- $$ 7-METHYLBENZOFU | 10.08 | 7 | NJ |
| 17059528 | BENZOFURAN, 7-METHYL- $$ 7-METHYLBENZOFU | 10.18 | 4 | NJ |
| 270826 | BENZO[C]THIOPHENE | 11.55 | 6 | NJ |
| 83330 | 1H-INDEN-1-ONE, 2,3-DIHYDRO- $$ 1-INDANO | 12.57 | 2 | NJ |
| 90120 | NAPHTHALENE, 1-METHYL- $$ .ALPHA.-METHYL | 12.88 | 5 | NJ |
| | UNKNOWN | 16.03 | 4 | J |
| | UNKNOWN | 16.12 | 2 | J |
| | UNKNOWN | 16.55 | 3 | J |
| | UNKNOWN | 16.57 | 3 | J |
| | UNKNOWN | 16.71 | 3 | J |
| | UNKNOWN | 16.78 | 2 | J |
| | UNKNOWN | 16.85 | 9 | J |
| 10544500 | CYCLIC OCTAATOMIC SULFUR | 16.93 | 4 | NJ |
| | UNKNOWN | 16.99 | 2 | J |
| | UNKNOWN | 17.11 | 3 | J |
| | UNKNOWN | 17.19 | 4 | J |
| | UNKNOWN | 17.23 | 3 | J |
| | UNKNOWN | 17.27 | 3 | J |
| | UNKNOWN | 17.32 | 4 | J |
| | UNKNOWN | 17.38 | 2 | J |
| | UNKNOWN | 17.41 | 5 | J |
| | UNKNOWN | 17.43 | 7 | J |
| 10544500 | CYCLIC OCTAATOMIC SULFUR | 17.50 | 13 | NJ |
| | UNKNOWN | 17.68 | 6 | J |
| | UNKNOWN | 17.75 | 4 | J |
| | UNKNOWN | 17.99 | 2 | J |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00R2DL |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | G101 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| | LABORATORY ARTIFACT | 3.45 | 17000 | JDB |
| 496117 | INDANE | 14.64 | 110 | NJD |
| 95136 | INDENE | 14.85 | 53 | NJD |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00R6 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | G102 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 4.34 | 10 | J |
| 95158 | BENZO[B]THIOPHENE | 16.81 | 7 | NJ |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00R6 |
| Sample Type: | Routine Sample | | |
| Lab ID | LIBRTY | Location: | G102 |
| Case No | 34166 | Matrix/Level: | Water/Low |
| SDG No. | E00R2 | File Name: | E00R2 |

| CAS No | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| 95136 | INDENE | 9.02 | 2 | NJ |
| 270826 | BENZO[C]THIOPHENE | 11.53 | 5 | NJ |
| 615167 | 2H-BENZIMIDAZOL-2-ONE, 1,3-DIHYDRO- $$ 2 | 16.19 | 3 | NJ |
| 115286 | BICYCLO[2.2.1]HEPT-5-ENE-2,3-DICARBOXYLI | 17.35 | 3 | NJ |
| | UNKNOWN | 25.05 | 3 | J |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00R6DL |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | G102 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| 95158 | BENZO[B]THIOPHENE | 11.50 | 7 | NJD |
| 115286 | BICYCLO[2.2.1]HEPT-5-ENE-2,3-DICARBOXYLI | 17.32 | 6 | NJD |
| | UNKNOWN | 24.97 | 5 | JD |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00R7 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | G103 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| 75456 | METHANE, CHLORODIFLUORO- | 3.45 | 21 | NJ |
| | UNKNOWN | 4.35 | 14 | J |
| 270826 | BENZO[C]THIOPHENE | 16.81 | 8 | NJ |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00R7 |
| Sample Type | Routine Sample | | |
| Lab ID | LIBRTY | Location: | G103 |
| Case No | 34166 | Matrix/Level: | Water/Low |
| SDG No | E00R2 | File Name: | E00R2 |

| CAS No | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| 95136 | INDENE | 9.02 | 2 | NJ |
| 95158 | BENZO[B]THIOPHENE | 11.54 | 7 | NJ |
| | UNKNOWN | 16.19 | 3 | J |
| | UNKNOWN | 17.36 | 3 | J |
| | UNKNOWN | 25.04 | 3 | J |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00R7DL |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | G103 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| 270633 | CYCLOPENTA[C]THIAPYRAN | 11.51 | 9 | NJ |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S0 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | G104 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| | STRAIGHT-CHAIN ALKANE | 3.36 | 7 | J |
| 75456 | METHANE, CHLORODIFLUORO- | 3.45 | 21 | NJ |
| | UNKNOWN | 3.99 | 5 | J |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S0 |
| Sample Type | Routine Sample | | |
| Lab ID | LIBRTY | Location: | G104 |
| Case No | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| 115286 | BICYCLO[2.2.1]HEPT-5-ENE-2.3-DICARBOXYLI | 17.36 | 5 | NJ |
| 10544500 | CYCLIC OCTAATOMIC SULFUR $S SULFUR. MOL | 17.45 | 2 | NJ |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S1 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | TRIP BLANK |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| 75456 | METHANE, CHLORODIFLUORO- | 3.46 | 22 | NJ |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S2 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | FIELD BLANK |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S3 |
| Sample Type | Routine Sample | | |
| Lab ID | LIBRTY | Location: | G105 |
| Case No | 34166 | Matrix/Level: | Water/Low |
| SDG No. | E00R2 | File Name: | E00R2 |

| CAS No | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 3.30 | 20 | J |
| | UNKNOWN | 3.36 | 90 | JB |
| 75456 | METHANE, CHLORODIFLUORO- | 3.45 | 37 | NJ |
| | UNKNOWN | 4.34 | 33 | J |
| 95498 | BENZENE, 1-CHLORO-2-METHYL- | 13.68 | 14 | NJ |
| 496117 | INDANE | 14.64 | 24 | NJ |

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S3 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | G105 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| 95498 | BENZENE, 1-CHLORO-2-METHYL- | 7.29 | 4 | NJ |
| 496117 | INDANE $$ 1H-INDENE, 2,3-DIHYDRO- $$ IND | 8.81 | 11 | NJ |
| 541026 | CYCLOPENTASILOXANE, DECAMETHYL- | 10.74 | 3 | NJ |
| 270826 | BENZO[C]THIOPHENE | 11.53 | 3 | NJ |
| | UNKNOWN | 11.84 | 14 | J |
| | UNKNOWN | 11.92 | 4 | J |
| 4565326 | BENZO[B]THIOPHENE, 2,3-DIHYDRO- | 12.29 | 3 | NJ |
| | UNKNOWN | 12.42 | 8 | J |
| | UNKNOWN | 12.60 | 2 | J |
| | UNKNOWN | 13.14 | 5 | J |
| | UNKNOWN | 13.39 | 2 | J |
| | UNKNOWN | 13.71 | 6 | J |
| 581408 | NAPHTHALENE, 2,3-DIMETHYL- $$ GUAJEN $$ | 13.81 | 2 | NJ |
| | UNKNOWN | 14.01 | 3 | J |
| | UNKNOWN | 14.12 | 3 | J |
| | UNKNOWN | 14.74 | 2 | J |
| | UNKNOWN | 15.28 | 2 | J |
| 0000 | ACENAPHTHENONE | 15.57 | 2 | NJ |
| | UNKNOWN | 16.15 | 2 | J |
| | UNKNOWN | 16.69 | 3 | J |
| | UNKNOWN | 16.82 | 4 | J |
| 10544500 | CYCLIC OCTAATOMIC SULFUR | 17.42 | 300 | NJ |
| 10544500 | CYCLIC OCTAATOMIC SULFUR | 17.46 | 190 | NJ |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| | | Sample No.: | E00S4 |
| Sample Type: | Routine Sample | | |
| Lab ID: | LIBRTY | Location: | G106 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|

*Q: Laboratory Qualifier

## Semivolatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Type: | Routine Sample | Sample No.: | E00S4 |
| Lab ID: | LIBRTY | Location: | G106 |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 7.21 | 4 | J |
| | UNKNOWN | 13.65 | 2 | J |
| | UNKNOWN | 13.76 | 3 | J |
| 314409 | BROMACIL | 17.30 | 4 | NJ |
| | UNKNOWN | 17.74 | 2 | J |
| | UNKNOWN | 19.13 | 2 | J |
| | UNKNOWN | 19.32 | 2 | J |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Type: | Method Blank | Sample No.: | VBLKTK |
| Lab ID: | LIBRTY | Location: | |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 3.44 | 9 | J |

*Q: Laboratory Qualifier

## Volatile Sample Analysis
## Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Type | Method Blank | Sample No.: | VBLKXD |
| Lab ID | LIBRTY | Location: | |
| Case No | 34166 | Matrix/Level: | Water/Low |
| SDG No | E00R2 | File Name: | E00R2 |

| CAS No | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| | LABORATORY ARTIFACT | 3.45 | 53 | J |

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Type: | Storage Blank | Sample No.: | VHBLKZH |
| Lab ID: | LIBRTY | Location: | |
| Case No.: | 34166 | Matrix/Level: | Water/Low |
| SDG No.: | E00R2 | File Name: | E00R2 |

| CAS No. | Compound Name | RT | Concentration (UG/L) | Q* |
|---|---|---|---|---|
| | UNKNOWN | 8.03 | 6 | J |

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 34166
SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00R2 | | E00R2DL | | E00R2MS | | E00R2MSD | | E00R6 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location: | G101 | | G101 | | G101 | | G101 | | G102 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | |
| Time Sampled : | 13:20 | | 13:20 | | 13:20 | | 13:20 | | 16:05 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 10.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| DICHLORODIFLUOROMETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| CHLOROMETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| VINYL CHLORIDE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| BROMOMETHANE | 10 | U | 100 | UJ | 10 | UJ | 10 | UJ | 10 | U |
| CHLOROETHANE | 10 | U | 100 | UJ | 10 | UJ | 10 | UJ | 10 | U |
| TRICHLOROFLUOROMETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,1-DICHLOROETHENE | 10 | U | 100 | U | 47 | J | 49 | J | 10 | U |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUORO | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| ACETONE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| CARBON DISULFIDE | 1 | J | 100 | U | 2 | J | 2 | J | 10 | U |
| METHYL ACETATE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| METHYLENE CHLORIDE | 10 | U | 110 | U | 1 | J | 1 | J | 10 | U |
| TRANS-1,2-DICHLOROETHENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| METHYL TERT-BUTYL ETHER | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,1-DICHLOROETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| CIS-1,2-DICHLOROETHENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 2-BUTANONE | 10 | U | 100 | UJ | 10 | UJ | 10 | UJ | 10 | U |
| CHLOROFORM | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,1,1-TRICHLOROETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| CYCLOHEXANE | 2 | J | 100 | U | 2 | J | 2 | J | 10 | U |
| CARBON TETRACHLORIDE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| BENZENE | 820 | J | 970 | | 890 | J | 870 | J | 7 | J |
| 1,2-DICHLOROETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| TRICHLOROETHENE | 10 | U | 100 | U | 51 | J | 51 | J | 10 | U |
| METHYLCYCLOHEXANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,2-DICHLOROPROPANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| BROMODICHLOROMETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| CIS-1,3-DICHLOROPROPENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 4-METHYL-2-PENTANONE | 10 | U | 100 | UJ | 10 | UJ | 10 | UJ | 10 | U |
| TOLUENE | 11 | | 22 | J | 65 | J | 65 | J | 10 | U |
| TRANS-1,3-DICHLOROPROPENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,1,2-TRICHLOROETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| TETRACHLOROETHENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00R2 | | E00R2DL | | E00R2MS | | E00R2MSD | | E00R6 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G101 | | G101 | | G101 | | G101 | | G102 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | |
| Time Sampled : | 13:20 | | 13:20 | | 13:20 | | 13:20 | | 16:05 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 10.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-HEXANONE | 10 | U | 100 | UJ | 10 | UJ | 10 | UJ | 10 | U |
| DIBROMOCHLOROMETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,2-DIBROMOETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| CHLOROBENZENE | 10 | U | 100 | U | 55 | J | 54 | J | 10 | U |
| ETHYLBENZENE | 78 | | 86 | J | 85 | J | 82 | J | 10 | U |
| XYLENES (TOTAL) | 28 | | 32 | J | 31 | J | 30 | J | 0.7 | J |
| STYRENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| BROMOFORM | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| ISOPROPYLBENZENE | 10 | | 100 | U | 11 | J | 10 | J | 10 | U |
| 1,1,2,2-TETRACHLOROETHANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,3-DICHLOROBENZENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,4-DICHLOROBENZENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,2-DICHLOROBENZENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,2-DIBROMO-3-CHLOROPROPANE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |
| 1,2,4-TRICHLOROBENZENE | 10 | U | 100 | U | 10 | UJ | 10 | UJ | 10 | U |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00R7 | | E00S0 | | E00S1 | | E00S2 | | E00S3 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G103 | | G104 | | TRIP BLANK | | FIELD BLANK | | G105 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:05 | | 18:15 | | 09:15 | | 10:05 | | 09:50 | |
| %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 | 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 | 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 | 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 | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| CARBON DISULFIDE | 10 | U | 10 | U | 10 | U | 10 | U | 2 | J |
| METHYL ACETATE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 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 | 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 | 7 | J | 10 | U | 10 | U | 10 | U | 11 | |
| 1,2-DICHLOROETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TRICHLOROETHENE | 10 | U | 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 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| TOLUENE | 10 | U | 10 | U | 10 | U | 10 | U | 1 | J |
| 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 |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00R7 | | E00S0 | | E00S1 | | E00S2 | | E00S3 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G103 | | G104 | | TRIP BLANK | | FIELD BLANK | | G105 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:05 | | 18:15 | | 09:15 | | 10:05 | | 09:50 | |
| %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 | 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 | 0.9 | J |
| XYLENES (TOTAL) | 0.7 | J | 10 | U | 10 | U | 10 | U | 7 | J |
| 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 #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00S4 | | VBLKBP | | VBLKTK | | VBLKXD | | VBLKYM | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G106 | | | | | | | | | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/3/2005 | | | | | | | | | |
| Time Sampled : | 11:25 | | | | | | | | | |
| %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 | 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 | U | 10 | UJ | 10 | UJ |
| CHLOROETHANE | 10 | UJ | 10 | U | 10 | U | 10 | UJ | 10 | U |
| TRICHLOROFLUOROMETHANE | 10 | U | 10 | U | 10 | U | 10 | U | 10 | U |
| 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 | 6 | J | 10 | U | 10 | U | 10 | U | 10 | U |
| 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 | U | 10 | U | 10 | U | 3 | J | 10 | U |
| 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 | UJ | 10 | UJ | 10 | U | 10 | UJ | 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 | 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 | 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 | U | 10 | UJ | 10 | U |
| TOLUENE | 10 | U | 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 |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00S4 | | VBLKBP | | VBLKTK | | VBLKXD | | VBLKYM | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G106 | | | | | | | | | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/3/2005 | | | | | | | | | |
| Time Sampled : | 11:25 | | | | | | | | | |
| %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 | U | 10 | UJ | 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 | 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 #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

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

## Analytical Results (Qualified Data)

Case #: 34166
SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

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

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00R2 | | E00R2MS | | E00R2MSD | | E00R6 | | E00R6DL | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G101 | | G101 | | G101 | | G102 | | G102 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | |
| Time Sampled : | 13:20 | | 13:20 | | 13:20 | | 16:05 | | 16:05 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 2.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| PHENOL | 9 | J | 66 | | 57 | | 10 | U | 20 | U |
| BIS-(2-CHLOROETHYL)ETHER | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2-CHLOROPHENOL | 10 | U | 59 | | 52 | | 10 | U | 20 | U |
| 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 | 36 | | 31 | | 10 | U | 20 | U |
| HEXACHLOROETHANE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 20 | UJ |
| 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 | 39 | | 39 | | 37 | | 85 | | 130 | |
| 4-CHLOROANILINE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 20 | UJ |
| HEXACHLOROBUTADIENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| CAPROLACTAM | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 4-CHLORO-3-METHYLPHENOL | 10 | U | 57 | | 51 | | 10 | U | 20 | U |
| 2-METHYLNAPHTHALENE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 20 | UJ |
| HEXACHLOROCYCLO-PENTADIENE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 20 | UJ |
| 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 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 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 | 2 | J | 2 | J | 2 | J | 10 | U | 20 | U |
| 3-NITROANILINE | 25 | U | 25 | U | 25 | U | 25 | U | 50 | U |
| ACENAPHTHENE | 9 | J | 44 | | 41 | | 10 | U | 20 | U |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00R2 | | E00R2MS | | E00R2MSD | | E00R6 | | E00R6DL | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G101 | | G101 | | G101 | | G102 | | G102 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | |
| Time Sampled : | 13:20 | | 13:20 | | 13:20 | | 16:05 | | 16:05 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 2.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 25 | R | 25 | R | 25 | R | 25 | R | 50 | R |
| 4-NITROPHENOL | 25 | UJ | 72 | J | 66 | J | 25 | UJ | 50 | U |
| DIBENZOFURAN | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| 2,4-DINITROTOLUENE | 10 | U | 40 | | 37 | | 10 | U | 20 | U |
| 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 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 50 | UJ |
| 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 | U |
| PENTACHLOROPHENOL | 25 | U | 57 | | 52 | | 25 | U | 50 | UJ |
| PHENANTHRENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| ANTHRACENE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| CARBAZOLE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 20 | U |
| DI-N-BUTYLPHTHALATE | 10 | U | 10 | U | 10 | U | 10 | U | 20 | U |
| FLUORANTHENE | 5 | J | 5 | J | 5 | J | 10 | U | 20 | U |
| PYRENE | 3 | J | 43 | | 39 | | 10 | U | 20 | U |
| 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 | UJ | 12 | J | 7 | J | 10 | J |
| DI-N-OCTYLPHTHALATE | 10 | UJ | 10 | UJ | 10 | UJ | 10 | UJ | 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 #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00R7 | | E00R7DL | | E00S0 | | E00S2 | | E00S3 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G103 | | G103 | | G104 | | FIELD BLANK | | G105 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:05 | | 16:05 | | 18:15 | | 10:05 | | 09:50 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 3.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| PHENOL | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| BIS-(2-CHLOROETHYL)ETHER | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2-CHLOROPHENOL | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2-METHYLPHENOL | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| ACETOPHENONE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 4-METHYLPHENOL | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| N-NITROSO-DI-N PROPYLAMINE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| HEXACHLOROETHANE | 10 | UJ | 30 | UJ | 10 | UJ | 10 | UJ | 10 | UJ |
| NITROBENZENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| ISOPHORONE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2-NITROPHENOL | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2,4-DIMETHYLPHENOL | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| BIS(2-CHLOROETHOXY)METHANE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2,4-DICHLOROPHENOL | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| NAPHTHALENE | 93 | | 150 | | 10 | U | 10 | U | 10 | U |
| 4-CHLOROANILINE | 10 | UJ | 30 | UJ | 10 | UJ | 10 | UJ | 10 | UJ |
| HEXACHLOROBUTADIENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| CAPROLACTAM | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 4-CHLORO-3-METHYLPHENOL | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2-METHYLNAPHTHALENE | 10 | UJ | 30 | UJ | 10 | UJ | 10 | UJ | 10 | UJ |
| HEXACHLOROCYCLO-PENTADIENE | 10 | UJ | 30 | UJ | 10 | UJ | 10 | UJ | 10 | UJ |
| 2,4,6-TRICHLOROPHENOL | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2,4,5-TRICHLOROPHENOL | 25 | U | 75 | U | 25 | U | 25 | U | 25 | U |
| 1,1'-BIPHENYL | 10 | UJ | 30 | U | 10 | UJ | 10 | UJ | 10 | UJ |
| 2-CHLORONAPHTHALENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2-NITROANILINE | 25 | U | 75 | U | 25 | U | 25 | U | 25 | U |
| DIMETHYLPHTHALATE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 2,6-DINITROTOLUENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| ACENAPHTHYLENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 3-NITROANILINE | 25 | U | 75 | U | 25 | U | 25 | U | 25 | U |
| ACENAPHTHENE | 10 | U | 30 | U | 10 | U | 10 | U | 18 | |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00R7 | | E00R7DL | | E00S0 | | E00S2 | | E00S3 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G103 | | G103 | | G104 | | FIELD BLANK | | G105 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/3/2005 | | 5/3/2005 | |
| Time Sampled : | 16:05 | | 16:05 | | 18:15 | | 10:05 | | 09:50 | |
| %Moisture : | N/A | | N/A | | N/A | | N/A | | N/A | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 3.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 25 | R | 75 | R | 25 | R | 25 | R | 25 | R |
| 4-NITROPHENOL | 25 | UJ | 75 | U | 25 | UJ | 25 | UJ | 25 | UJ |
| DIBENZOFURAN | 10 | U | 30 | U | 10 | U | 10 | U | 9 | J |
| 2,4-DINITROTOLUENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| DIETHYLPHTHALATE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| FLUORENE | 10 | U | 30 | U | 10 | U | 10 | U | 8 | J |
| 4-CHLOROPHENYL-PHENYL ETHER | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 4-NITROANILINE | 25 | UJ | 75 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 4,6-DINITRO-2-METHYLPHENOL | 25 | U | 75 | U | 25 | U | 25 | U | 25 | U |
| N-NITROSO DIPHENYLAMINE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 4-BROMOPHENYL-PHENYLETHER | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| HEXACHLOROBENZENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| ATRAZINE | 10 | UJ | 30 | U | 10 | UJ | 10 | UJ | 10 | UJ |
| PENTACHLOROPHENOL | 25 | U | 75 | UJ | 25 | U | 25 | U | 25 | U |
| PHENANTHRENE | 10 | U | 30 | U | 10 | U | 10 | U | 7 | J |
| ANTHRACENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| CARBAZOLE | 10 | UJ | 30 | U | 10 | UJ | 10 | UJ | 10 | UJ |
| DI-N-BUTYLPHTHALATE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| FLUORANTHENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| PYRENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| BUTYLBENZYLPHTHALATE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| 3,3'-DICHLOROBENZIDINE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| BENZO(A)ANTHRACENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| CHRYSENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 10 | UJ | 30 | U | 10 | UJ | 10 | UJ | 10 | UJ |
| DI-N-OCTYLPHTHALATE | 10 | UJ | 30 | U | 10 | UJ | 10 | UJ | 10 | UJ |
| BENZO(B)FLUORANTHENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| BENZO(K)FLUORANTHENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| BENZO(A)PYRENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| INDENO(1,2,3-CD)-PYRENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| DIBENZO(A,H)-ANTHRACENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |
| BENZO(G,H,I)PERYLENE | 10 | U | 30 | U | 10 | U | 10 | U | 10 | U |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00S4 | | SBLKIL | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G106 | | | | | | | | | |
| Matrix : | Water | | Water | | | | | | | |
| Units : | ug/L | | ug/L | | | | | | | |
| Date Sampled : | 5/3/2005 | | | | | | | | | |
| Time Sampled : | 11:25 | | | | | | | | | |
| %Moisture : | N/A | | N/A | | | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| BENZALDEHYDE | 10 | U | 10 | U | | | | | | |
| PHENOL | 10 | U | 10 | U | | | | | | |
| BIS-(2-CHLOROETHYL)ETHER | 10 | U | 10 | U | | | | | | |
| 2-CHLOROPHENOL | 10 | U | 10 | U | | | | | | |
| 2-METHYLPHENOL | 10 | U | 10 | U | | | | | | |
| 2,2'-OXYBIS(1- CHLOROPROPANE) | 10 | U | 10 | U | | | | | | |
| ACETOPHENONE | 10 | U | 10 | U | | | | | | |
| 4-METHYLPHENOL | 10 | U | 10 | U | | | | | | |
| N-NITROSO-DI-N PROPYLAMINE | 10 | U | 10 | U | | | | | | |
| HEXACHLOROETHANE | 10 | UJ | 10 | UJ | | | | | | |
| NITROBENZENE | 10 | U | 10 | U | | | | | | |
| ISOPHORONE | 10 | U | 10 | U | | | | | | |
| 2-NITROPHENOL | 10 | U | 10 | U | | | | | | |
| 2 4-DIMETHYLPHENOL | 10 | U | 10 | U | | | | | | |
| BIS(2-CHLOROETHOXY)METHANE | 10 | U | 10 | U | | | | | | |
| 2,4-DICHLOROPHENOL | 10 | U | 10 | U | | | | | | |
| NAPHTHALENE | 10 | U | 10 | U | | | | | | |
| 4-CHLOROANILINE | 10 | UJ | 10 | UJ | | | | | | |
| HEXACHLOROBUTADIENE | 10 | U | 10 | U | | | | | | |
| CAPROLACTAM | 10 | U | 10 | U | | | | | | |
| 4-CHLORO-3-METHYLPHENOL | 10 | U | 10 | U | | | | | | |
| 2-METHYLNAPHTHALENE | 10 | UJ | 10 | UJ | | | | | | |
| HEXACHLOROCYCLO-PENTADIENE | 10 | UJ | 10 | UJ | | | | | | |
| 2 4 6-TRICHLOROPHENOL | 10 | U | 10 | U | | | | | | |
| 2 4 5-TRICHLOROPHENOL | 25 | U | 25 | U | | | | | | |
| 1 1'-BIPHENYL | 10 | UJ | 10 | UJ | | | | | | |
| 2-CHLORONAPHTHALENE | 10 | U | 10 | U | | | | | | |
| 2-NITROANILINE | 25 | U | 25 | U | | | | | | |
| DIMETHYLPHTHALATE | 10 | U | 10 | U | | | | | | |
| 2 6-DINITROTOLUENE | 10 | U | 10 | U | | | | | | |
| ACENAPHTHYLENE | 10 | U | 10 | U | | | | | | |
| 3-NITROANILINE | 25 | U | 25 | U | | | | | | |
| ACENAPHTHENE | 10 | U | 10 | U | | | | | | |

## Analytical Results (Qualified Data)

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00S4 | | SBLKIL | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G106 | | | | | | | | | |
| Matrix : | Water | | Water | | | | | | | |
| Units : | ug/L | | ug/L | | | | | | | |
| Date Sampled : | 5/3/2005 | | | | | | | | | |
| Time Sampled : | 11:25 | | | | | | | | | |
| %Moisture : | N/A | | N/A | | | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | | 1.0 | | | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,4-DINITROPHENOL | 25 | R | 25 | R | | | | | | |
| 4-NITROPHENOL | 25 | UJ | 25 | UJ | | | | | | |
| DIBENZOFURAN | 10 | U | 10 | U | | | | | | |
| 2,4-DINITROTOLUENE | 10 | U | 10 | U | | | | | | |
| DIETHYLPHTHALATE | 10 | U | 10 | U | | | | | | |
| FLUORENE | 10 | U | 10 | U | | | | | | |
| 4-CHLOROPHENYL-PHENYL ETHER | 10 | U | 10 | U | | | | | | |
| 4-NITROANILINE | 25 | UJ | 25 | UJ | | | | | | |
| 4,6-DINITRO-2-METHYLPHENOL | 25 | U | 25 | U | | | | | | |
| N-NITROSO DIPHENYLAMINE | 10 | U | 10 | U | | | | | | |
| 4-BROMOPHENYL-PHENYLETHER | 10 | U | 10 | U | | | | | | |
| HEXACHLOROBENZENE | 10 | U | 10 | U | | | | | | |
| ATRAZINE | 10 | UJ | 10 | UJ | | | | | | |
| PENTACHLOROPHENOL | 25 | U | 25 | U | | | | | | |
| PHENANTHRENE | 10 | U | 10 | U | | | | | | |
| ANTHRACENE | 10 | U | 10 | U | | | | | | |
| CARBAZOLE | 10 | UJ | 10 | UJ | | | | | | |
| DI-N-BUTYLPHTHALATE | 10 | U | 10 | U | | | | | | |
| FLUORANTHENE | 10 | U | 10 | U | | | | | | |
| PYRENE | 10 | U | 10 | U | | | | | | |
| BUTYLBENZYLPHTHALATE | 10 | U | 10 | U | | | | | | |
| 3,3'-DICHLOROBENZIDINE | 10 | U | 10 | U | | | | | | |
| BENZO(A)ANTHRACENE | 10 | U | 10 | U | | | | | | |
| CHRYSENE | 10 | U | 10 | U | | | | | | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 10 | UJ | 10 | UJ | | | | | | |
| DI-N-OCTYLPHTHALATE | 10 | UJ | 10 | UJ | | | | | | |
| BENZO(B)FLUORANTHENE | 10 | U | 10 | U | | | | | | |
| BENZO(K)FLUORANTHENE | 10 | U | 10 | U | | | | | | |
| BENZO(A)PYRENE | 10 | U | 10 | U | | | | | | |
| INDENO(1,2,3-CD)-PYRENE | 10 | U | 10 | U | | | | | | |
| DIBENZO(A,H)-ANTHRACENE | 10 | U | 10 | U | | | | | | |
| BENZO(G,H,I)PERYLENE | 10 | U | 10 | U | | | | | | |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00R2 | | E00R2MS | | E00R2MSD | | E00R6 | | E00R7 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G101 | | G101 | | G101 | | G102 | | G103 | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | | 5/2/2005 | |
| Time Sampled : | 13:20 | | 13:20 | | 13:20 | | 16:05 | | 16:05 | |
| %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 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ |
| BETA-BHC | 0.050 | UJ | 0.015 | J | 0.014 | J | 0.050 | UJ | 0.050 | UJ |
| DELTA-BHC | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ |
| GAMMA-BHC (LINDANE) | 0.050 | UJ | 0.33 | J | 0.33 | J | 0.050 | UJ | 0.050 | UJ |
| HEPTACHLOR | 0.050 | UJ | 0.32 | J | 0.33 | J | 0.050 | UJ | 0.050 | UJ |
| ALDRIN | 0.050 | UJ | 0.31 | J | 0.32 | J | 0.050 | UJ | 0.050 | UJ |
| HEPTACHLOR EPOXIDE | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ |
| ENDOSULFAN I | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ |
| DIELDRIN | 0.10 | UJ | 0.67 | J | 0.68 | J | 0.10 | UJ | 0.10 | UJ |
| 4,4'-DDE | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ |
| ENDRIN | 0.10 | UJ | 0.75 | J | 0.76 | J | 0.10 | UJ | 0.10 | UJ |
| ENDOSULFAN II | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ |
| 4,4'-DDD | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ |
| ENDOSULFAN SULFATE | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ |
| 4,4'-DDT | 0.10 | UJ | 0.62 | J | 0.63 | J | 0.10 | UJ | 0.10 | UJ |
| METHOXYCHLOR | 0.50 | UJ | 0.50 | UJ | 0.50 | UJ | 0.50 | UJ | 0.50 | UJ |
| ENDRIN KETONE | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ |
| ENDRIN ALDEHYDE | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ |
| ALPHA-CHLORDANE | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ |
| GAMMA-CHLORDANE | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ |
| TOXAPHENE | 5.0 | UJ | 5.0 | UJ | 5.0 | UJ | 5.0 | UJ | 5.0 | UJ |
| AROCLOR-1016 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ |
| AROCLOR-1221 | 2.0 | UJ | 2.0 | UJ | 2.0 | UJ | 2.0 | UJ | 2.0 | UJ |
| AROCLOR-1232 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ |
| AROCLOR-1242 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ |
| AROCLOR-1248 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ |
| AROCLOR-1254 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ |
| AROCLOR-1260 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ |

## Analytical Results (Qualified Data)

Case #: 34166
SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | E00S0 | | E00S2 | | E00S3 | | E00S4 | | PBLKJG | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Location : | G104 | | FIELD BLANK | | G105 | | G106 | | | |
| Matrix : | Water | | Water | | Water | | Water | | Water | |
| Units : | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | 5/2/2005 | | 5/3/2005 | | 5/3/2005 | | 5/3/2005 | | | |
| Time Sampled : | 18:15 | | 10:05 | | 09:50 | | 11:25 | | | |
| %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 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| BETA-BHC | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| DELTA-BHC | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| GAMMA-BHC (LINDANE) | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| HEPTACHLOR | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| ALDRIN | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| HEPTACHLOR EPOXIDE | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| ENDOSULFAN I | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| DIELDRIN | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | U |
| 4,4'-DDE | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | U |
| ENDRIN | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | U |
| ENDOSULFAN II | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | U |
| 4,4'-DDD | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | U |
| ENDOSULFAN SULFATE | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | U |
| 4,4'-DDT | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | U |
| METHOXYCHLOR | 0.50 | UJ | 0.50 | UJ | 0.50 | UJ | 0.50 | UJ | 0.50 | U |
| ENDRIN KETONE | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | U |
| ENDRIN ALDEHYDE | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | UJ | 0.10 | U |
| ALPHA-CHLORDANE | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| GAMMA-CHLORDANE | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | UJ | 0.050 | U |
| TOXAPHENE | 5.0 | UJ | 5.0 | UJ | 5.0 | UJ | 5.0 | UJ | 5.0 | U |
| AROCLOR-1016 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | U |
| AROCLOR-1221 | 2.0 | UJ | 2.0 | UJ | 2.0 | UJ | 2.0 | UJ | 2.0 | U |
| AROCLOR-1232 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | U |
| AROCLOR-1242 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | U |
| AROCLOR-1248 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | U |
| AROCLOR-1254 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | U |
| AROCLOR-1260 | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | UJ | 1.0 | U |

**Analytical Results (Qualified Data)**

Case #: 34166 SDG : E00R2
Site : ACME STEEL COKE PLANT
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-15-2005

Number of Soil Samples : 0
Number of Water Samples : 8

| Sample Number : | PBLKSC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | | | | | | |
| ENDOSULFAN 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 | | | | | | | | |

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5/26/05

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Acme Steel Coke Plant, IL

CASE NUMBER: 34166 SDG NUMBER: EØØR2

Number and Type of Samples: 8 Water Samples

Sample Numbers: EØØR2, 6, 7; SØ-54

Laboratory: Compu Chem Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

CompuChem
a division of Liberty Analytical Corp.

ORIGINAL

**Sample Delivery Group (SDG)**
**Cover Sheet**

SDG Number E00R2

Laboratory Name CompuChem Laboratory Code LIBRTY

Contract No. 68W03021 Case No. 34166

Analysis Price $415.00 SDG Turnaround 21

EPA Sample Numbers in SDG (Listed in Numerical Order)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1) | E00R2 | 7) | E00S3 | 13) | | 19) | |
| 2) | E00R6 | 8) | E00S4 | 14) | | 20) | |
| 3) | E00R7 | 9) | | 15) | | 21) | |
| 4) | E00S0 | 10) | | 16) | | 22) | |
| 5) | E00S1 | 11) | | 17) | | 23) | |
| 6) | E00S2 | 12) | | 18) | | 24) | |

E00R2
First Sample in SDG

E00S4
Last Sample in SDG

5/6/2005
First Sample Receipt Date

5/6/2005
Last Sample Receipt Date

**Note**: There are a maximum of 20 **field** samples (excluding PE samples in an SDG. Attach TRs to this form in alphanumeric order (the order listed above on this form).

Signature Date 05/06/05

16

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

| | |
|---|---|
| Case No: | 34166 |
| DAS No: | |
| SDG No: | E00R2 |

L

| | |
|---|---|
| Date Shipped: | 5/5/2005 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210025623 |
| Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| James Ralph | 5/5/05 10:00 | Alice Evans | 05/06/05 09 15 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

Sampler Signature: Ken Corkill

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W03021 |
| Unit Price: | $415 |
| Transfer To: | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| E00R2 | Ground Water/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-217912 (Ice Only), 5-217913 (Ice Only), 5-217914 (Ice Only), 5-217915 (Ice Only), 5-217916 (Ice Only), 5-217917 (Ice Only), 5-217918 (HCL), 5-217919 (HCL), 5-217920 (HCL), 5-217921 (HCL), 5-217922 (HCL), 5-217923 (HCL) (12) | G101 | S: 5/2/2005 13:20 | ME00R2 | Good |

COPY

ORIGINAL DOCUMENTS INCLUDED IN CSF- E00R2

SIGNATURE J. Purdie DATE 5.9.05

| Shipment for Case Complete?Y | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: | Chain of Custody Seal Number: |
|---|---|---|---|---|
| | E00R2 | | 6° | 22669 |

| 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 5-314975591-050505-0001**

**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: | 34166 |
| DAS No: | |
| SDG No: | E00R2 |

L

| | |
|---|---|
| Date Shipped: | 5/5/2005 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210025632 |
| Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 James Balch | 5/5/05 10:00 | Alice Evans | 05/06/05 09:15 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

Sampler Signature: Ken Corkill

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W03021 |
| Unit Price: | #415 |
| Transfer To: | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| E00R6 | Ground Water/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-217931 (Ice Only), 5-217932 (Ice Only), 5-217933 (HCL), 5-217934 (HCL) (4) | G102 | S: 5/2/2005 16:05 | ME00R6 | Good |
| E00R7 | Ground Water/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-217937 (Ice Only), 5-217938 (Ice Only), 5-217939 (HCL), 5-217940 (HCL) (4) | G103 | S: 5/2/2005 16:05 | ME00R7 | |

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ORIGINAL DOCUMENTS INCLUDED IN CSF. E00R2

SIGNATURE J. Purdie DATE 5.9.05

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete?Y | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 6° | Chain of Custody Seal Number: 22670 |
| 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: 5-314975591-050505-0002**

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

| | |
|---|---|
| Case No: | 34166 |
| DAS No: | |
| SDG No: | E00R2 |

L

| | |
|---|---|
| Date Shipped: | 5/5/2005 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210025641 |
| Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| James Salch | 5/5/05 10:00 | Rhee Evans | 05/06/05 0915 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

Sampler Signature: Ken Corkill

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W03021 |
| Unit Price: | $415 |
| Transfer To: | |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| E00S0 | Ground Water/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-217944 (Ice Only), 5-217945 (Ice Only), 5-217946 (HCL), 5-217947 (HCL) (4) | G104 | S: 5/2/2005 | 18:15 | ME00S0 | Good |
| E00S1 | Ground Water/ Ken Corkill | L/G | VOA (21) | 5-217948 (HCL), 5-217949 (HCL) (2) | Trip Blank | S: 5/3/2005 | 9:15 | | |

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ORIGINAL DOCUMENTS INCLUDED IN CSF- E00R2

SIGNATURE J. Purdue DATE 5.9.05

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete?Y | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 5° | Chain of Custody Seal Number: 226608 |
| 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 5-314975591-050505-0003

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

**Case No:** 34166
**DAS No:**
**SDG No:** E00R2

L

| | |
|---|---|
| Date Shipped: | 5/5/2005 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210024428 |
| Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 |

**Chain of Custody Record**

Sampler Signature: [signature]

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 James Aalsh | 5/5/05 10:00 | Alice Evans | 05/06/05 09:15 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W03021 |
| Unit Price: | $415 |
| Transfer To: | |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| E00S2 | Ground Water/ Ken Corkill | L/G | BNA/PEST (21), VOA (21) | 5-217952 (Ice Only), 5-217953 (Ice Only), 5-217954 (HCL), 5-217955 (HCL) (4) | Field Blank | S: 5/3/2005 | 10:05 | ME00S2 | Good |
| E00S3 | Ground Water/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-217956 (Ice Only), 5-217957 (Ice Only), 5-217958 (HCL), 5-217959 (HCL) (4) | G105 | S: 5/3/2005 | 9:50 | ME00S3 | |

COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF- E00R2
SIGNATURE [signature] DATE 5.9.05

| Shipment for Case Complete?Y | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 6° | Chain of Custody Seal Number: 22690 |
|---|---|---|---|---|
| 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:** 5-314975591-050405-0002

**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:** 34166
**DAS No:**
**SDG No:** E00R2

L

21

| | |
|---|---|
| Date Shipped: | 5/5/2005 |
| Carrier Name: | UPS |
| Airbill: | 1Z6215892210025650 |
| Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 |

**Chain of Custody Record**

Sampler Signature: Ken Corkill

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 James Balch | 5/5/05 10:00 | Alice Evans | 05/06/05 0915 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | 68W03021 |
| Unit Price: | $415 |
| Transfer To: | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| E00S4 | Ground Water/ Ken Corkill | M/G | BNA/PEST (21), VOA (21) | 5-217961 (Ice Only), 5-217962 (Ice Only), 5-217963 (HCL), 5-217964 (HCL) (4) | G106 | S: 5/3/2005 11:25 | ME00S4 | SDG final sample Good |

COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF- E00R2
SIGNATURE J. Purdie DATE 5.9.05

| Shipment for Case Complete?Y | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: 5° | Chain of Custody Seal Number: 22689 |
|---|---|---|---|---|
| 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 5-314975591-050505-0004

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

# CompuChem

**a division of Liberty Analytical Corporation**
**501 Madison Avenue**
**Cary, N.C. 27513**
**Tel: 919/379-4100 Fax: 919/379-4050**


## SDG NARRATIVE

## CASE # 34166
## SDG # E00R2
## CONTRACT # 68W03021

**SAMPLE IDENTIFICATIONS: E00R2, E00R6, E00R7, E00S0, E00S1, E00S2, E00S3, E00S4**

The eight (8) water samples listed above were received intact, properly refrigerated at a temperature of 5 to 6°C, with proper documentation, in sealed shipping containers, on May 6, 2005. The samples were scheduled for the requested analyses of the volatile, semi volatile, and pesticide/PCB fractions.

The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3.

All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for Case # 34166, SDG # E00R2 are included in the sample data sections.

**Volatiles**

Analysis holding time requirements were met for all of these samples except the matrix spikes. They were analyzed one day outside of holding time. The pH values of these samples are tabulated on the attached batch sheets.

None of the samples in this SDG contained any compounds above the Contract Required Quantitation Limit (CRQL) except samples E00R2 and E00S3. Sample E00R2 contained benzene above the initial calibration range. It was reanalyzed at the appropriate dilution. Both sets of data have been reported and billed for. Tentatively Identified Compound (TIC)s were found in all of the samples. They were mainly unknowns.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds (SMC) met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria.

E00R2 was used as the original to prepare the duplicate matrix spikes. The associated duplicate matrix spikes met the majority of the precision and accuracy criteria.

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.

Susan W. Bass

Susan W. Bass
Senior Chemist
May 24, 2005

4

ALKANE NARRATIVE REPORT
Report date : 05/23/2005
SDG: E00R2

Client Sample ID: E00S0 Lab Sample ID: 651904 File ID: 651904A5

| Compound | RT | Est. Conc. | Q |
|---|---|---|---|
| Straight-Chain Alkane | 3.36 | 7 | J |

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## SDG NARRATIVE
## CASE # 34166
## SDG # E00R2
## CONTRACT # 68W03021

**SAMPLE IDENTIFICATIONS:**

| | | | | |
|---|---|---|---|---|
| **E00R2** | **E00R7** | **E00S2** | **E00S4** | **E00R6DL** |
| **E00R6** | **E00S0** | **E00S3** | | **E00R7DL** |

The seven aqueous samples listed above were for the requested analyses of the semivolatile fraction. The sample IDs with the DL suffix listed above are for the dilution analyses. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the semivolatile fraction only. For the receiving information associated with these samples, please refer to the volatile SDG narrative. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # E00R2 are included in the sample data sections.

**Semivolatiles**

Extraction and analysis holding time requirements were met for all of these samples.

The semivolatile target compound list (TCL) analyte naphthalene was identified above the Contract Required Quantitation Limit (CRQL) in samples E00R2, E00R6, and E00R7. Acenaphthene was identified above CRQL in sample E00S3. Tentatively Identified Compounds (TICs) were found in all of these samples. The TICs found in these samples could be characterized as indane, indene, methylbenzofuran, benzothiophene, dihydroindenone, methylnaphthalene, cyclic octaatomic sulfur, bicycloheptene, cyclopentathiapyran, chloromethylbenzene, siloxane, dimethylnaphthalene, acenaphtenone, bromacil, and unknowns. The TICs that were characterized as alkanes have been summarized on the Alkane Narrative Report that is located in the narrative section of the data package. The TIC spectra for the alkanes are located in the data section for the individual samples.

In sample E00S3, a TIC was identified as 2-methylnaphthalene, a TCL analyte. However, the retention times of this TIC did not compare well to the analyte retention times in the associated continuing calibration standard. The TIC has been left with that assessment name because the contract specifically states that TICs above 85% purity should be assessed as the CAS assessment (exempting alkanes), [page D-46/SVOA; section 11.1.2.5.6].

In the initial undiluted analysis of samples E00R6 and E00R7, the on-column amount of naphthalene exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration. The samples were reanalyzed at 2x and 3x dilution respectively in order to bring the on-column amount into range. We have reported and billed both analyses of these samples.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples.

All of the internal standards met response and retention time criteria in the analyses of these samples.

Sample E00R2 was used as the original to prepare duplicate matrix spikes as requested. With two exceptions, the associated duplicate matrix spikes met overall advisory accuracy and precision criteria. The recovery of 4-nitrophenol did not meet criteria in the MS and MSD.

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.

Elsie S. Byrd
Senior Scientist I
May 25, 2005

ALKANE NARRATIVE REPORT
Report date : 05/25/2005
SDG: E00R2

Client Sample ID: E00R2 Lab Sample ID: 651901 File ID: 651901A70

| ompound | RT | Est. Conc. | Q |
|---|---|---|---|
| :raight-Chain Alkane | 9.96 | 4 | J |

Client Sample ID: E00R6 Lab Sample ID: 651902 File ID: 651902A70

| ompound | RT | Est. Conc. | Q |
|---|---|---|---|
| traight-Chain Alkane | 9.94 | 3 | J |

Client Sample ID: E00R7 Lab Sample ID: 651903 File ID: 651903A70

| ompound | RT | Est. Conc. | Q |
|---|---|---|---|
| traight-Chain Alkane | 9.94 | 5 | J |

Client Sample ID: E00S0 Lab Sample ID: 651904 File ID: 651904A70

| ompound | RT | Est. Conc. | Q |
|---|---|---|---|
| traight-Chain Alkane | 9.94 | 5 | J |

Client Sample ID: E00S2 Lab Sample ID: 651906 File ID: 651906A70

| ompound | RT | Est. Conc. | Q |
|---|---|---|---|
| traight-Chain Alkane | 9.93 | 5 | J |

Client Sample ID: E00S3 Lab Sample ID: 651907 File ID: 651907A70

| ompound | RT | Est. Conc. | Q |
|---|---|---|---|
| traight-Chain Alkane | 9.94 | 3 | J |

Client Sample ID: E00S4 Lab Sample ID: 651908 File ID: 651908A70

| ompound | RT | Est. Conc. | Q |
|---|---|---|---|
| traight-Chain Alkane | 9.93 | 3 | J |

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**ry, N.C. 27513**
**l: 919/379-4100 Fax: 919/379-4050**

**SDG NARRATIVE**
**CASE # 34166**
**SDG # E00R2**
**CONTRACT # 68W03021**

**SAMPLE IDENTIFICATIONS: E00R2, E00R6, E00R7, E00S0, E00S2, E00S3, E00S4**

The seven water samples listed above were scheduled for the requested analysis of the pesticide/PCB fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW). Document OLM04.3. For receiving information associated with these samples, please refer to the GC/MS Volatile SDG narrative. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # E00R2 are included in the sample data sections.

**Pesticides/PCBs**

Extraction and analysis holding time requirements were met for all of the samples.

There were no pesticide or PCB analytes confirmed by dual column analysis above the Contract Required Quantitation Limit (CRQL) in the samples.

Manual quantitations were performed on one or more of the process files associated with this SDG, including several of the samples. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG. All of the surrogates met recovery and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria.

Sample E00R2 was used as the original to prepare the duplicate matrix spikes (MS/MSD) as requested. The associated duplicate matrix spikes met all recovery and precision criteria.

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.

Kerry S. Hinshaw
**Kerry S. Hinshaw**
Semivolatiles Manager
May 25, 2005

# DATA REPORTING QUALIFIERS

n the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data :porting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each ompound. The qualifiers used are:

J: This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J: This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N: This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P: In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than a 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue.

## DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged with a B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on the Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and all reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds that are not detected in the sample analysis i.e., compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e., the results from both analyses <u>are not combined</u> on a single Form I.

A : This flag indicates that a TIC is a suspected aldol-condensation product.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

| | EPA SAMPLE NO. | SMC1 (TOL) # | SMC2 (BFB) # | SMC3 (DCE) # | OTHER | TOT OUT |
|---|---|---|---|---|---|---|
| 01 | VBLKTK | 98 | 98 | 102 | | 0 |
| 02 | E00R2 | 96 | 100 | 112 | | 0 |
| 03 | E00R6 | 100 | 102 | 110 | | 0 |
| 04 | E00R7 | 100 | 100 | 108 | | 0 |
| 05 | E00S0 | 100 | 100 | 106 | | 0 |
| 06 | E00S1 | 100 | 106 | 110 | | 0 |
| 07 | E00S2 | 100 | 100 | 108 | | 0 |
| 08 | E00S3 | 100 | 100 | 108 | | 0 |
| 09 | VBLKXD | 100 | 96 | 102 | | 0 |
| 10 | E00R2DL | 100 | 98 | 106 | | 0 |
| 11 | E00S4 | 100 | 96 | 104 | | 0 |
| 12 | VBLKYM | 98 | 102 | 104 | | 0 |
| 13 | E00R2MS | 100 | 102 | 110 | | 0 |
| 14 | E00R2MSD | 100 | 102 | 112 | | 0 |
| 15 | VBLKBP | 96 | 96 | 104 | | 0 |
| 16 | VHBLKZH | 100 | 96 | 112 | | 0 |
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| | | 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

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix Spike - EPA Sample No.: E00R2

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50 | 0 | 47 | 94 | 61-145 |
| Trichloroethene | 50 | 0 | 51 | 102 | 71-120 |
| Benzene | 50 | 820 | 890 | 140* | 76-127 |
| Toluene | 50 | 11 | 65 | 108 | 76-125 |
| Chlorobenzene | 50 | 0 | 55 | 110 | 75-130 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50 | 49 | 98 | 4 | 14 | 61-145 |
| Trichloroethene | 50 | 51 | 102 | 0 | 14 | 71-120 |
| Benzene | 50 | 870 | 100 | 33* | 11 | 76-127 |
| Toluene | 50 | 65 | 108 | 0 | 13 | 76-125 |
| Chlorobenzene | 50 | 54 | 108 | 2 | 13 | 75-130 |

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

* Values outside of QC limits

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

COMMENTS:

FORM III VOA-1 OLM04.2

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKBP

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Lab File ID: 68869A59 Lab Sample ID: 68869

Date Analyzed: 05/18/05 Time Analyzed: 1113

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP59

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | VHBLKZH | 646117 | 646117A59 | 1246 |
| 02 | | | | |
| 03 | | | | |
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COMMENTS:

Page 1 of 1

FORM IV VOA OLM04.2

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKTK

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Lab File ID: 67947A59 Lab Sample ID: 67947

Date Analyzed: 05/11/05 Time Analyzed: 0911

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP59

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E00R2 | 651901 | 651901A59 | 1652 |
| 02 | E00R6 | 651902 | 651902A59 | 1720 |
| 03 | E00R7 | 651903 | 651903A59 | 1748 |
| 04 | E00S0 | 651904 | 651904A59 | 1816 |
| 05 | E00S1 | 651905 | 651905A59 | 1844 |
| 06 | E00S2 | 651906 | 651906A59 | 1913 |
| 07 | E00S3 | 651907 | 651907A59 | 1941 |
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COMMENTS:

Page 1 of 1

FORM IV VOA OLM04.2

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Lab File ID: 68576B59 Lab Sample ID: 68576

Date Analyzed: 05/11/05 Time Analyzed: 2312

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP59

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E00R2DL | 651901 | 651901DB59 | 0052 |
| 02 | E00S4 | 651908 | 651908B59 | 0120 |
| 03 | | | | |
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COMMENTS:



FORM IV VOA OLM04.2

4A

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKYM

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Lab File ID: 68693A59 Lab Sample ID: 68693

Date Analyzed: 05/17/05 Time Analyzed: 0929

GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP59

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | E00R2MS | 68579 | 68579A59 | 1140 |
| 02 | E00R2MSD | 68580 | 68580A59 | 1208 |
| 03 | | | | |
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COMMENTS:



FORM IV VOA OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651901A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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 | 1 | J |
| 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-Dichlcroethene | 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 | 820 | E |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651901A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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 | 11 | |
| 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 | 78 | |
| 1330-20-7 | Xylene (Total) | 28 | |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | |
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00R2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651901A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 3.45 | 6 | ~~JB~~ |
| 2. | UNKNOWN | 4.33 | 21 | J |
| 3. 496-11-7 | INDANE | 14.64 | 100 | NJ |
| 4. 95-13-6 | INDENE | 14.85 | 14 | NJ |
| 5. 17059-52-8 | BENZOFURAN, 7-METHYL- | 15.38 | 6 | NJ |
| 6. 95-15-8 | BENZO[B]THIOPHENE | 16.81 | 5 | NJ |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651901DB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/12/05

GC Column: ZB624 ID: 0.32 (mm) Dilution Factor: 10.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 100 | U |
| 74-87-3 | Chloromethane | 100 | U |
| 75-01-4 | Vinyl Chloride | 100 | U |
| 74-33-9 | Bromomethane | 100 | U |
| 75-00-3 | Chloroethane | 100 | U |
| 75-69-4 | Trichlorofluoromethane | 100 | U |
| 75-35-4 | 1,1-Dichloroethene | 100 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 100 | U |
| 67-64-1 | Acetone | 100 | U |
| 75-15-0 | Carbon Disulfide | 100 | U |
| 79-20-9 | Methyl Acetate | 100 | U |
| 75-09-2 | Methylene Chloride | 110 | DBU |
| 156-60-5 | trans-1,2-Dichloroethene | 100 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 100 | U |
| 75-34-3 | 1,1-Dichloroethane | 100 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 100 | U |
| 78-93-3 | 2-Butanone | 100 | U |
| 67-66-3 | Chloroform | 100 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 100 | U |
| 110-82-7 | Cyclohexane | 100 | U |
| 56-23-5 | Carbon Tetrachloride | 100 | U |
| 71-43-2 | Benzene | 970 | D |
| 107-06-2 | 1,2-Dichloroethane | 100 | U |

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651901DB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/12/05

GC Column: ZB624 ID: 0.32 (mm) Dilution Factor: 10.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 79-01-6 | Trichloroethene | 100 | U |
| 108-87-2 | Methylcyclohexane | 100 | U |
| 78-87-5 | 1,2-Dichloropropane | 100 | U |
| 75-27-4 | Bromodichloromethane | 100 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 100 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | U |
| 108-88-3 | Toluene | 22 | DJ |
| 10061-02-6 | trans-1,3-Dichloropropene | 100 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 100 | U |
| 127-18-4 | Tetrachloroethene | 100 | U |
| 591-78-6 | 2-Hexanone | 100 | U |
| 124-48-1 | Dibromochloromethane | 100 | U |
| 106-93-4 | 1,2-Dibromoethane | 100 | U |
| 108-90-7 | Chlorobenzene | 100 | U |
| 100-41-4 | Ethylbenzene | 86 | DJ |
| 1330-20-7 | Xylene (Total) | 32 | DJ |
| 100-42-5 | Styrene | 100 | U |
| 75-25-2 | Bromoform | 100 | U |
| 98-82-8 | Isopropylbenzene | 100 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 100 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 100 | U |

1F

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00R2DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651901DB59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/12/05

GC Column: ZB624 ID: 0.32 (mm) Dilution Factor: 10.0

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | LABORATORY ARTIFACT | 3.45 | 17000 | JBD✓ |
| 2. 496-11-7 | INDANE | 14.64 | 110 | NJD |
| 3. 95-13-6 | INDENE | 14.85 | 53 | NJD |
| 4. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68579

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68579A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: ZB624 ID: 0.32 (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 | 47 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | J |
| 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 | 2 | J |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 71-43-2 | Benzene | 890 | E |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68579

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68579A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: ZB624 ID: 0.32 (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 | 51 | |
| 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 | 65 | |
| 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 | 55 | |
| 100-41-4 | Ethylbenzene | 85 | |
| 1330-20-7 | Xylene (Total) | 31 | |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 11 | |
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68580

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68580A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: ZB624 ID: 0.32 (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 | 49 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | J |
| 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 |
| [illegible]-82-7 | Cyclohexane | 2 | J |
| [illegible]-23-5 | Carbon Tetrachloride | 10 | U |
| [illegible]-43-2 | Benzene | 870 | E |
| [illegible]-06-2 | 1,2-Dichloroethane | 10 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68580

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68580A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: ZB624 ID: 0.32 (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 | 51 | |
| 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 | 65 | |
| 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 | 54 | |
| 100-41-4 | Ethylbenzene | 82 | |
| 1330-20-7 | Xylene (Total) | 30 | |
| 100-42-5 | Styrene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 98-82-8 | Isopropylbenzene | 10 | |
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651902A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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 | 7 | J |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651902A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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) | 0.7 | J |
| 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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00R6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651902A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 3.45 | 12 | ~~JB~~ 4 |
| 2. | UNKNOWN | 4.34 | 10 | J |
| 3. 95-15-8 | BENZO[B]THIOPHENE | 16.81 | 7 | NJ |
| 4. | | | | |
| 5. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651903

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651903A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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 | 7 | J |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R7

Matrix: (soil/water) WATER Lab Sample ID: 651903

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651903A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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) | 0.7 | J |
| 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

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00R7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651903

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651903A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 75-45-6 | METHANE, CHLORODIFLUORO- | 3.45 | 21 | NJ |
| 2. | UNKNOWN | 4.35 | 14 | J |
| 3. | UNKNOWN | 8.04 | ~~5~~ | ~~J~~ U |
| 4. 270-82-6 | BENZO[C]THIOPHENE | 16.81 | 8 | NJ |
| 5. | | | | |
| 6. | | | | JT |
| 7. | | | | 6 15-5 |
| 8. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651904

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651904A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651904

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651904A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651904

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651904A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 75-45-6 | METHANE, CHLORODIFLUORO- | 3.45 | 21 | NJ |
| 2. | UNKNOWN | 3.99 | 5 | J |
| 3. | UNKNOWN | 8.04 | ~~6~~ | ~~J~~ U |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S1

Lab Name: COMPUCHEM Contract: 68W03021

Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651905

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651905A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651905

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651905A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651905

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651905A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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. 75-45-6 | METHANE, CHLORODIFLUORO- | 3.46 | 22 | NJ |
| 2. | UNKNOWN | 8.03 | ~~6~~ ~~J~~ 4 | |
| 3. | | | | |
| 4. | | | | 8J |
| 5. | | | | |
| 6. | | | | 6-15-J |
| 7. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651906

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651906A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651906

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651906A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651906

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651906A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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. | UNKNOWN | 3.45 | 18 | ~~JB~~ U |
| 2. | UNKNOWN | 8.04 | ~~5~~ | ~~J~~ U |
| 3. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651907

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651907A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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 | 2 | J |
| 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 | 11 | |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651907

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651907A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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 | 1 | 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 | 0.9 | J |
| 1330-20-7 | Xylene (Total) | 7 | J |
| 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-Trichloroberzene | 10 | U |

1F

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651907

Sample wt/vol: 5 (g/mL) ML . Lab File ID: 651907A59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 3.30 | 20 | J |
| 2. | UNKNOWN | 3.36 | 90 | JB |
| 3. 75-45-6 | METHANE, CHLORODIFLUORO- | 3.45 | 37 | NJ |
| 4. | UNKNOWN | 4.34 | 33 | J |
| 5. | UNKNOWN | 8.03 | ~~6~~ | ~~J~~ 4 |
| 6. 95-49-8 | BENZENE, 1-CHLORO-2-METHYL- | 13.68 | 14 | NJ |
| 7. 496-11-7 | INDANE | 14.64 | 24 | NJ |
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| 9. | | | | 5T |
| 10. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651908

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651908B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/12/05

GC Column: ZB624 ID: 0.32 (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 | 6 | 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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651908

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651908B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/12/05

GC Column: ZB624 ID: 0.32 (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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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651908

Sample wt/vol: 5 (g/mL) ML Lab File ID: 651908B59

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: not dec. _____ Date Analyzed: 05/12/05

GC Column: ZB624 ID: 0.32 (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/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | LABORATORY ARTIFACT | 3.45 | 21 | JB |
| 2. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBP

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68869

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68869A59

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

% Moisture: not dec. _____ Date Analyzed: 05/18/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBP

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68869

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68869A59

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

% Moisture: not dec. _____ Date Analyzed: 05/18/05

GC Column: ZB624 ID: 0.32 (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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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKBP

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68869

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68869A59

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

% Moisture: not dec. _____ Date Analyzed: 05/18/05

GC Column: ZB624 ID: 0.32 (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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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKTK

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 67947

Sample wt/vol: 5 (g/mL) ML Lab File ID: 67947A59

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

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKTK

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 67947

Sample wt/vol: 5 (g/mL) ML Lab File ID: 67947A59

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

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKTK

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R

Matrix: (soil/water) WATER Lab Sample ID: 67947

Sample wt/vol: 5 (g/mL) ML Lab File ID: 67947A59

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

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 3.44 | 9 | J |
| 2. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68576

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68576B59

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

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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 | 3 | 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 |

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68576

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68576B59

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

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68576

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68576B59

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

% Moisture: not dec. _____ Date Analyzed: 05/11/05

GC Column: ZB624 ID: 0.32 (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/L

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | LABORATORY ARTIFACT | 3.45 | 53 | J |
| 2. | | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKYM

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68693

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68693A59

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

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKYM

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68693

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68693A59

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

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: ZB624 ID: 0.32 (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

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKYM

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68693

Sample wt/vol: 5 (g/mL) ML Lab File ID: 68693A59

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

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: ZB624 ID: 0.32 (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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| 3. | | | | |
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKZH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 646117

Sample wt/vol: 5 (g/mL) ML Lab File ID: 646117A59

Level: (low/med) LOW Date Received: 05/04/05

% Moisture: not dec. _____ Date Analyzed: 05/18/05

GC Column: ZB624 ID: 0.32 (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
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKZH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 646117

Sample wt/vol: 5 (g/mL) ML Lab File ID: 646117A59

Level: (low/med) LOW Date Received: 05/04/05

% Moisture: not dec. _____ Date Analyzed: 05/18/05

GC Column: ZB624 ID: 0.32 (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

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKZH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 646117

Sample wt/vol: 5 (g/mL) ML Lab File ID: 646117A59

Level: (low/med) LOW Date Received: 05/04/05

% Moisture: not dec. _____ Date Analyzed: 05/18/05

GC Column: ZB624 ID: 0.32 (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/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 8.03 | 6 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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FORM I VOA-TIC OLM04.2

2C
# WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

| | EPA SAMPLE NO. | S1 (NBZ) # | S2 (FBP) # | S3 (TPH) # | S4 (PHL) # | S5 (2FP) # | S6 (TBP) # | S7 (2CP) # | S8 (DCB) # | TOT OUT |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | SBLKIL | 56 | 58 | 88 | 57 | 60 | 80 | 61 | 56 | 0 |
| 02 | E00R2 | 64 | 64 | 68 | 68 | 65 | 99 | 71 | 60 | 0 |
| 03 | E00R2MS | 64 | 66 | 70 | 72 | 69 | 95 | 76 | 64 | 0 |
| 04 | E00R2MSD | 56 | 56 | 60 | 61 | 57 | 89 | 64 | 52 | 0 |
| 05 | E00R6 | 50 | 52 | 44 | 56 | 56 | 77 | 59 | 48 | 0 |
| 06 | E00R7 | 50 | 52 | 42 | 53 | 53 | 73 | 55 | 46 | 0 |
| 07 | E00S0 | 54 | 58 | 54 | 57 | 57 | 81 | 59 | 50 | 0 |
| 08 | E00S2 | 66 | 62 | 88 | 68 | 68 | 88 | 71 | 60 | 0 |
| 09 | E00S3 | 50 | 48 | 56 | 56 | 59 | 68 | 60 | 50 | 0 |
| 10 | E00S4 | 50 | 50 | 40 | 55 | 59 | 65 | 59 | 44 | 0 |
| 11 | E00R6DL | 60 | 68 | 56 | 63 | 65 | 81 | 64 | 52 | 0 |
| 12 | E00R7DL | 58 | 64 | 52 | 60 | 59 | 71 | 60 | 48 | 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

3C

# WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix Spike - EPA Sample No.: E00R2

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| Phenol | 75 | 9 | 66 | 76 | 12-110 |
| 2-Chlorophenol | 75 | 0 | 59 | 79 | 27-123 |
| N-Nitroso-di-n-prop.(1) | 50 | 0 | 36 | 72 | 41-116 |
| 4-Chloro-3-methylphenol | 75 | 0 | 57 | 76 | 23- 97 |
| Acenaphthene | 50 | 9 | 44 | 70 | 46-118 |
| 4-Nitrophenol | 75 | 0 | 72 | 96* | 10- 80 |
| 2,4-Dinitrotoluene | 50 | 0 | 40 | 80 | 24- 96 |
| Pentachlorophenol | 75 | 0 | 57 | 76 | 9-103 |
| Pyrene | 50 | 3 | 43 | 80 | 26-127 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Phenol | 75 | 57 | 64 | 17 | 42 | 12-110 |
| 2-Chlorophenol | 75 | 52 | 69 | 14 | 40 | 27-123 |
| N-Nitroso-di-n-prop.(1) | 50 | 31 | 62 | 15 | 38 | 41-116 |
| 4-Chloro-3-methylphenol | 75 | 51 | 68 | 11 | 42 | 23- 97 |
| Acenaphthene | 50 | 41 | 64 | 9 | 31 | 46-118 |
| 4-Nitrophenol | 75 | 66 | 88* | 9 | 50 | 10- 80 |
| 2,4-Dinitrotoluene | 50 | 37 | 74 | 8 | 38 | 24- 96 |
| Pentachlorophenol | 75 | 52 | 69 | 10 | 50 | 9-103 |
| Pyrene | 50 | 39 | 72 | 11 | 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: _____

FORM III SV-1 OLM04.2

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKIL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Lab File ID: 68242JA70 Lab Sample ID: 68242

Instrument ID: 5972HP70 Date Extracted: 05/06/05

Matrix: (soil/water) WATER Date Analyzed: 05/09/05

Level:(low/med) LOW Time Analyzed: 1108

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|---|
| 01 | E00R2 | 651901 | 651901A70 | 05/09/05 |
| 02 | E00R2MS | 68243 | 68243A70 | 05/09/05 |
| 03 | E00R2MSD | 68244 | 68244A70 | 05/09/05 |
| 04 | E00R6 | 651902 | 651902A70 | 05/09/05 |
| 05 | E00R7 | 651903 | 651903A70 | 05/09/05 |
| 06 | E00S0 | 651904 | 651904A70 | 05/09/05 |
| 07 | E00S2 | 651906 | 651906A70 | 05/09/05 |
| 08 | E00S3 | 651907 | 651907A70 | 05/09/05 |
| 09 | E00S4 | 651908 | 651908A70 | 05/09/05 |
| 10 | E00R6DL | 651902DL | 651902DA70 | 05/10/05 |
| 11 | E00R7DL | 651903DL | 651903DA70 | 05/10/05 |
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COMMENTS:

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651901A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

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

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 9 | J |
| 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 | 39 | |
| 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 | 2 | J |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 9 | J |

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651901A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ 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 | 5 | J |
| 129-00-0 | Pyrene | 3 | J |
| 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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00R2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651901A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 28

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 496-11-7 | INDANE | 8.85 | 55 | NJ |
| 2. 95-13-6 | INDENE | 9.04 | 26 | NJ |
| 3. 17059-52-8 | BENZOFURAN, 7-METHYL- | 10.08 | 7 | NJ |
| 4. 17059-52-8 | BENZOFURAN, 7-METHYL- | 10.18 | 4 | NJ |
| 5. 270-82-6 | BENZO[C]THIOPHENE | 11.55 | 6 | NJ |
| 6. 83-33-0 | 1H-INDEN-1-ONE, 2,3-DIHYDRO- | 12.57 | 2 | NJ |
| 7. 90-12-0 | NAPHTHALENE, 1-METHYL- | 12.88 | 5 | NJ |
| 8. | UNKNOWN | 16.03 | 4 | J |
| 9. | UNKNOWN | 16.12 | 2 | J |
| 10. | UNKNOWN | 16.55 | 3 | J |
| 11. | UNKNOWN | 16.57 | 3 | J |
| 12. | UNKNOWN | 16.71 | 3 | J |
| 13. | UNKNOWN | 16.78 | 2 | J |
| 14. | UNKNOWN | 16.85 | 9 | J |
| 15. 10544-50-0 | CYCLIC OCTAATOMIC SULFUR | 16.93 | 4 | NJ |
| 16. | UNKNOWN | 16.99 | 2 | J |
| 17. | UNKNOWN | 17.11 | 3 | J |
| 18. | UNKNOWN | 17.19 | 4 | J |
| 19. | UNKNOWN | 17.23 | 3 | J |
| 20. | UNKNOWN | 17.27 | 3 | J |
| 21. | UNKNOWN | 17.32 | 4 | J |
| 22. | UNKNOWN | 17.38 | 2 | J |
| 23. | UNKNOWN | 17.41 | 5 | J |
| 24. | UNKNOWN | 17.43 | 7 | J |
| 25. 10544-50-0 | CYCLIC OCTAATOMIC SULFUR | 17.50 | 13 | NJ |
| 26. | UNKNOWN | 17.68 | 6 | J |
| 27. | UNKNOWN | 17.75 | 4 | J |
| 28. | UNKNOWN | 17.99 | 2 | J |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68243

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 68243A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ 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 | 66 | |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 59 | |
| 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 | 36 | |
| 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 | 39 | |
| 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 | 57 | |
| 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 | 2 | J |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 44 | |

1D

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68243

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 68243A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

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

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 25 | U |
| 100-02-7 | 4-Nitrophenol | 72 | |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 40 | |
| 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 | 57 | |
| 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 | 5 | J |
| 129-00-0 | Pyrene | 43 | |
| 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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68244

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 68244A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ 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 | 57 | |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 52 | |
| 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 | 31 | |
| 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 | 37 | |
| 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 | 51 | |
| 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 | 2 | J |
| 99-09-2 | 3-Nitroaniline | 25 | U |
| 83-32-9 | Acenaphthene | 41 | |

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68244

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 68244A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ 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 | 66 | |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 37 | |
| 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 | 52 | |
| 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 | 5 | J |
| 129-00-0 | Pyrene | 39 | |
| 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 | 12 | |
| 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

FORM I SV-2 OLM04.2

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651902A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ 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 | 85 | E |
| 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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651902A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ 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 | 7 | J |
| 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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00R6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651902A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 95-13-6 | INDENE | 9.02 | 2 | NJ |
| 2. 270-82-6 | BENZO[C]THIOPHENE | 11.53 | 5 | NJ |
| 3. 615-16-7 | 2H-BENZIMIDAZOL-2-ONE, 1,3-D | 16.19 | 3 | NJ |
| 4. 115-28-6 | BICYCLO[2.2.1]HEPT-5-ENE-2,3 | 17.35 | 3 | NJ |
| 5. | UNKNOWN | 25.05 | 3 | J |
| 6. | | | | |
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FORM I SV-TIC OLM04.2

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R6DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651902DA70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/10/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____ 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 | 20 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 20 | U |
| 95-57-8 | 2-Chlorophenol | 20 | U |
| 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 | 20 | U |
| 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 | 130 | D |
| 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 | 20 | U |
| 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 | 20 | U |

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R6DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651902DA70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/10/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____ 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 | 50 | U |
| 132-64-9 | Dibenzofuran | 20 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 20 | U |
| 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 | 50 | U |
| 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 | 20 | U |
| 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 | 10 | DJ |
| 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

1G

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00R6DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651902DA70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/10/05

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ___ 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. 95-15-8 | BENZO[B]THIOPHENE | 11.50 | 7 | NJD |
| 2. 115-28-6 | BICYCLO[2.2.1]HEPT-5-ENE-2,3 | 17.32 | 6 | NJD |
| 3. | UNKNOWN | 24.97 | 5 | JD |
| 4. | | | | |
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FORM I SV-TIC OLM04.2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651903

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651903A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ 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 | 93 | E |
| 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
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651903

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651903A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00R7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651903

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651903A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 95-13-6 | INDENE | 9.02 | 2 | NJ |
| 2. 95-15-8 | BENZO[B]THIOPHENE | 11.54 | 7 | NJ |
| 3. | UNKNOWN | 16.19 | 3 | J |
| 4. | UNKNOWN | 17.36 | 3 | J |
| 5. | UNKNOWN | 25.04 | 3 | J |
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FORM I SV-TIC OLM04.2

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R7DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651903DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651903DA70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/10/05

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 30 | U |
| 108-95-2 | Phenol | 30 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 30 | U |
| 95-57-8 | 2-Chlorophenol | 30 | U |
| 95-48-7 | 2-Methylphenol | 30 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 30 | U |
| 98-86-2 | Acetophenone | 30 | U |
| 06-44-5 | 4-Methylphenol | 30 | U |
| 21-64-7 | N-Nitroso-di-n-propylamine | 30 | U |
| 67-72-1 | Hexachloroethane | 30 | U |
| 98-95-3 | Nitrobenzene | 30 | U |
| 78-59-1 | Isophorone | 30 | U |
| 88-75-5 | 2-Nitrophenol | 30 | U |
| 105-67-9 | 2,4-Dimethylphenol | 30 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 30 | U |
| 120-83-2 | 2,4-Dichlorophenol | 30 | U |
| 91-20-3 | Naphthalene | 150 | D |
| 106-47-8 | 4-Chloroaniline | 30 | U |
| 87-68-3 | Hexachlorobutadiene | 30 | U |
| 105-60-2 | Caprolactam | 30 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 30 | U |
| 91-57-6 | 2-Methylnaphthalene | 30 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 30 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 30 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 75 | U |
| 92-52-4 | 1,1'-Biphenyl | 30 | U |
| 91-58-7 | 2-Chloronaphthalene | 30 | U |
| 88-74-4 | 2-Nitroaniline | 75 | U |
| 131-11-3 | Dimethylphthalate | 30 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 30 | U |
| 208-96-8 | Acenaphthylene | 30 | U |
| 99-09-2 | 3-Nitroaniline | 75 | U |
| 83-32-9 | Acenaphthene | 30 | U |

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R7DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651903DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651903DA70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/10/05

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 75 | U |
| 100-02-7 | 4-Nitrophenol | 75 | U |
| 132-64-9 | Dibenzofuran | 30 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 30 | U |
| 84-66-2 | Diethylphthalate | 30 | U |
| 86-73-7 | Fluorene | 30 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 30 | U |
| 100-01-6 | 4-Nitroaniline | 75 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 75 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 30 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 30 | U |
| 118-74-1 | Hexachlorobenzene | 30 | U |
| 1912-24-9 | Atrazine | 30 | U |
| 87-86-5 | Pentachlorophenol | 75 | U |
| 85-01-8 | Phenanthrene | 30 | U |
| 120-12-7 | Anthracene | 30 | U |
| 86-74-8 | Carbazole | 30 | U |
| 84-74-2 | Di-n-butylphthalate | 30 | U |
| 206-44-0 | Fluoranthene | 30 | U |
| 129-00-0 | Pyrene | 30 | U |
| 85-68-7 | Butylbenzylphthalate | 30 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 30 | U |
| 56-55-3 | Benzo(a)anthracene | 30 | U |
| 218-01-9 | Chrysene | 30 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 30 | U |
| 117-84-0 | Di-n-octylphthalate | 30 | U |
| 205-99-2 | Benzo(b)fluoranthene | 30 | U |
| 207-08-9 | Benzo(k)fluoranthene | 30 | U |
| 50-32-8 | Benzo(a)pyrene | 30 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 30 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 30 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 30 | U |

(1) - Cannot be separated from Diphenylamine

1G

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00R7DL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651903DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651903DA70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/10/05

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: ___ 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. 270-63-3 | CYCLOPENTA[C]THIAPYRAN | 11.51 | 9 | NJD |
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FORM I SV-TIC OLM04.2

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651904

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651904A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651904

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651904A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R

Matrix: (soil/water) WATER Lab Sample ID: 651904

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651904A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 115-28-6 | BICYCLO[2.2.1]HEPT-5-ENE-2,3 | 17.36 | 5 | NJ |
| 2. 10544-50-0 | CYCLIC OCTAATOMIC SULFUR | 17.45 | 2 | NJ |
| 3. | | | | |
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FORM I SV-TIC OLM04.2

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651906A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R

Matrix: (soil/water) WATER Lab Sample ID: 651906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651906A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651906A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ 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. | | | | |
| 3. | | | | |
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FORM I SV-TIC OLM04.2

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651907

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651907A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

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

| CAS NO. | COMPOUND | | 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 | 18 | |

1D

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651907

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651907A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ 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 | 9 | J |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 86-73-7 | Fluorene | 8 | J |
| 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 | 7 | J |
| 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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651907

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651907A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 24

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 95-49-8 | BENZENE, 1-CHLORO-2-METHYL- | 7.29 | 4 | NJ |
| 2. 496-11-7 | INDANE | 8.81 | 11 | NJ |
| 3. 541-02-6 | CYCLOPENTASILOXANE, DECAMETH | 10.74 | 3 | NJ |
| 4. 270-82-6 | BENZO[C]THIOPHENE | 11.53 | 3 | NJ |
| 5. | UNKNOWN | 11.84 | 14 | J |
| 6. | UNKNOWN | 11.92 | 4 | J |
| 7. 4565-32-6 | BENZO[B]THIOPHENE, 2,3-DIHYD | 12.29 | 3 | NJ |
| 8. | UNKNOWN | 12.42 | 8 | J |
| 9. | UNKNOWN | 12.60 | 2 | J |
| 10. 91-57-6 | NAPHTHALENE, 2-METHYL- | 12.86 | 3 | NJ |
| 11. | UNKNOWN | 13.14 | 5 | J |
| 12. | UNKNOWN | 13.39 | 2 | J |
| 13. | UNKNOWN | 13.71 | 6 | J |
| 14. 581-40-8 | NAPHTHALENE, 2,3-DIMETHYL- | 13.81 | 2 | NJ |
| 15. | UNKNOWN | 14.01 | 3 | J |
| 16. | UNKNOWN | 14.12 | 3 | J |
| 17. | UNKNOWN | 14.74 | 2 | J |
| 18. | UNKNOWN | 15.28 | 2 | J |
| 19. 0-00-0 | ACENAPHTHENONE | 15.57 | 2 | NJ |
| 20. | UNKNOWN | 16.15 | 2 | J |
| 21. | UNKNOWN | 16.69 | 3 | J |
| 22. | UNKNOWN | 16.82 | 4 | J |
| 23. 10544-50-0 | CYCLIC OCTAATOMIC SULFUR | 17.42 | 300 | NJ |
| 24. 10544-50-0 | CYCLIC OCTAATOMIC SULFUR | 17.46 | 190 | NJ |
| 25. | | | | |
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FORM I SV-TIC OLM04.2

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651908

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651908A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ 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
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651908

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651908A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00S4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651908

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 651908A70

Level: (low/med) LOW Date Received: 05/06/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 7

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 7.21 | 4 | J |
| 2. | UNKNOWN | 13.65 | 2 | J |
| 3. | UNKNOWN | 13.76 | 3 | J |
| 4. 314-40-9 | BROMACIL | 17.30 | 4 | NJ |
| 5. | UNKNOWN | 17.74 | 2 | J |
| 6. | UNKNOWN | 19.13 | 2 | J |
| 7. | UNKNOWN | 19.32 | 2 | J |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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FORM I SV-TIC OLM04.2

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKIL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R

Matrix: (soil/water) WATER Lab Sample ID: 68242

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 68242JA70

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKIL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68242

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 68242JA70

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKIL

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R

Matrix: (soil/water) WATER Lab Sample ID: 68242

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 68242JA70

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

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ 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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| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC OLM04.2

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

GC Column(1): CLPEST ID: 0.53(mm) GC Column(2): CLPEST2 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 | PBLKJG | 95 | 90 | 100 | 105 | | | 0 |
| 02 | E00R6 | 105 | 95 | 90 | 100 | | | 0 |
| 03 | E00R7 | 90 | 95 | 85 | 95 | | | 0 |
| 04 | E00S2 | 85 | 85 | 95 | 95 | | | 0 |
| 05 | PBLKSC | 113 | 115 | 118 | 118 | | | 0 |
| 06 | E00R2MS | 90 | 80 | 85 | 80 | | | 0 |
| 07 | E00R2MSD | 85 | 80 | 85 | 80 | | | 0 |
| 08 | E00R2 | 95 | 100 | 110 | 100 | | | 0 |
| 09 | E00S0 | 85 | 90 | 95 | 95 | | | 0 |
| 10 | E00S3 | 125 | 90 | 70 | 70 | | | 0 |
| 11 | E00S4 | 80 | 70 | 70 | 75 | | | 0 |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
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| 28 | | | | | | | | |
| 29 | | | | | | | | |
| 30 | | | | | | | | |

| | | QC LIMITS |
|---|---|---|
| TCX | = Tetrachloro-m-xylene | (30-150) |
| DCB | = Decachlorobiphenyl | (30-150) |

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

3E

# WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix Spike - EPA Sample No.: E00R2

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC. LIMITS REC. |
|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 0.50 | 0.0 | 0.33 | 66 | 56-123 |
| Heptachlor | 0.50 | 0.0 | 0.32 | 64 | 40-131 |
| Aldrin | 0.50 | 0.0 | 0.31 | 62 | 40-120 |
| Dieldrin | 1.0 | 0.0 | 0.67 | 67 | 52-126 |
| Endrin | 1.0 | 0.0 | 0.75 | 75 | 56-121 |
| 4,4'-DDT | 1.0 | 0.0 | 0.62 | 62 | 38-127 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| gamma-BHC (Lindane) | 0.50 | 0.33 | 66 | 0 | 15 | 56-123 |
| Heptachlor | 0.50 | 0.33 | 66 | 3 | 20 | 40-131 |
| Aldrin | 0.50 | 0.32 | 64 | 3 | 22 | 40-120 |
| Dieldrin | 1.0 | 0.68 | 68 | 1 | 18 | 52-126 |
| Endrin | 1.0 | 0.76 | 76 | 1 | 21 | 56-121 |
| 4,4'-DDT | 1.0 | 0.63 | 63 | 2 | 27 | 38-127 |

# 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:

FORM III PEST-1 OLM04.2

4C

# PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKJG

Name: COMPUCHEM | Contract: 68W03021

Lab Code: LIBRTY | Case No.: 34166 | SAS No.: | SDG No.: E00R2

Lab Sample ID: 68509 | Lab File ID: _____

Matrix (soil/water) WATER | Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) N | Date Extracted: 05/11/05

Date Analyzed (1): 05/13/05 | Date Analyzed (2): 05/13/05

Time Analyzed (1): 0635 | Time Analyzed (2): 0635

Instrument ID (1): TRACEGC80 | Instrument ID (2): TRACEGC81

GC Column (1): CLPEST ID: 0.53(mm) | GC Column (2): CLPEST2 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 | E00R6 | 651902 | 05/13/05 | 05/13/05 |
| 02 | E00R7 | 651903 | 05/13/05 | 05/13/05 |
| 03 | E00S2 | 651906 | 05/13/05 | 05/13/05 |
| 04 | E00R2MS | 68510 | 05/24/05 | 05/24/05 |
| 05 | E00R2MSD | 68511 | 05/24/05 | 05/24/05 |
| 06 | E00R2 | 651901 | 05/24/05 | 05/24/05 |
| 07 | E00S0 | 651904 | 05/24/05 | 05/24/05 |
| 08 | E00S3 | 651907 | 05/25/05 | 05/25/05 |
| 09 | E00S4 | 651908 | 05/25/05 | 05/25/05 |
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COMMENTS: _____

4C

# PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKSC

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Lab Sample ID: PBLKSC Lab File ID: _____

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) Y Date Extracted: 05/24/05

Date Analyzed (1): 05/24/05 Date Analyzed (2): 05/24/05

Time Analyzed (1): 2227 Time Analyzed (2): 2227

Instrument ID (1): TRACEGC80 Instrument ID (2): TRACEGC81

GC Column (1): CLPEST ID: 0.53(mm) GC Column (2): CLPEST2 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 | E00R2MS | 68510 | 05/24/05 | 05/24/05 |
| 02 | E00R2MSD | 68511 | 05/24/05 | 05/24/05 |
| 03 | E00R2 | 651901 | 05/24/05 | 05/24/05 |
| 04 | E00S0 | 651904 | 05/24/05 | 05/24/05 |
| 05 | E00S3 | 651907 | 05/25/05 | 05/25/05 |
| 06 | E00S4 | 651908 | 05/25/05 | 05/25/05 |
| 07 | | | | |
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COMMENTS: _____

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/06/05

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/24/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

| 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68510

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/06/05

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/24/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | | Q |
|---|---|---|---|---|
| 319-84-6 | alpha-BHC | | 0.050 | U |
| 319-85-7 | beta-BHC | | 0.015 | JP |
| 319-86-8 | delta-BHC | | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | | 0.33 | |
| 76-44-8 | Heptachlor | | 0.32 | |
| 309-00-2 | Aldrin | | 0.31 | |
| 1024-57-3 | Heptachlor epoxide | | 0.050 | U |
| 959-98-8 | Endosulfan I | | 0.050 | U |
| 60-57-1 | Dieldrin | | 0.67 | |
| 72-55-9 | 4,4'-DDE | | 0.10 | U |
| 72-20-8 | Endrin | | 0.75 | |
| 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 | | 0.62 | |
| 72-43-5 | Methoxychlor | | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | ~~0.023~~ | ~~JP~~ V |
| 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 |

6.15 05

GPA

FORM I PEST OLM04.2

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R2MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68511

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/06/05

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/24/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | | Q |
|---|---|---|---|---|
| 319-84-6 | alpha-BHC | | 0.050 | U |
| 319-85-7 | beta-BHC | | 0.014 | JP |
| 319-86-8 | delta-BHC | | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | | 0.33 | |
| 76-44-8 | Heptachlor | | 0.33 | |
| 309-00-2 | Aldrin | | 0.32 | |
| 1024-57-3 | Heptachlor epoxide | | 0.050 | U |
| 959-98-8 | Endosulfan I | | 0.050 | U |
| 60-57-1 | Dieldrin | | 0.68 | |
| 72-55-9 | 4,4'-DDE | | 0.10 | U |
| 72-20-8 | Endrin | | 0.76 | |
| 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 | | 0.63 | |
| 72-43-5 | Methoxychlor | | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | ~~0.020~~ | ~~JP~~ 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 |

CAH 6-15-05

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651902

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/06/05

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00R7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651903

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/06/05

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651904

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/06/05

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/24/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/06/05

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | 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 |
| | | | |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651907

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/06/05

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/25/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00S4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 651908

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/06/05

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/25/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKJG

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

Matrix: (soil/water) WATER Lab Sample ID: 68509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/11/05

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | | 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 |

1E

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKSC

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34166 SAS No.: SDG No.: E00R2

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

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/24/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 05/24/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

| CAS NO. | COMPOUND | (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: E00R2 CERCLIS No: ILN000509241

Case No: 34166 Site Name/Location: Acme Steel Coke Plant

Contractor or EPA Lab: CampuChem Data User: IEPA

No. of Samples: 8 Date Sampled or Date Received: 5/26/05

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: ____ No. of samples received: ____

Received by: Michelle Davis Date: 5/26/05

Received by LSSS: Michelle Davis Date: 5/27/05

Review started: 7-27-05 Reviewer Signature: Stephanie Tebbin

Total time spent on review: 12 hrs Date review completed: 06-15-05

Copied by: ____ Date: ____

Mailed to user by: James R. Burden Date: 6-16-05

**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: ____

# SEVERN TRENT LABORATORIES
# ANALYTICAL REPORT

JOB NUMBER: 236327

Prepared For:

Illinois EPA
Office of Site Evaluation
Mail Code # 24
1021 N. Grand Ave. East
Springfield, IL 62702
Project: Acme Steel Coke Plant

Attention: Ann Cross

Date: 05/19/2005

Signature

Date

Name: Bonnie M. Stadelmann

Title: Project Manager

E-Mail: bstadelmann@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (_____) Pages

STL Chicago is part of Severn Trent Laboratories, Inc.

# SAMPLE INFORMATION

Date: 05/19/2005

Job Number.: 236327
Customer...: Illinois EPA
Attn.....: Ann Cross

Project Number.....: 20005420
Customer Project ID....: ACME STEEL COKE PLAN
Project Description....: Acme Steel Coke Plant

| Laboratory Sample ID | Customer Sample ID | Sample Matrix | Date Sampled | Time Sampled | Date Received | Time Received |
|---|---|---|---|---|---|---|
| 236327 1 | X301 | Soil | 05/02/2005 | 13:00 | 05/04/2005 | 15:00 |
| 236327 2 | X302 | Soil | 05/02/2005 | 15:00 | 05/04/2005 | 15:00 |
| 236327 3 | X303 | Soil | 05/02/2005 | 15:45 | 05/04/2005 | 15:00 |
| 236327 4 | X304 | Soil | 05/02/2005 | 17:45 | 05/04/2005 | 15:00 |
| 236327 5 | X307 | Soil | 05/03/2005 | 11:45 | 05/04/2005 | 15:00 |
| 236327 6 | X305 | Soil | 05/03/2005 | 09:00 | 05/04/2005 | 15:00 |
| 236327 7 | X 202 | Soil | 05/03/2005 | 17:30 | 05/04/2005 | 15:00 |
| 236327 8 | X-203 | Soil | 05/03/2005 | 17:40 | 05/04/2005 | 15:00 |
| 236327 9 | X 204 | Soil | 05/03/2005 | 17:40 | 05/04/2005 | 15:00 |
| 236327 10 | X 205 | Soil | 05/04/2005 | 08:50 | 05/04/2005 | 15:00 |
| 236327 11 | X 216 | Soil | 05/04/2005 | 09:20 | 05/04/2005 | 15:00 |
| 236327 12 | X 217 | Soil | 05/04/2005 | 10:20 | 05/04/2005 | 15:00 |
| 236327 13 | X 311 | Soil | 05/04/2005 | 11:30 | 05/04/2005 | 15:00 |
| 236327 14 | X 312 | Soil | 05/04/2005 | 12:00 | 05/04/2005 | 15:00 |
| 236327 15 | X 313 | Soil | 05/04/2005 | 12:00 | 05/04/2005 | 15:00 |
| 236327 16 | X 315 | Soil | 05/04/2005 | 13:00 | 05/04/2005 | 15:00 |

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LABORATORY TEST RESULTS

Job Number 236327 Date:05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Customer Sample ID: X301
Date Sampled.....: 05/02/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-1
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 370 | J | | 290 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 450 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 240 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 280 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 260 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 1300 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | ND | U | | 300 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 300 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | n Nitroso di n propylamine, 3541 Low Soli* | ND | U | | 320 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 300 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Sol*d | 510 | J | | 360 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 280 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 110 | 370 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Soli* | ND | U | | 280 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 280 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 8100 | 19000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 280 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2,4-Dimethylphenol, 3541 Low Solid* | ND | U | | 880 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 430 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Naphthalene, 3541 Low Solid* | 32000 | | | 370 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 630 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 4-Chloroaniline, 3541 Low Solid* | ND | U | | 810 | 7500 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2,4,6 Trichlorophenol, 3541 Low Solid* | ND | U | | 760 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2,4,5 Trichlorophenol, 3541 Low Solid* | ND | U | | 830 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 1300 | 7500 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2-Methylnaphthalene, 3541 Low Solid* | 6800 | | | 410 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2-Nitroaniline, 3541 Low Solid* | ND | U | | 380 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2-Chloronaphthalene, 3541 Low Solid* | ND | U | | 240 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X301
Date Sampled.....: 05/02/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-1
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL * | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 610 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 280 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 840 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 490 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 280 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 3000 | 7500 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 7800 | | | 73 | 370 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 420 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Acenaphthene, 3541 Low Solid* | 950 | | | 72 | 370 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 4500 | | | 290 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 2100 | 7500 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Fluorene, 3541 Low Solid* | 1700 | | | 71 | 370 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 530 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 220 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 210 | 750 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 400 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 380 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 2100 | 7500 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 190 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | 4,6 Dinitro 2 methylphenol, 3541 Low Soli* | ND | U | | 1100 | 3700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Phenanthrene, 3541 Low Solid* | 22000 | | | 59 | 370 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Anthracene, 3541 Low Solid* | 6900 | | | 80 | 370 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Carbazole, 3541 Low Solid* | 2900 | | | 220 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Di n butyl phthalate, 3541 Low Solid* | ND | U | | 220 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 1600 | 7500 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Fluoranthene, 3541 Low Solid* | 53000 | | | 350 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| | Pyrene, 3541 Low Solid* | 45000 | | | 420 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 270 | 1900 | 5:00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 36000 | | | 360 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X301
Date Sampled.....: 05/02/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-1
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 47000 | | H | 380 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 370 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 790 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 330 | 1900 | 5.00000 | ug/Kg | 149122 | | 05/12/05 1917 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 52000 | | M | 460 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 34000 | | M | 520 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 47000 | | H | 210 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 35000 | | | 370 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 16000 | | H | 380 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 42000 | | | 500 | 1800 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1930 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 22 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | beta-BHC, 3541 Solid* | ND | U | | 31 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 31 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | gamma-BHC (Lindane), 3541 Solid* | ND | U | | 22 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 20 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 20 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 21 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 22 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 20 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 21 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 21 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 22 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | 4,4'-DDD, 3541 Solid* | ND | U | | 25 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 25 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | 4,4'-DDT, 3541 Solid* | ND | U | | 21 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 31 | 190 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | alpha-Chlordane, 3541 Solid* | ND | U | | 20 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: [illegible]

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X301
Date Sampled.....: 05/02/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-1
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 3.4 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 250 | 370 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 27 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 29 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2030 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 13 | 37 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1703 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 10 | 37 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1703 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 10 | 37 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1703 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 11 | 37 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1703 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 8.1 | 37 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1703 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 8.3 | 37 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1703 | bjt |
| | Aroclor 1260, 3541 Solid* | 130 | | | 7.4 | 37 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1703 | bjt |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, High/Med Level* | ND | U | | 25 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Chloromethane, High/Med Level* | ND | U | | 23 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Vinyl chloride, High/Med Level* | ND | U | | 14 | 28 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Bromomethane, High/Med Level* | ND | U | | 55 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Chloroethane, High/Med Level* | ND | U | | 22 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Trichlorofluoromethane, High/Med Level* | ND | U | | 19 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,1-Dichloroethene, High/Med Level* | ND | U | | 15 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Carbon disulfide, High/Med Level* | ND | U | | 10 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Acetone, High/Med Level* | ND | U | * | 69 | 230 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Methylene chloride, High/Med Level* | ND | U | | 33 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | trans-1,2-Dichloroethene, High/Med Level* | ND | U | | 11 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Methyl tert butyl ether (MTBE), High/Med*Level | ND | U | | 14 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,1-Dichloroethane, High/Med Level* | ND | U | | 11 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 2,2-Dichloropropane, High/Med Level* | ND | U | | 11 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |

* In Description = Dry Wgt.

STL Chicago [illegible] Inc

LABORATORY TEST RESULTS

Job Number: 236327 Date:05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Customer Sample ID: X301
Date Sampled.....: 05/02/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-1
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | O | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cis 1,2 Dichloroethene, High/Med Level* | ND | U | | 16 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 2 Butanone (MEK), High/Med Level* | ND | U | * | 62 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Bromochloromethane, High/Med Level* | ND | U | | 18 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Chloroform, High/Med Level* | ND | U | | 11 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,1,1 Trichloroethane, High/Med Level* | ND | U | | 8.9 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,1 Dichloropropene High/Med Level* | ND | U | | 24 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Carbon tetrachloride, High/Med Level* | ND | U | * | 33 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Benzene, High/Med Level* | 10000 | | | 5.0 | 28 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,2 Dichloroethane, High/Med Level* | ND | U | | 14 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Trichloroethene, High/Med Level* | ND | U | | 12 | 28 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,2 Dichloropropane, High/Med Level* | ND | U | | 15 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Dibromomethane, High/Med Level* | ND | U | | 17 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Bromodichloromethane, High/Med Level* | ND | U | | 9.7 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | cis 1,3-Dichloropropene, High/Med Level* | ND | U | | 10 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 4 Methyl 2 pentanone (MIBK), High/Med Lev*l | ND | U | | 72 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Toluene, High/Med Level* | 470 | | | 6.5 | 28 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | trans 1,3-Dichloropropene, High/Med Level* | ND | U | | 21 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,1,2-Trichloroethane, High/Med Level* | ND | U | | 19 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Tetrachloroethene, High/Med Level* | ND | U | | 22 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,3-Dichloropropane, High/Med Level* | ND | U | | 17 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 2 Hexanone, High/Med Level* | ND | U | * | 69 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Dibromochloromethane, High/Med Level* | ND | U | | 15 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,2-Dibromoethane (EDB), High/Med Level* | ND | U | | 75 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Chlorobenzene, High/Med Level* | ND | U | | 14 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,1,1,2-Tetrachloroethane, High/Med Level* | ND | U | | 11 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Ethylbenzene, High/Med Level* | 5100 | | | 9.7 | 28 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | m&p-Xylenes, High/Med Level* | 10000 | | | 16 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | o Xylene, High/Med Level* | 2800 | | | 8.0 | 28 | 1:0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Styrene, High/Med Level* | ND | U | | 18 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |

* In Description = Dry Wgt.

STL Chicago [illegible] Northern Trust Laboratories

LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X301
Date Sampled.....: 05/02/2005
Time Sampled.....: 13:00
Sample Matrix ....: Soil

Laboratory Sample ID: 236327-1
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bromoform, High/Med Level* | ND | U | 20 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Isopropylbenzene, High/Med Level* | 500 | | 23 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Bromobenzene, High/Med Level* | ND | U | 18 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,1,2,2 Tetrachloroethane, High/Med Level* | ND | U | 15 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,2,3 Trichloropropane, High/Med Level* | ND | U | 26 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | n Propylbenzene, High/Med Level* | ND | U | 36 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 2 Chlorotoluene, High/Med Level* | ND | U | 28 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,3,5 Trimethylbenzene, High/Med Level* | 2500 | | 31 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 4 Chlorotoluene, High/Med Level* | ND | U | 36 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | tert Butylbenzene, High/Med Level* | ND | U | 33 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,2,4 Trimethylbenzene, High/Med Level* | 3300 | | 28 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | sec Butylbenzene, High/Med Level* | ND | U | 33 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,3 Dichlorobenzene, High/Med Level* | ND | U | 31 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | p Isopropyltoluene, High/Med Level* | ND | U | 38 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,4 Dichlorobenzene, High/Med Level* | ND | U | 27 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | n Butylbenzene, High/Med Level* | ND | U | 49 | 56 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,2 Dichlorobenzene, High/Med Level* | ND | U | 29 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,2 Dibromo 3 chloropropane, High/Med Lev*l | ND | U | 39 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,2,4 Trichlorobenzene, High/Med Level* | ND | U | 73 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | Hexachlorobutadiene, High/Med Level* | ND | U | 44 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| | 1,2,3 Trichlorobenzene, High/Med Level* | ND | U | 55 | 110 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1238 | jdn |
| Method | % Solids Determination | | | | | | | | | | |
| | % Solids, Solid | 88.8 | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1333 | daj |
| | % Moisture, Solid | 11.2 | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1333 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | |
| | Cyanide, Total, Solid* | 12 | | 0.09 | 0.48 | 1 | mg/Kg | 148134 | | 05/09/05 1450 | mtb |

* In Description = Dry Wgt

STL Chicago is part of Se[illegible]nt Laboratories, Inc.

Job Number [illegible]27

# LABORATORY TEST RESULTS

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: [illegible]
Date Sampled..... : [illegible]02/2005
Time Sampled..... : [illegible]00
Sample Matrix..... [illegible]

Laboratory Sample ID: 236327-1
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.7 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1358 | pmf |
| 7471A | Mercury [illegible] Solids | | | | | | | | | | | |
| | Mercury, [illegible]* | 4.3 | | | 0.069 | 0.19 | 10 | mg/Kg | 148150 | | 05/09/05 1600 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 8700 | | | 5.3 | 21 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Antimony, Solid* | ND | U | | 0.45 | 2.1 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Arsenic, Solid* | 6.3 | | | 0.39 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Barium, Solid* | 160 | | | 0.075 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Beryllium, Solid* | 2.1 | | | 0.019 | 0.42 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Boron, Solid* | 28 | | | 0.31 | 5.2 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Cadmium, Solid* | 1.0 | | | 0.061 | 0.21 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Calcium, Solid* | 47000 | | | 1.9 | 10 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Chromium, Solid* | 21 | | | 0.10 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Cobalt, Solid* | 2.2 | | | 0.13 | 0.52 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Copper, Solid* | 27 | | | 0.23 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Iron, Solid* | 19000 | | | 2.3 | 10 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Lead, Solid* | 98 | | | 0.26 | 0.52 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Magnesium, Solid* | 11000 | | | 1.1 | 10 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Manganese, Solid* | 1200 | | | 0.055 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Nickel, Solid* | 8.3 | | | 0.50 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Potassium, Solid* | 1100 | | | 6.3 | 52 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Selenium, Solid* | 1.4 | | | 0.47 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Silver, Solid* | ND | U | | 0.10 | 0.52 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Sodium, Solid* | 490 | | | 82 | 100 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Strontium, Solid* | 92 | | | 0.41 | 0.52 | 1 | mg/Kg | 148441 | | 05/11/05 1357 | tds |
| | Thallium, Solid* | ND | U | | 0.60 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X301
Date Sampled.....: 05/02/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-1
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vanadium, Solid* | 16 | | | 0.16 | 0.52 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |
| | Zinc, Solid* | 300 | | | 1.4 | 2.1 | 1 | mg/Kg | 148313 | | 05/10/05 1435 | tds |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X302
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-2
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | INITIAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 3000 | J | | 2000 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 3200 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1700 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 2000 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1800 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 9200 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | ND | U | | 2100 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 2100 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | n Nitroso di n propylamine, 3541 Low Solid* | ND | U | | 2300 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 2100 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Solid | ND | U | | 2500 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 2000 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 740 | 2600 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Solid* | ND | U | | 2000 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 2000 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 57000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 1900 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2,4-Dimethylphenol, 3541 Low Solid* | ND | U | | 6200 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 3000 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Naphthalene, 3541 Low Solid* | 3700000 | | | 10000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | 2,4 Dichlorophenol, 3541 Low Solid* | ND | U | | 4400 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 5700 | 53000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2,4,6-Trichlorophenol, 3541 Low Solid* | ND | U | | 5300 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2,4,5-Trichlorophenol, 3541 Low Solid* | ND | U | | 5800 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 9000 | 53000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 150000 | J | | 58000 | 260000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | 2-Nitroaniline, 3541 Low Solid* | ND | U | | 2700 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 1700 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X302
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-2
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 4300 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 2000 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 5900 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 3400 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 2000 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 21000 | 53000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 980000 | | | 10000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 3000 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Acenaphthene, 3541 Low Solid* | 96000 | | H | 10000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 750000 | | | 40000 | 260000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 15000 | 53000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Fluorene, 3541 Low Solid* | 910000 | | | 9900 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 3700 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 1500 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 1500 | 5300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 2800 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 2700 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 15000 | 53000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 1300 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | 4,6 Dinitro-2-methylphenol, 3541 Low Soli* | ND | U | | 7600 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Phenanthrene, 3541 Low Solid* | 3300000 | | | 8400 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Anthracene, 3541 Low Solid* | 920000 | | H | 11000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Carbazole, 3541 Low Solid* | 440000 | | | 31000 | 260000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Di n-butyl phthalate, 3541 Low Solid* | ND | U | | 1500 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 11000 | 53000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Fluoranthene, 3541 Low Solid* | 2500000 | | | 9800 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Pyrene, 3541 Low Solid* | 2100000 | | H | 12000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 1900 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 1000000 | | | 10000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X302
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-2
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 940000 | | H | 11000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 2600 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Soli* | ND | U | | 5600 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 2300 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2051 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 910000 | | M | 13000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 410000 | | M | 15000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 810000 | | | 6000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 460000 | | H | 10000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 130000 | | H | 11000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 500000 | | | 14000 | 52000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0625 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 90 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | beta-BHC, 3541 Solid* | ND | U | | 130 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 130 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 91 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 84 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 82 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 87 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 92 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 82 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 87 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 88 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 92 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | 4,4'-DDD, 3541 Solid* | ND | U | | 100 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 100 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | 4,4'-DDT, 3541 Solid* | ND | U | | 86 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 130 | 770 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 82 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X302
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-2
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 14 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 1000 | 1500 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 110 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 120 | 160 | 20.0000 | ug/Kg | 148813 | | 05/12/05 2221 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 260 | 770 | 10.0000 | ug/Kg | 148956 | | 05/12/05 1841 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 210 | 770 | 10.0000 | ug/Kg | 148956 | | 05/12/05 1841 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 210 | 770 | 10.0000 | ug/Kg | 148956 | | 05/12/05 1841 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 230 | 770 | 10.0000 | ug/Kg | 148956 | | 05/12/05 1841 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 170 | 770 | 10.0000 | ug/Kg | 148956 | | 05/12/05 1841 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 170 | 770 | 10.0000 | ug/Kg | 148956 | | 05/12/05 1841 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 150 | 770 | 10.0000 | ug/Kg | 148956 | | 05/12/05 1841 | bjt |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, High/Med Level* | ND | U | | 700 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Chloromethane, High/Med Level* | ND | U | | 640 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Vinyl chloride, High/Med Level* | ND | U | | 390 | 780 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Bromomethane, High/Med Level* | ND | U | | 1500 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Chloroethane, High/Med Level* | ND | U | | 600 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Trichlorofluoromethane, High/Med Level* | ND | U | | 520 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,1-Dichloroethene, High/Med Level* | ND | U | | 430 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Carbon disulfide, High/Med Level* | ND | U | | 280 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Acetone, High/Med Level* | ND | U | * | 1900 | 6200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Methylene chloride, High/Med Level* | ND | U | | 920 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | trans 1,2 Dichloroethene, High/Med Level* | ND | U | | 310 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Methyl tert butyl ether (MTBE), High/Med*Level | ND | U | | 380 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,1 Dichloroethane, High/Med Level* | ND | U | | 310 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 2,2 Dichloropropane, High/Med Level* | ND | U | | 300 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327 Date:05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Customer Sample ID: X302
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-2
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cis 1,2 Dichloroethene, High/Med Level* | ND | U | | 430 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 2 Butanone (MEK), High/Med Level* | ND | U | * | 1700 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Bromochloromethane, High/Med Level* | ND | U | | 500 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Chloroform, High/Med Level* | ND | U | | 310 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,1,1 Trichloroethane, High/Med Level* | ND | U | | 250 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,1 Dichloropropene, High/Med Level* | ND | U | | 650 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Carbon tetrachloride, High/Med Level* | ND | U | * | 920 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Benzene, High/Med Level* | 5500 | | | 140 | 780 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,2 Dichloroethane, High/Med Level* | ND | U | | 400 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Trichloroethene, High/Med Level* | ND | U | | 340 | 780 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,2 Dichloropropane, High/Med Level* | ND | U | | 400 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Dibromomethane, High/Med Level* | ND | U | | 460 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Bromodichloromethane, High/Med Level* | ND | U | | 270 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | cis-1,3 Dichloropropene, High/Med Level* | ND | U | | 290 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 4-Methyl 2 pentanone (MIBK), High/Med Lev*l | ND | U | | 2000 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Toluene, High/Med Level* | 3900 | | | 180 | 780 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | trans-1,3-Dichloropropene, High/Med Level* | ND | U | | 580 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,1,2 Trichloroethane, High/Med Level* | ND | U | | 520 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Tetrachloroethene, High/Med Level* | ND | U | | 600 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,3-Dichloropropane, High/Med Level* | ND | U | | 470 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 2-Hexanone, High/Med Level* | ND | U | * | 1900 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Dibromochloromethane, High/Med Level* | ND | U | | 410 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,2-Dibromoethane (EDB), High/Med Level* | ND | U | | 2100 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Chlorobenzene, High/Med Level* | ND | U | | 380 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,1,1,2-Tetrachloroethane, High/Med Level* | ND | U | | 320 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Ethylbenzene, High/Med Level* | 2300 | | | 270 | 780 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | m&p-Xylenes, High/Med Level* | 6400 | | | 450 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | o-Xylene, High/Med Level* | 2400 | | | 220 | 780 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Styrene, High/Med Level* | ND | U | | 500 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236[illegible]

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X302
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-2
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bromoform, High/Med Level* | ND | U | | 550 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Isopropylbenzene, High/Med Level* | ND | U | | 640 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Bromobenzene, High/Med Level* | ND | U | | 490 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,1,2,2 Tetrachloroethane, High/Med Level* | ND | U | | 420 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,2,3 Trichloropropane, High/Med Level* | ND | U | | 730 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | n-Propylbenzene, High/Med Level* | ND | U | | 1000 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 2 Chlorotoluene, High/Med Level* | ND | U | | 770 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,3,5 Trimethylbenzene, High/Med Level* | ND | U | | 850 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 4 Chlorotoluene, High/Med Level* | ND | U | | 1000 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | tert-Butylbenzene, High/Med Level* | ND | U | | 910 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,2,4 Trimethylbenzene, High/Med Level* | 3800 | | | 770 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | sec Butylbenzene, High/Med Level* | ND | U | | 920 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,3 Dichlorobenzene, High/Med Level* | ND | U | | 860 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | p Isopropyltoluene, High/Med Level* | ND | U | | 1000 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,4-Dichlorobenzene, High/Med Level* | ND | U | | 740 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | n Butylbenzene, High/Med Level* | ND | U | | 1400 | 1600 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,2-Dichlorobenzene, High/Med Level* | ND | U | | 790 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,2-Dibromo-3 chloropropane, High/Med Lev*l | ND | U | | 1100 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,2,4-Trichlorobenzene, High/Med Level* | ND | U | | 2000 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | Hexachlorobutadiene, High/Med Level* | ND | U | | 1200 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| | 1,2,3-Trichlorobenzene, High/Med Level* | ND | U | | 1500 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1323 | jdn |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 64.0 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1338 | daj |
| | % Moisture, Solid | 36.0 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1338 | daj |
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.4 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1400 | pmf |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X303
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-3
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 1100 | J | | 560 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Bis(2-chloroethyl)ether, 3541 Low Solid* | ND | U | | 890 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 1,3-Dichlorobenzene, 3541 Low Solid* | ND | U | | 480 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 1,4-Dichlorobenzene, 3541 Low Solid* | ND | U | | 560 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 1,2-Dichlorobenzene, 3541 Low Solid* | ND | U | | 510 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 2600 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2-Methylphenol (o-cresol), 3541 Low Solid* | ND | U | | 590 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2,2'-oxybis (1-chloropropane), 3541 Low Solid | ND | U | | 590 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | n-Nitroso-di-n-propylamine, 3541 Low Solid* | ND | U | | 630 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 590 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 4-Methylphenol (m/p cresol), 3541 Low Solid | 850 | J | | 710 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2-Chlorophenol, 3541 Low Solid* | ND | U | | 550 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 210 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Bis(2-chloroethoxy)methane, 3541 Low Solid* | ND | U | | 550 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 1,2,4-Trichlorobenzene, 3541 Low Solid* | ND | U | | 550 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 16000 | 37000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 540 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2,4-Dimethylphenol, 3541 Low Solid* | ND | U | | 1700 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 840 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Naphthalene, 3541 Low Solid* | 55000 | | | 150 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 1200 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 4-Chloroaniline, 3541 Low Solid* | ND | U | | 1600 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2,4,6-Trichlorophenol, 3541 Low Solid* | ND | U | | 1500 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2,4,5-Trichlorophenol, 3541 Low Solid* | ND | U | | 1600 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 2500 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2-Methylnaphthalene, 3541 Low Solid* | 8700 | | | 810 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2-Nitroaniline, 3541 Low Solid* | ND | U | | 740 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2-Chloronaphthalene, 3541 Low Solid* | ND | U | | 480 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X303
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-3
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 1200 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 550 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 1600 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 950 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 550 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 5900 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 15000 | | | 140 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 830 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Acenaphthene, 3541 Low Solid* | 840 | | | 140 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 5200 | | | 560 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 4100 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Fluorene, 3541 Low Solid* | 1500 | | | 140 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 1000 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 420 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 420 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 780 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 740 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 4000 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 370 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 4,6 Dinitro 2 methylphenol, 3541 Low Soli* | ND | U | | 2100 | 7300 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Phenanthrene, 3541 Low Solid* | 14000 | | | 120 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Anthracene, 3541 Low Solid* | 5300 | | | 160 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Carbazole, 3541 Low Solid* | 3000 | J | | 430 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Di-n-butyl phthalate, 3541 Low Solid* | ND | U | | 430 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 3200 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Fluoranthene, 3541 Low Solid* | 15000 | | H | 140 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Pyrene, 3541 Low Solid* | 9800 | | | 170 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 530 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 9400 | | H | 140 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X303
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327 3
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q FLAGS | MDL * | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 9300 | | 150 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | 730 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | 1600 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | 650 | 3700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 16000 | M | 180 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 6000 | M | 200 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 13000 | | 84 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 12000 | | 150 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 3100 | | 150 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 17000 | | 200 | 730 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2115 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | 22 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | beta BHC, 3541 Solid* | ND | U | 32 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | delta BHC, 3541 Solid* | ND | U | 32 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | 22 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | 21 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Aldrin, 3541 Solid* | ND | U | 20 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | 21 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | 23 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | 20 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | 4,4' DDE, 3541 Solid* | ND | U | 21 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Endrin, 3541 Solid* | ND | U | 21 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | 23 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | 4,4' DDD, 3541 Solid* | ND | U | 25 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | 25 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | 4,4' DDT, 3541 Solid* | ND | U | 21 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | 32 | 190 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | 20 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X303
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-3
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 3.4 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 250 | 380 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 27 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 29 | 38 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2249 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 13 | 38 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1931 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 10 | 38 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1931 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 10 | 38 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1931 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 11 | 38 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1931 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 8.1 | 38 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1931 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 8.3 | 38 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1931 | bjt |
| | Aroclor 1260, 3541 Solid* | 95 | | | 7.4 | 38 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1931 | bjt |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 86.8 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1341 | daj |
| | % Moisture, Solid | 13.2 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1341 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 77 | | | 0.5 | 2.7 | 5 | mg/Kg | 148375 | | 05/11/05 1359 | mtb |
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.4 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1401 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 23 | | | 0.70 | 1.9 | 100 | mg/Kg | 148150 | | 05/09/05 1610 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 18000 | | | 5.3 | 21 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236327 Date:05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Customer Sample ID: X303
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-3
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Antimony, Solid* | ND | U | | 0.45 | 2.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Arsenic, Solid* | 5.7 | | | 0.39 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Barium, Solid* | 440 | | | 0.076 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Beryllium, Solid* | 3.7 | | | 0.019 | 0.42 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Boron, Solid* | 35 | | | 0.32 | 5.3 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Cadmium, Solid* | 2.4 | | | 0.061 | 0.21 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Calcium, Solid* | 80000 | | | 1.9 | 11 | 1 | mg/Kg | 148441 | | 05/11/05 1431 | tds |
| | Chromium, Solid* | 28 | | | 0.11 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Cobalt, Solid* | 2.9 | | | 0.13 | 0.53 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Copper, Solid* | 510 | | | 0.23 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Iron, Solid* | 31000 | | | 2.3 | 11 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Lead, Solid* | 380 | | | 0.26 | 0.53 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Magnesium, Solid* | 20000 | | | 1.1 | 11 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Manganese, Solid* | 1300 | | | 0.056 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Nickel, Solid* | 15 | | | 0.51 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Potassium, Solid* | 2000 | | | 6.3 | 53 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Selenium, Solid* | 1.5 | | | 0.48 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Silver, Solid* | ND | U | | 0.11 | 0.53 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Sodium, Solid* | 1300 | | | 83 | 110 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Strontium, Solid* | 230 | | | 0.41 | 0.53 | 1 | mg/Kg | 148441 | | 05/11/05 1431 | tds |
| | Thallium, Solid* | ND | U | | 0.60 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Vanadium, Solid* | 22 | | | 0.16 | 0.53 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| | Zinc, Solid* | 660 | | | 1.4 | 2.1 | 1 | mg/Kg | 148313 | | 05/10/05 1506 | tds |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, Solid* | ND | U | | 0.99 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Chloromethane, Solid* | ND | U | | 0.83 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Vinyl chloride, Solid* | ND | U | | 0.81 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Bromomethane, Solid* | ND | U | | 3.1 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X303
Date Sampled. ....: 05/02/2005
Time Sampled. ....: 15:45
Sample Matrix ....: Soil

Laboratory Sample ID: 236327-3
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chloroethane, Solid* | ND | U | | 3.6 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Trichlorofluoromethane, Solid* | ND | U | | 1.1 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,1 Dichloroethene, Solid* | ND | U | | 1.5 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Carbon disulfide, Solid* | ND | U | | 0.79 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Acetone, Solid* | 7.4 | | * | 3.7 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Methylene chloride, Solid* | 14 | | | 1.8 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | trans 1,2 Dichloroethene, Solid* | ND | U | | 0.89 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Methyl tert butyl ether (MTBE), Solid* | ND | U | | 0.63 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,1 Dichloroethane, Solid* | ND | U | | 0.68 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 2,2 Dichloropropane, Solid* | ND | U | | 1.6 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | cis 1,2 Dichloroethene, Solid* | ND | U | | 0.65 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 2 Butanone (MEK), Solid* | ND | U | | 2.5 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Bromochloromethane, Solid* | ND | U | | 0.86 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Chloroform, Solid* | ND | U | | 0.78 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,1,1 Trichloroethane, Solid* | ND | U | | 0.83 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,1 Dichloropropene, Solid* | ND | U | | 0.83 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Carbon tetrachloride, Solid* | ND | U | | 0.84 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Benzene, Solid* | ND | U | | 0.79 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,2 Dichloroethane, Solid* | ND | U | | 0.63 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Trichloroethene, Solid* | ND | U | | 0.76 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,2 Dichloropropane, Solid* | ND | U | | 0.63 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Dibromomethane, Solid* | ND | U | | 0.92 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Bromodichloromethane, Solid* | ND | U | | 0.66 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | cis 1,3 Dichloropropene, Solid* | ND | U | | 0.67 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 4 Methyl-2-pentanone (MIBK), Solid* | ND | U | | 0.71 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Toluene, Solid* | ND | U | | 2.0 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | trans 1,3-Dichloropropene, Solid* | ND | U | | 0.69 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,1,2 Trichloroethane, Solid* | ND | U | | 0.94 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Tetrachloroethene, Solid* | ND | U | | 1.0 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X303
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-3
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,3 Dichloropropane, Solid* | ND | U | | 0.70 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 2 Hexanone, Solid* | ND | U | | 1.4 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Dibromochloromethane, Solid* | ND | U | | 0.75 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,2 Dibromoethane (EDB), Solid* | ND | U | | 0.74 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Chlorobenzene, Solid* | ND | U | | 0.65 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,1,1,2 Tetrachloroethane, Solid* | ND | U | | 0.69 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Ethylbenzene, Solid* | ND | U | | 0.74 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | m&p Xylenes, Solid* | ND | U | | 1.4 | 12 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | o Xylene, Solid* | ND | U | | 0.71 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Styrene, Solid* | ND | U | | 0.71 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Bromoform, Solid* | ND | U | | 0.85 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Isopropylbenzene, Solid* | ND | U | | 0.78 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | Bromobenzene, Solid* | ND | U | | 0.52 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,1,2,2 Tetrachloroethane, Solid* | ND | U | | 0.71 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,2,3 Trichloropropane, Solid* | ND | U | | 1.4 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | n Propylbenzene, Solid* | ND | U | | 0.85 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 2 Chlorotoluene, Solid* | ND | U | | 0.76 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,3,5-Trimethylbenzene, Solid* | ND | U | | 0.93 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 4-Chlorotoluene, Solid* | ND | U | | 0.79 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | tert-Butylbenzene, Solid* | ND | U | | 0.90 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,2,4-Trimethylbenzene, Solid* | ND | U | | 0.98 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | sec-Butylbenzene, Solid* | ND | U | | 0.97 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,3-Dichlorobenzene, Solid* | ND | U | | 0.83 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | p-Isopropyltoluene, Solid* | ND | U | | 0.94 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,4-Dichlorobenzene, Solid* | ND | U | | 0.81 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | n-Butylbenzene, Solid* | ND | U | | 1.3 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,2-Dichlorobenzene, Solid* | ND | U | | 0.83 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,2-Dibromo-3-chloropropane, Solid* | ND | U | | 1.7 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,2,4-Trichlorobenzene, Solid* | ND | U | | 1.4 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X303
Date Sampled.....: 05/02/2005
Time Sampled.....: 15:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327 3
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hexachlorobutadiene, Solid* | ND | U | | 3.0 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |
| | 1,2,3 Trichlorobenzene, Solid* | ND | U | | 1.3 | 5.8 | 1.00000 | ug/Kg | 149030 | | 05/17/05 0116 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of [illegible] Laboratories, Inc

LABORATORY [illegible] RESULTS

Job Number [illegible]

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X304
Date Sampled. . . : 05/02/2005
Time Sampled. . . : 17:45
Sample Matrix . . . Soil

Laboratory Sample ID: 236327-4
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 15000 | J | | 3600 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 5700 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 3100 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 3600 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 3300 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 16000 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | 13000 | J | | 3800 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 3800 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | n Nitroso di n propylamine, 3541 Low Solid* | ND | U | | 4100 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 3800 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Solid | 22000 | J | | 4500 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 3500 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 1300 | 4700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Solid* | ND | U | | 3500 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 3500 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 100000 | 240000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 3500 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2,4 Dimethylphenol, 3541 Low Solid* | 20000 | J | | 11000 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 5400 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Naphthalene, 3541 Low Solid* | 4900000 | | H | 93000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | 2,4 Dichlorophenol, 3541 Low Solid* | ND | U | | 7900 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 10000 | 95000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2,4,6 Trichlorophenol, 3541 Low Solid* | ND | U | | 9600 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2,4,5 Trichlorophenol, 3541 Low Solid* | ND | U | | 10000 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 16000 | 95000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 1600000 | | H | 100000 | 470000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0712 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 4800 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 3100 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X304
Date Sampled.....: 05/02/2005
Time Sampled.....: 17:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-4
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 7700 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 3500 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 11000 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 6100 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 3600 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 38000 | 95000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 1700000 | | H | 92000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 5300 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Acenaphthene, 3541 Low Solid* | 2200000 | | H | 90000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 2400000 | | H | 360000 | 2400000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 26000 | 95000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Fluorene, 3541 Low Solid* | 3600000 | | H | 89000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 6700 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 2700 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 2700 | 9500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 5000 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 4-Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 4800 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 26000 | 95000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | n-Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 2400 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | 4,6-Dinitro 2 methylphenol, 3541 Low Soli* | ND | U | | 14000 | 47000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Phenanthrene, 3541 Low Solid* | 13000000 | | | 75000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | Anthracene, 3541 Low Solid* | 3300000 | | H | 100000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | Carbazole, 3541 Low Solid* | 1500000 | | | 55000 | 470000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0712 | dpk |
| | Di-n-butyl phthalate, 3541 Low Solid* | ND | U | | 2800 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 21000 | 95000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Fluoranthene, 3541 Low Solid* | 11000000 | | H | 88000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | Pyrene, 3541 Low Solid* | 9200000 | | | 110000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 3400 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 3400000 | | H | 92000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X304
Date Sampled.....: 05/02/2005
Time Sampled.....: 17:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-4
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 3200000 | | H | 95000 | 470000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0736 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 4700 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Soli* | ND | U | | 10000 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 4200 | 24000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 2600000 | | M | 23000 | 93000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0712 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 1100000 | | M | 26000 | 93000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0712 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 2000000 | | H | 11000 | 93000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0712 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 930000 | | H | 19000 | 93000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0712 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 220000 | | M | 950 | 4700 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2139 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 900000 | | H | 25000 | 93000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0712 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha-BHC, 3541 Solid* | ND | U | | 35 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | beta-BHC, 3541 Solid* | ND | U | | 51 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 51 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | gamma-BHC (Lindane), 3541 Solid* | ND | U | | 36 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 33 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 32 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 34 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 36 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 32 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 34 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 35 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 36 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | 4,4'-DDD, 3541 Solid* | 88 | | | 40 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 40 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | 4,4'-DDT, 3541 Solid* | ND | U | | 34 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 51 | 300 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | alpha-Chlordane, 3541 Solid* | ND | U | | 32 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: [illegible]

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X304
Date Sampled.... .: 05/02/2005
Time Sampled.....: 17:45
Sample Matrix... .: Soil

Laboratory Sample ID: 236327-4
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | LT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | 280 | | | 5.5 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 400 | 610 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 44 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 47 | 62 | 10.0000 | ug/Kg | 148813 | | 05/12/05 2316 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 20 | 61 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1955 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 17 | 61 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1955 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 16 | 61 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1955 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 18 | 61 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1955 | bjt |
| | Aroclor 1248, 3541 Solid* | 100 | | | 13 | 61 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1955 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 13 | 61 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1955 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 12 | 61 | 1.00000 | ug/Kg | 148956 | | 05/12/05 1955 | bjt |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, High/Med Level* | ND | U | | 28 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Chloromethane, High/Med Level* | ND | U | | 26 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Vinyl chloride, High/Med Level* | ND | U | | 16 | 31 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Bromomethane, High/Med Level* | ND | U | | 61 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Chloroethane, High/Med Level* | ND | U | | 24 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Trichlorofluoromethane, High/Med Level* | ND | U | | 21 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,1 Dichloroethene, High/Med Level* | ND | U | | 17 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Carbon disulfide, High/Med Level* | ND | U | | 11 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Acetone, High/Med Level* | ND | U | * | 77 | 250 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Methylene chloride, High/Med Level* | ND | U | | 37 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | trans 1,2 Dichloroethene, High/Med Level* | ND | U | | 12 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Methyl tert butyl ether (MTBE), High/Med*Level | ND | U | | 15 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,1 Dichloroethane, High/Med Level* | ND | U | | 12 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 2,2 Dichloropropane, High/Med Level* | ND | U | | 12 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327 Date: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Customer Sample ID: X304
Date Sampled.....: 05/02/2005
Time Sampled .....: 17:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-4
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cis 1,2 Dichloroethene, High/Med Level* | ND | U | | 17 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 2 Butanone (MEK), High/Med Level* | ND | U | * | 70 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Bromochloromethane, High/Med Level* | ND | U | | 20 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Chloroform, High/Med Level* | ND | U | | 12 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,1,1 Trichloroethane, High/Med Level* | ND | U | | 9.9 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,1 Dichloropropene, High/Med Level* | ND | U | | 26 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Carbon tetrachloride, High/Med Level* | ND | U | * | 37 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Benzene, High/Med Level* | 310 | | | 5.5 | 31 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,2 Dichloroethane, High/Med Level* | ND | U | | 16 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Trichloroethene, High/Med Level* | ND | U | | 14 | 31 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,2 Dichloropropane, High/Med Level* | ND | U | | 16 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Dibromomethane, High/Med Level* | ND | U | | 19 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Bromodichloromethane, High/Med Level* | ND | U | | 11 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | cis 1,3 Dichloropropene, High/Med Level* | ND | U | | 12 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 4 Methyl 2 pentanone (MIBK), High/Med Lev*l | ND | U | | 80 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Toluene, High/Med Level* | 410 | | | 7.3 | 31 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | trans 1,3-Dichloropropene, High/Med Level* | ND | U | | 23 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,1,2 Trichloroethane, High/Med Level* | ND | U | | 21 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Tetrachloroethene, High/Med Level* | ND | U | | 24 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,3 Dichloropropane, High/Med Level* | ND | U | | 19 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 2-Hexanone, High/Med Level* | ND | U | * | 77 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Dibromochloromethane, High/Med Level* | ND | U | | 16 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,2 Dibromoethane (EDB), High/Med Level* | ND | U | | 84 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Chlorobenzene, High/Med Level* | ND | U | | 15 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,1,1,2-Tetrachloroethane, High/Med Level* | ND | U | | 13 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Ethylbenzene, High/Med Level* | 69 | | | 11 | 31 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | m&p-Xylenes, High/Med Level* | 620 | | | 18 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | o Xylene, High/Med Level* | 200 | | | 8.9 | 31 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Styrene, High/Med Level* | 140 | | | 20 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |

* In Description = Dry Wgt.

STL [illegible] is part of [illegible] Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: [illegible]

Date: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X304
Date Sampled.....: 05/02/2005
Time Sampled.....: 17:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-4
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bromoform, High/Med Level* | ND | U | | 22 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Isopropylbenzene, High/Med Level* | ND | U | | 26 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Bromobenzene, High/Med Level* | ND | U | | 20 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,1,2,2 Tetrachloroethane, High/Med Level* | ND | U | | 17 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,2,3 Trichloropropane, High/Med Level* | ND | U | | 29 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | n Propylbenzene, High/Med Level* | ND | U | | 40 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 2 Chlorotoluene, High/Med Level* | ND | U | | 31 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,3,5 Trimethylbenzene, High/Med Level* | 170 | | | 34 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 4 Chlorotoluene, High/Med Level* | ND | U | | 40 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | tert Butylbenzene, High/Med Level* | ND | U | | 37 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,2,4 Trimethylbenzene, High/Med Level* | 850 | | | 31 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | sec Butylbenzene, High/Med Level* | ND | U | | 37 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,3 Dichlorobenzene, High/Med Level* | ND | U | | 34 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | p Isopropyltoluene, High/Med Level* | ND | U | | 42 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,4 Dichlorobenzene, High/Med Level* | ND | U | | 30 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | n Butylbenzene, High/Med Level* | ND | U | | 55 | 63 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,2 Dichlorobenzene, High/Med Level* | ND | U | | 32 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,2 Dibromo 3 chloropropane, High/Med Lev*l | ND | U | | 44 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,2,4 Trichlorobenzene, High/Med Level* | ND | U | | 81 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | Hexachlorobutadiene, High/Med Level* | ND | U | | 49 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| | 1,2,3 Trichlorobenzene, High/Med Level* | ND | U | | 62 | 130 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1431 | jdn |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 79.6 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1343 | daj |
| | % Moisture, Solid | 20.4 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1343 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 160 | | | 3 | 14 | 25 | mg/Kg | 148134 | | 05/09/05 1451 | mtb |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X304
Date Sampled.....: 05/02/2005
Time Sampled.....: 17:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-4
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL * | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 6.8 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1402 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 0.48 | | | 0.0077 | 0.021 | 1 | mg/Kg | 148150 | | 05/09/05 1500 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 3800 | | | 6.2 | 25 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Antimony, Solid* | ND | U | | 0.53 | 2.5 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Arsenic, Solid* | 7.8 | | | 0.45 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Barium, Solid* | 140 | | | 0.088 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Beryllium, Solid* | 0.73 | | | 0.022 | 0.49 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Boron, Solid* | 16 | | | 0.37 | 6.1 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Cadmium, Solid* | 1.3 | | | 0.071 | 0.25 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Calcium, Solid* | 4300 | | | 2.3 | 12 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Chromium, Solid* | 22 | | | 0.12 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Cobalt, Solid* | 3.3 | | | 0.15 | 0.61 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Copper, Solid* | 28 | | | 0.27 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Iron, Solid* | 26000 | | | 2.7 | 12 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Lead, Solid* | 120 | | | 0.31 | 0.61 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Magnesium, Solid* | 1800 | | | 1.2 | 12 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Manganese, Solid* | 280 | | | 0.065 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Nickel, Solid* | 12 | | | 0.59 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Potassium, Solid* | 540 | | | 7.4 | 61 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Selenium, Solid* | 2.0 | | | 0.55 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Silver, Solid* | 0.14 | B | | 0.12 | 0.61 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Sodium, Solid* | 390 | | | 96 | 120 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Strontium, Solid* | 68 | | | 0.48 | 0.61 | 1 | mg/Kg | 148441 | | 05/11/05 1438 | tds |
| | Thallium, Solid* | ND | U | | 0.70 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X304
Date Sampled.....: 05/02/2005
Time Sampled.....: 17:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-4
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vanadium, Solid* | 17 | | | 0.18 | 0.61 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |
| | Zinc, Solid* | 390 | | | 1.7 | 2.5 | 1 | mg/Kg | 148313 | | 05/10/05 1512 | tds |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X307
Date Sampled.....: 05/03/2005
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-5
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 180000 | | | 9800 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 15000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 8300 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 9700 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 8900 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 44000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | 61000 | J | | 10000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 10000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | n-Nitroso di-n-propylamine, 3541 Low Solid* | ND | U | | 11000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 10000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 4-Methylphenol (m/p cresol), 3541 Low Solid | 240000 | | | 12000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2-Chlorophenol, 3541 Low Solid* | ND | U | | 9500 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 3600 | 13000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Solid* | ND | U | | 9500 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 9500 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 280000 | 640000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 9500 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2,4-Dimethylphenol, 3541 Low Solid* | 110000 | J | | 30000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 15000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Naphthalene, 3541 Low Solid* | 44000000 | | | 250000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 21000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 4-Chloroaniline, 3541 Low Solid* | ND | U | | 28000 | 260000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2,4,6-Trichlorophenol, 3541 Low Solid* | ND | U | | 26000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2,4,5-Trichlorophenol, 3541 Low Solid* | ND | U | | 28000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 44000 | 260000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2-Methylnaphthalene, 3541 Low Solid* | 4300000 | | | 280000 | 1300000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0800 | dpk |
| | 2-Nitroaniline, 3541 Low Solid* | ND | U | | 13000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2-Chloronaphthalene, 3541 Low Solid* | ND | U | | 8300 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X307
Date Sampled.....: 05/03/2005
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-5
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 21000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 9600 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 29000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 17000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 9600 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 100000 | 260000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 15000000 | | H | 250000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 14000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Acenaphthene, 3541 Low Solid* | 4800000 | | H | 250000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 10000000 | | H | 980000 | 6400000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 71000 | 260000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Fluorene, 3541 Low Solid* | 12000000 | | H | 240000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 18000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 4 Bromophenyl"phenyl ether, 3541 Low Soli* | ND | U | | 7400 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 7300 | 26000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 14000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 13000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 70000 | 260000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | n-Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 6500 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | 4,6-Dinitro 2 methylphenol, 3541 Low Soli* | ND | U | | 37000 | 130000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Phenanthrene, 3541 Low Solid* | 49000000 | | | 200000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | Anthracene, 3541 Low Solid* | 13000000 | | H | 270000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | Carbazole, 3541 Low Solid* | 5900000 | | | 150000 | 1300000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0800 | dpk |
| | Di-n butyl phthalate, 3541 Low Solid* | ND | U | | 7500 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 56000 | 260000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Fluoranthene, 3541 Low Solid* | 34000000 | | | 240000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | Pyrene, 3541 Low Solid* | 31000000 | | H | 290000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 9200 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 9700000 | | H | 250000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X307
Date Sampled.....: 05/03/2005
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-5
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 9600000 | | H | 260000 | 1300000 | 1000.000 | ug/Kg | 149122 | D2 | 05/14/05 0823 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 13000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Soli* | ND | U | | 27000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 11000 | 64000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2202 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 8600000 | | M | 63000 | 250000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0800 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 3900000 | | M | 70000 | 250000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0800 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 8300000 | | H | 29000 | 250000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0800 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 4600000 | | H | 51000 | 250000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0800 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 1100000 | | | 51000 | 250000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0800 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 5200000 | | | 68000 | 250000 | 200.0000 | ug/Kg | 149122 | D1 | 05/14/05 0800 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha-BHC, 3541 Solid* | ND | U | | 430 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | beta-BHC, 3541 Solid* | ND | U | | 630 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | delta-BHC, 3541 Solid* | ND | U | | 630 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | gamma-BHC (Lindane), 3541 Solid* | ND | U | | 440 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 410 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 400 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 420 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 450 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 400 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 420 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 420 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 450 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | 4,4'-DDD, 3541 Solid* | 1000 | | | 490 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 490 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | 4,4'-DDT, 3541 Solid* | ND | U | | 420 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 630 | 3700 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | alpha-Chlordane, 3541 Solid* | 1500 | | | 400 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X307
Date Sampled.....: 05/03/2005
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-5
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | 1700 | | | 67 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 4900 | 7500 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 540 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 580 | 760 | 20.0000 | ug/Kg | 148813 | | 05/13/05 0134 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 130 | 370 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2109 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 100 | 370 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2109 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 100 | 370 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2109 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 110 | 370 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2109 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 80 | 370 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2109 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 83 | 370 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2109 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 74 | 370 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2109 | bjt |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, High/Med Level* | ND | U | | 680 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Chloromethane, High/Med Level* | ND | U | | 620 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Vinyl chloride, High/Med Level* | ND | U | | 390 | 770 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Bromomethane, High/Med Level* | ND | U | | 1500 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Chloroethane, High/Med Level* | ND | U | | 590 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Trichlorofluoromethane, High/Med Level* | ND | U | | 510 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,1-Dichloroethene, High/Med Level* | ND | U | | 420 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Carbon disulfide, High/Med Level* | ND | U | | 270 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Acetone, High/Med Level* | ND | U | * | 1900 | 6100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Methylene chloride, High/Med Level* | ND | U | | 900 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | trans-1,2-Dichloroethene, High/Med Level* | ND | U | | 300 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Methyl-tert-butyl-ether (MTBE), High/Med*Level | ND | U | | 370 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,1-Dichloroethane, High/Med Level* | ND | U | | 300 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 2,2-Dichloropropane, High/Med Level* | ND | U | | 300 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X307
Date Sampled.....: 05/03/2005
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-5
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cis 1,2 Dichloroethene, High/Med Level* | ND | U | | 420 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 2 Butanone (MEK), High/Med Level* | ND | U | * | 1700 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Bromochloromethane, High/Med Level* | ND | U | | 490 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Chloroform, High/Med Level* | ND | U | | 300 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,1,1 Trichloroethane, High/Med Level* | ND | U | | 240 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,1 Dichloropropene, High/Med Level* | ND | U | | 640 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Carbon tetrachloride, High/Med Level* | ND | U | * | 900 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Benzene, High/Med Level* | 7700 | | | 130 | 770 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,2 Dichloroethane, High/Med Level* | ND | U | | 390 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Trichloroethene, High/Med Level* | ND | U | | 330 | 770 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,2 Dichloropropane, High/Med Level* | ND | U | | 400 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Dibromomethane, High/Med Level* | ND | U | | 450 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Bromodichloromethane, High/Med Level* | ND | U | | 260 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | cis 1,3 Dichloropropene, High/Med Level* | ND | U | | 280 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 4 Methyl 2 pentanone (MIBK), High/Med Lev*l | ND | U | | 1900 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Toluene, High/Med Level* | 5200 | | | 180 | 770 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | trans-1,3-Dichloropropene, High/Med Level* | ND | U | | 570 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,1,2 Trichloroethane, High/Med Level* | ND | U | | 510 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Tetrachloroethene, High/Med Level* | ND | U | | 590 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,3-Dichloropropane, High/Med Level* | ND | U | | 460 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 2 Hexanone, High/Med Level* | ND | U | * | 1900 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Dibromochloromethane, High/Med Level* | ND | U | | 400 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,2-Dibromoethane (EDB), High/Med Level* | ND | U | | 2000 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Chlorobenzene, High/Med Level* | ND | U | | 370 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,1,1,2-Tetrachloroethane, High/Med Level* | ND | U | | 310 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Ethylbenzene, High/Med Level* | ND | U | | 260 | 770 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | m&p-Xylenes, High/Med Level* | 5800 | | | 440 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | o-Xylene, High/Med Level* | 2100 | | | 220 | 770 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Styrene, High/Med Level* | 2600 | | | 490 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X307
Date Sampled.....: 05/03/2005
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-5
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bromoform, High/Med Level* | ND | U | | 540 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Isopropylbenzene, High/Med Level* | ND | U | | 630 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Bromobenzene, High/Med Level* | ND | U | | 480 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,1,2,2 Tetrachloroethane, High/Med Level* | ND | U | | 410 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,2,3 Trichloropropane, High/Med Level* | ND | U | | 720 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | n Propylbenzene, High/Med Level* | ND | U | | 980 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 2 Chlorotoluene, High/Med Level* | ND | U | | 750 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,3,5 Trimethylbenzene, High/Med Level* | ND | U | | 840 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 4 Chlorotoluene, High/Med Level* | ND | U | | 980 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | tert Butylbenzene, High/Med Level* | ND | U | | 890 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,2,4 Trimethylbenzene, High/Med Level* | 4000 | | | 760 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | sec Butylbenzene, High/Med Level* | ND | U | | 900 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,3 Dichlorobenzene, High/Med Level* | ND | U | | 840 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | p Isopropyltoluene, High/Med Level* | ND | U | | 1000 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,4 Dichlorobenzene, High/Med Level* | ND | U | | 730 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | n Butylbenzene, High/Med Level* | ND | U | | 1300 | 1500 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,2 Dichlorobenzene, High/Med Level* | ND | U | | 780 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,2 Dibromo 3 chloropropane, High/Med Lev*l | ND | U | | 1100 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,2,4 Trichlorobenzene, High/Med Level* | ND | U | | 2000 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | Hexachlorobutadiene, High/Med Level* | ND | U | | 1200 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| | 1,2,3 Trichlorobenzene, High/Med Level* | ND | U | | 1500 | 3100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1516 | jdn |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 65.3 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1346 | daj |
| | % Moisture, Solid | 34.7 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1346 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 35 | | | 0.6 | 3.2 | 5 | mg/Kg | 148375 | | 05/11/05 1359 | mtb |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X307
Date Sampled.....: 05/03/2005
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-5
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.4 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1403 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 5.2 | | | 0.093 | 0.26 | 10 | mg/Kg | 148150 | | 05/09/05 1612 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 310 | | | 7.2 | 29 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Antimony, Solid* | 0.80 | B | | 0.61 | 2.9 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Arsenic, Solid* | 3.5 | | | 0.53 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Barium, Solid* | 11 | | | 0.10 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Beryllium, Solid* | 0.11 | B | | 0.026 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Boron, Solid* | 3.8 | B | | 0.43 | 7.1 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Cadmium, Solid* | 1.4 | | | 0.083 | 0.29 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Calcium, Solid* | 2300 | | | 2.6 | 14 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Chromium, Solid* | 3.6 | | | 0.14 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Cobalt, Solid* | 0.43 | B | | 0.17 | 0.71 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Copper, Solid* | 10 | | | 0.31 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Iron, Solid* | 1900 | | | 3.1 | 14 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Lead, Solid* | 73 | | | 0.36 | 0.71 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Magnesium, Solid* | 220 | | | 1.4 | 14 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Manganese, Solid* | 59 | | | 0.076 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Nickel, Solid* | 2.0 | | | 0.68 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Potassium, Solid* | 49 | B | | 8.6 | 71 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Selenium, Solid* | 2.5 | | | 0.64 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Silver, Solid* | ND | U | | 0.14 | 0.71 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Sodium, Solid* | ND | U | | 110 | 140 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Strontium, Solid* | 6.8 | | | 0.56 | 0.71 | 1 | mg/Kg | 148441 | | 05/11/05 1444 | tds |
| | Thallium, Solid* | 1.5 | | | 0.81 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X307
Date Sampled.....: 05/03/2005
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-5
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vanadium, Solid* | 2.0 | | | 0.21 | 0.71 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |
| | Zinc, Solid* | 170 | | | 2.0 | 2.9 | 1 | mg/Kg | 148313 | | 05/10/05 1518 | tds |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X305
Date Sampled.....: 05/03/2005
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-6
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | ND | U | | 1900 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 3000 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1600 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1900 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 8600 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | ND | U | | 2000 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low So*id | ND | U | | 2000 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | n Nitroso di n propylamine, 3541 Low Soli* | ND | U | | 2100 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 2000 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Sol*d | ND | U | | 2400 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 1900 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 700 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Bis(2-chloroethoxy)methane, 3541 Low Soli* | ND | U | | 1800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 1800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 54000 | 120000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 1800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2,4-Dimethylphenol, 3541 Low Solid* | ND | U | | 5900 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 2800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Naphthalene, 3541 Low Solid* | 190000 | | | 490 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 4200 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 4-Chloroaniline, 3541 Low Solid* | ND | U | | 5400 | 50000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2,4,6-Trichlorophenol, 3541 Low Solid* | ND | U | | 5000 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2,4,5-Trichlorophenol, 3541 Low Solid* | ND | U | | 5500 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 8500 | 50000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2-Methylnaphthalene, 3541 Low Solid* | 74000 | | | 2700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2-Nitroaniline, 3541 Low Solid* | ND | U | | 2500 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 1600 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X305
Date Sampled.....: 05/03/2005
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-6
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 4100 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 1900 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 5600 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 3200 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 1900 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 20000 | 50000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 39000 | | H | 480 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 2800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Acenaphthene, 3541 Low Solid* | 14000 | | | 480 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 45000 | | | 1900 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 14000 | 50000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Fluorene, 3541 Low Solid* | 50000 | | | 470 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 3500 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 1400 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 1400 | 5000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 2700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 2500 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 14000 | 50000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | n-Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 1300 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 4,6 Dinitro 2 methylphenol, 3541 Low Soli* | ND | U | | 7200 | 25000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Phenanthrene, 3541 Low Solid* | 190000 | | | 390 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Anthracene, 3541 Low Solid* | 43000 | | | 530 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Carbazole, 3541 Low Solid* | 13000 | | | 1400 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Di n butyl phthalate, 3541 Low Solid* | ND | U | | 1500 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 11000 | 50000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Fluoranthene, 3541 Low Solid* | 75000 | | | 460 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Pyrene, 3541 Low Solid* | 56000 | | H | 560 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 1800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 58000 | | | 480 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc

LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X305
Date Sampled.....: 05/03/2005
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-6
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL * | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 58000 | | H | 500 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 2500 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 5300 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 2200 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 53000 | | M | 610 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 28000 | | M | 690 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 33000 | | H | 280 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 17000 | | H | 490 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 6400 | | H | 500 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 21000 | | H | 660 | 2500 | 10.00000 | ug/Kg | 149122 | | 05/12/05 2226 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 93 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | beta BHC, 3541 Solid* | ND | U | | 130 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 130 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 94 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 87 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 85 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 90 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 96 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 85 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 90 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 91 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 96 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | 4,4' DDD, 3541 Solid* | 1000 | | | 110 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 110 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | 4,4' DDT, 3541 Solid* | ND | U | | 89 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 130 | 800 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 85 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X305
Date Sampled.....: 05/03/2005
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-6
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 14 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 1100 | 1600 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 120 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 120 | 160 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0202 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 54 | 160 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2134 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 44 | 160 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2134 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 43 | 160 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2134 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 47 | 160 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2134 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 35 | 160 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2134 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 36 | 160 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2134 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 32 | 160 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2134 | bjt |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, High/Med Level* | ND | U | | 290 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Chloromethane, High/Med Level* | ND | U | | 270 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Vinyl chloride, High/Med Level* | ND | U | | 160 | 330 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Bromomethane, High/Med Level* | ND | U | | 630 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Chloroethane, High/Med Level* | ND | U | | 250 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Trichlorofluoromethane, High/Med Level* | ND | U | | 220 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,1-Dichloroethene, High/Med Level* | ND | U | | 180 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Carbon disulfide, High/Med Level* | ND | U | | 120 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Acetone, High/Med Level* | ND | U | * | 800 | 2600 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Methylene chloride, High/Med Level* | ND | U | | 390 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | trans-1,2-Dichloroethene, High/Med Level* | ND | U | | 130 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Methyl-tert-butyl ether (MTBE), High/Med*Level | ND | U | | 160 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,1-Dichloroethane, High/Med Level* | ND | U | | 130 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 2,2-Dichloropropane, High/Med Level* | ND | U | | 130 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X305
Date Sampled.....: 05/03/2005
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-6
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cis 1,2 Dichloroethene, High/Med Level* | ND | U | | 180 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 2 Butanone (MEK), High/Med Level* | ND | U | * | 720 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Bromochloromethane, High/Med Level* | ND | U | | 210 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Chloroform, High/Med Level* | ND | U | | 130 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,1,1 Trichloroethane, High/Med Level* | ND | U | | 100 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,1 Dichloropropene, High/Med Level* | ND | U | | 270 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Carbon tetrachloride, High/Med Level* | ND | U | * | 380 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Benzene, High/Med Level* | ND | U | | 57 | 330 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,2 Dichloroethane, High/Med Level* | ND | U | | 170 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Trichloroethene, High/Med Level* | ND | U | | 140 | 330 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,2-Dichloropropane, High/Med Level* | ND | U | | 170 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Dibromomethane, High/Med Level* | ND | U | | 190 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Bromodichloromethane, High/Med Level* | ND | U | | 110 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | cis-1,3-Dichloropropene, High/Med Level* | ND | U | | 120 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 4-Methyl 2-pentanone (MIBK), High/Med Lev*l | ND | U | | 830 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Toluene, High/Med Level* | ND | U | | 76 | 330 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | trans-1,3 Dichloropropene, High/Med Level* | ND | U | | 240 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,1,2-Trichloroethane, High/Med Level* | ND | U | | 220 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Tetrachloroethene, High/Med Level* | ND | U | | 250 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,3-Dichloropropane, High/Med Level* | ND | U | | 200 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 2-Hexanone, High/Med Level* | ND | U | * | 800 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Dibromochloromethane, High/Med Level* | ND | U | | 170 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,2-Dibromoethane (EDB), High/Med Level* | ND | U | | 870 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Chlorobenzene, High/Med Level* | ND | U | | 160 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,1,1,2-Tetrachloroethane, High/Med Level* | ND | U | | 130 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Ethylbenzene, High/Med Level* | ND | U | | 110 | 330 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | m&p-Xylenes, High/Med Level* | ND | U | | 190 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | o-Xylene, High/Med Level* | ND | U | | 93 | 330 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Styrene, High/Med Level* | ND | U | | 210 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X305
Date Sampled.....: 05/03/2005
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-6
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bromoform, High/Med Level* | ND | U | | 230 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Isopropylbenzene, High/Med Level* | ND | U | | 270 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Bromobenzene, High/Med Level* | ND | U | | 200 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,1,2,2 Tetrachloroethane, High/Med Level* | ND | U | | 180 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,2,3 Trichloropropane, High/Med Level* | ND | U | | 310 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | n Propylbenzene, High/Med Level* | ND | U | | 420 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 2 Chlorotoluene, High/Med Level* | ND | U | | 320 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,3,5 Trimethylbenzene, High/Med Level* | ND | U | | 360 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 4 Chlorotoluene, High/Med Level* | ND | U | | 420 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | tert Butylbenzene, High/Med Level* | ND | U | | 380 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,2,4 Trimethylbenzene, High/Med Level* | 1700 | | | 320 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | sec Butylbenzene, High/Med Level* | ND | U | | 380 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,3-Dichlorobenzene, High/Med Level* | ND | U | | 360 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | p Isopropyltoluene, High/Med Level* | ND | U | | 440 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,4 Dichlorobenzene, High/Med Level* | ND | U | | 310 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | n Butylbenzene, High/Med Level* | ND | U | | 570 | 650 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,2-Dichlorobenzene, High/Med Level* | ND | U | | 330 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,2-Dibromo-3-chloropropane, High/Med Lev*l | ND | U | | 460 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,2,4-Trichlorobenzene, High/Med Level* | ND | U | | 840 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | Hexachlorobutadiene, High/Med Level* | ND | U | | 510 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| | 1,2,3 Trichlorobenzene, High/Med Level* | ND | U | | 640 | 1300 | 10.000 | ug/Kg | 148829 | | 05/15/05 1601 | jdn |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 76.6 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1349 | daj |
| | % Moisture, Solid | 23.4 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1349 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 180 | | | 2 | 14 | 25 | mg/Kg | 148134 | | 05/09/05 1451 | mtb |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X305
Date Sampled.....: 05/03/2005
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-6
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 5.6 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1404 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 6.5 | | | 0.16 | 0.44 | 20 | mg/Kg | 148150 | | 05/09/05 1615 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 6500 | | | 6.4 | 26 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Antimony, Solid* | ND | U | | 0.55 | 2.6 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Arsenic, Solid* | 6.5 | | | 0.47 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Barium, Solid* | 530 | | | 0.092 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Beryllium, Solid* | 0.60 | | | 0.023 | 0.51 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Boron, Solid* | 19 | | | 0.38 | 6.4 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Cadmium, Solid* | ND | U | | 0.074 | 0.26 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Calcium, Solid* | 6000 | | | 2.3 | 13 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Chromium, Solid* | 29 | | | 0.13 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Cobalt, Solid* | 2.2 | | | 0.15 | 0.64 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Copper, Solid* | 16 | | | 0.28 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Iron, Solid* | 30000 | | | 2.8 | 13 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Lead, Solid* | 86 | | | 0.32 | 0.64 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Magnesium, Solid* | 1200 | | | 1.3 | 13 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Manganese, Solid* | 160 | | | 0.068 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Nickel, Solid* | 9.4 | | | 0.61 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Potassium, Solid* | 420 | | | 7.7 | 64 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Selenium, Solid* | ND | U | | 0.57 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Silver, Solid* | ND | U | | 0.13 | 0.64 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Sodium, Solid* | 1700 | | | 100 | 130 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Strontium, Solid* | 260 | | | 0.50 | 0.64 | 1 | mg/Kg | 148441 | | 05/11/05 1514 | tds |
| | Thallium, Solid* | ND | U | | 0.73 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X305
Date Sampled.....: 05/03/2005
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-6
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vanadium, Solid* | 17 | | | 0.19 | 0.64 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |
| | Zinc, Solid* | 75 | | | 1.7 | 2.6 | 1 | mg/Kg | 148313 | | 05/10/05 1550 | tds |

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236327 Date:05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Customer Sample ID: X 202
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-7
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 560 | J | | 400 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 630 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 340 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 400 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 360 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 1800 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | ND | U | | 420 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 420 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | n Nitroso di n propylamine, 3541 Low Solid* | ND | U | | 450 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 420 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Solid | 1000 | J | | 500 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 390 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 150 | 520 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Solid* | ND | U | | 390 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 390 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 11000 | 26000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 390 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2,4-Dimethylphenol, 3541 Low Solid* | ND | U | | 1200 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 600 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Naphthalene, 3541 Low Solid* | 28000 | | | 520 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 880 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 1100 | 10000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2,4,6-Trichlorophenol, 3541 Low Solid* | ND | U | | 1100 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2,4,5-Trichlorophenol, 3541 Low Solid* | ND | U | | 1200 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 1800 | 10000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 9800 | | | 580 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 530 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 340 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 202
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-7
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 850 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 390 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 1200 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 680 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 390 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 4200 | 10000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 6200 | | | 510 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 590 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Acenaphthene, 3541 Low Solid* | 3300 | | | 500 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 7000 | | | 400 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 2900 | 10000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Fluorene, 3541 Low Solid* | 11000 | | | 490 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 740 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 300 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 300 | 1000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 560 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 530 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 2900 | 10000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 270 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | 4,6 Dinitro 2 methylphenol, 3541 Low Soli* | ND | U | | 1500 | 5200 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Phenanthrene, 3541 Low Solid* | 58000 | | | 420 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Anthracene, 3541 Low Solid* | 23000 | | | 560 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Carbazole, 3541 Low Solid* | 9100 | | | 300 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Di-n-butyl phthalate, 3541 Low Solid* | ND | U | | 310 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 2300 | 10000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Fluoranthene, 3541 Low Solid* | 70000 | | | 490 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Pyrene, 3541 Low Solid* | 54000 | | | 590 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 380 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 39000 | | | 510 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 202
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-7
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 39000 | | H | 520 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 520 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 1100 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 460 | 2600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2250 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 33000 | | M | 640 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 29000 | | M | 720 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 36000 | | H | 300 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 22000 | | | 520 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 12000 | | | 520 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 25000 | | | 700 | 2600 | 25.00000 | ug/Kg | 149122 | D1 | 05/13/05 1953 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha-BHC, 3541 Solid* | ND | U | | 30 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | beta-BHC, 3541 Solid* | ND | U | | 43 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | delta-BHC, 3541 Solid* | ND | U | | 43 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 30 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 28 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 27 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 29 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 31 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 27 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 29 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 29 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 31 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | 4,4'-DDD, 3541 Solid* | ND | U | | 34 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 34 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | 4,4'-DDT, 3541 Solid* | ND | U | | 29 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 43 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 27 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 202
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327 7
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 4.6 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 340 | 510 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 37 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 40 | 52 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0257 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 17 | 51 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2224 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 14 | 51 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2224 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 14 | 51 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2224 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 15 | 51 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2224 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 11 | 51 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2224 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 11 | 51 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2224 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 10 | 51 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2224 | bjt |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 63.6 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1351 | daj |
| | % Moisture, Solid | 36.4 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1351 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 83 | | | 0.7 | 3.9 | 5 | mg/Kg | 148375 | | 05/11/05 1400 | mtb |
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.8 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1405 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 0.11 | | | 0.0096 | 0.026 | 1 | mg/Kg | 148150 | | 05/09/05 1510 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 1000 | | | 7.8 | 31 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |

* In Description = Dry Wgt

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 202
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-7
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Antimony, Solid* | 0.71 | B | | 0.66 | 3.1 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Arsenic, Solid* | 2.6 | | | 0.57 | 1.5 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Barium, Solid* | 50 | | | 0.11 | 1.5 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Beryllium, Solid* | 0.99 | | | 0.028 | 0.62 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Boron, Solid* | 7.4 | B | | 0.46 | 7.7 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Cadmium, Solid* | 0.13 | B | | 0.089 | 0.31 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Calcium, Solid* | 3600 | | | 2.8 | 15 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Chromium, Solid* | 10 | | | 0.15 | 1.5 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Cobalt, Solid* | 3.5 | | | 0.18 | 0.77 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Copper, Solid* | 16 | | | 0.34 | 1.5 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Iron, Solid* | 4800 | | | 3.4 | 15 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Lead, Solid* | 17 | | | 0.38 | 0.77 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Magnesium, Solid* | 1200 | | | 1.6 | 15 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Manganese, Solid* | 140 | | | 0.082 | 1.5 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Nickel, Solid* | 9.1 | | | 0.74 | 1.5 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Potassium, Solid* | 140 | | | 9.2 | 77 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Selenium, Solid* | 1.2 | B | | 0.69 | 1.5 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Silver, Solid* | ND | U | | 0.15 | 0.77 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Sodium, Solid* | 160 | | | 120 | 150 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Strontium, Solid* | 41 | | | 0.60 | 0.77 | 1 | mg/Kg | 148441 | | 05/11/05 1520 | tds |
| | Thallium, Solid* | ND | U | | 0.88 | 1.5 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Vanadium, Solid* | 19 | | | 0.23 | 0.77 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| | Zinc, Solid* | 56 | | | 2.1 | 3.1 | 1 | mg/Kg | 148313 | | 05/10/05 1556 | tds |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, Solid* | ND | U | | 1.4 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Chloromethane, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Vinyl chloride, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Bromomethane, Solid* | ND | U | | 4.2 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 202
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-7
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chloromethane, Solid* | ND | U | | 4.9 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Trichlorofluoromethane, Solid* | ND | U | | 1.5 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,1 Dichloroethene, Solid* | ND | U | | 2.0 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Carbon disulfide, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Acetone, Solid* | 18 | | M* | 5.0 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Methylene chloride, Solid* | ND | U | | 2.5 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | trans 1,2 Dichloroethene, Solid* | ND | U | | 1.2 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Methyl tert butyl ether (MTBE), Solid* | ND | U | | 0.86 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,1 Dichloroethane, Solid* | ND | U | | 0.93 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 2,2 Dichloropropane, Solid* | ND | U | | 2.2 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | cis 1,2 Dichloroethene, Solid* | ND | U | | 0.88 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 2 Butanone (MEK), Solid* | ND | U | | 3.5 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Bromochloromethane, Solid* | ND | U | | 1.2 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Chloroform, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,1,1 Trichloroethane, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,1 Dichloropropene, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Carbon tetrachloride, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Benzene, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,2-Dichloroethane, Solid* | ND | U | | 0.86 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Trichloroethene, Solid* | ND | U | | 1.0 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,2-Dichloropropane, Solid* | ND | U | | 0.86 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Dibromomethane, Solid* | ND | U | | 1.3 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Bromodichloromethane, Solid* | ND | U | | 0.90 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | cis-1,3-Dichloropropene, Solid* | ND | U | * | 0.91 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 4 Methyl 2-pentanone (MIBK), Solid* | ND | U | | 0.97 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Toluene, Solid* | ND | U | | 2.7 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | trans 1,3 Dichloropropene, Solid* | ND | U | * | 0.94 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,1,2 Trichloroethane, Solid* | ND | U | | 1.3 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Tetrachloroethene, Solid* | ND | U | | 1.4 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 202
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-7
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,3 Dichloropropane, Solid* | ND | U | | 0.96 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 2 Hexanone, Solid* | ND | U | | 1.9 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Dibromochloromethane, Solid* | ND | U | | 1.0 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,2 Dibromoethane (EDB), Solid* | ND | U | | 1.0 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Chlorobenzene, Solid* | ND | U | | 0.88 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,1,1,2 Tetrachloroethane, Solid* | ND | U | | 0.94 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Ethylbenzene, Solid* | ND | U | | 1.0 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | m&p Xylenes, Solid* | ND | U | | 1.9 | 16 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | o Xylene, Solid* | ND | U | | 0.97 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Styrene, Solid* | ND | U | | 0.97 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Bromoform, Solid* | ND | U | | 1.2 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Isopropylbenzene, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | Bromobenzene, Solid* | ND | U | | 0.71 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,1,2,2 Tetrachloroethane, Solid* | ND | U | | 0.97 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,2,3 Trichloropropane, Solid* | ND | U | | 1.9 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | n Propylbenzene, Solid* | ND | U | | 1.2 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 2 Chlorotoluene, Solid* | ND | U | | 1.0 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,3,5 Trimethylbenzene, Solid* | ND | U | | 1.3 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 4 Chlorotoluene, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | tert-Butylbenzene, Solid* | ND | U | | 1.2 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,2,4-Trimethylbenzene, Solid* | ND | U | | 1.3 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | sec-Butylbenzene, Solid* | ND | U | | 1.3 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,3-Dichlorobenzene, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | p Isopropyltoluene, Solid* | ND | U | | 1.3 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,4-Dichlorobenzene, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | n Butylbenzene, Solid* | ND | U | | 1.7 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,2-Dichlorobenzene, Solid* | ND | U | | 1.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,2 Dibromo-3-chloropropane, Solid* | ND | U | | 2.4 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,2,4 Trichlorobenzene, Solid* | ND | U | | 1.9 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 202
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-7
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hexachlorobutadiene, Solid* | ND | U | | 4.1 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |
| | 1,2,3 Trichlorobenzene, Solid* | ND | U | | 1.7 | 7.9 | 1.00000 | ug/Kg | 148472 | | 05/11/05 1728 | jmp |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 203
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-8
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 1800 | J | | 670 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 1100 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 570 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 670 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 610 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 3100 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | 900 | J | | 710 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 700 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | n Nitroso di n propylamine, 3541 Low Solid* | ND | U | | 760 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 710 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Solid | 2900 | J | | 850 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 660 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 250 | 870 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Soli* | ND | U | | 650 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 650 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 19000 | 44000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 650 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2,4 Dimethylphenol, 3541 Low Solid* | ND | U | | 2100 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 1000 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Naphthalene, 3541 Low Solid* | 200000 | | | 1700 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 1500 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 1900 | 18000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2,4,6-Trichlorophenol, 3541 Low Solid* | ND | U | | 1800 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2,4,5 Trichlorophenol, 3541 Low Solid* | ND | U | | 1900 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 3000 | 18000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 46000 | | | 970 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 890 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 570 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |

* In Description = Dry Wgt

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# LABORATORY TEST RESULTS

Job Number: 23627

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 203
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-8
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 1400 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 660 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 2000 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 1100 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 660 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 7000 | 18000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 24000 | | | 1700 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 990 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Acenaphthene, 3541 Low Solid* | 14000 | | | 1700 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 48000 | | | 670 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 4900 | 18000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Fluorene, 3541 Low Solid* | 56000 | | | 1700 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 1200 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 510 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 500 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 940 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 890 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 4800 | 18000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | n-Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 450 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | 4,6-Dinitro-2 methylphenol, 3541 Low Soli* | ND | U | | 2500 | 8700 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Phenanthrene, 3541 Low Solid* | 170000 | | | 1400 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Anthracene, 3541 Low Solid* | 77000 | | | 1900 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Carbazole, 3541 Low Solid* | 23000 | | | 510 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Di-n-butyl phthalate, 3541 Low Solid* | ND | U | | 510 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 3800 | 18000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Fluoranthene, 3541 Low Solid* | 170000 | | | 1600 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Pyrene, 3541 Low Solid* | 120000 | | | 2000 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 640 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 77000 | | | 1700 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 203
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-8
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 89000 | | H | 1800 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 880 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 1900 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 780 | 4400 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2314 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 77000 | | M | 2200 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 46000 | | M | 2400 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 73000 | | H | 1000 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 45000 | | | 1700 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 25000 | | | 1800 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 53000 | | | 2300 | 8700 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2015 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 120 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | beta BHC, 3541 Solid* | ND | U | | 170 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 170 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 120 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 110 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 110 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 110 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 120 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 110 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | 4,4' DDE, 3541 Solid* | ND | U | | 110 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 120 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 120 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | 4,4' DDD, 3541 Solid* | ND | U | | 130 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 130 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | 4,4' DDT, 3541 Solid* | ND | U | | 110 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 170 | 1000 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 110 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 203
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-8
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 18 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 1300 | 2000 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 150 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 160 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0325 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 68 | 200 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2248 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 56 | 200 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2248 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 55 | 200 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2248 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 60 | 200 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2248 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 44 | 200 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2248 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 45 | 200 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2248 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 40 | 200 | 1.00000 | ug/Kg | 148956 | | 05/12/05 2248 | bjt |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 56.9 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1354 | daj |
| | % Moisture, Solid | 43.1 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1354 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 16 | | | 0.2 | 0.9 | 1 | mg/Kg | 148375 | | 05/11/05 1400 | mtb |
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.4 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1406 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 0.19 | | | 0.011 | 0.029 | 1 | mg/Kg | 148150 | | 05/09/05 1513 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 1500 | | | 8.3 | 33 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 203
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-8
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Antimony, Solid* | ND | U | | 0.71 | 3.3 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Arsenic, Solid* | 4.7 | | | 0.61 | 1.6 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Barium, Solid* | 100 | | | 0.12 | 1.6 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Beryllium, Solid* | 0.98 | | | 0.030 | 0.66 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Boron, Solid* | 8.1 | B | | 0.49 | 8.2 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Cadmium, Solid* | 0.23 | B | | 0.095 | 0.33 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Calcium, Solid* | 3000 | | | 3.0 | 16 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Chromium, Solid* | 8.2 | | | 0.16 | 1.6 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Cobalt, Solid* | 5.4 | | | 0.20 | 0.82 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Copper, Solid* | 21 | | | 0.36 | 1.6 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Iron, Solid* | 4800 | | | 3.6 | 16 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Lead, Solid* | 24 | | | 0.41 | 0.82 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Magnesium, Solid* | 970 | | | 1.7 | 16 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Manganese, Solid* | 100 | | | 0.087 | 1.6 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Nickel, Solid* | 15 | | | 0.79 | 1.6 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Potassium, Solid* | 270 | | | 9.8 | 82 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Selenium, Solid* | 1.8 | | | 0.74 | 1.6 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Silver, Solid* | ND | U | | 0.16 | 0.82 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Sodium, Solid* | ND | U | | 130 | 160 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Strontium, Solid* | 56 | | | 0.64 | 0.82 | 1 | mg/Kg | 148441 | | 05/11/05 1526 | tds |
| | Thallium, Solid* | ND | U | | 0.94 | 1.6 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Vanadium, Solid* | 34 | | | 0.25 | 0.82 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| | Zinc, Solid* | 75 | | | 2.2 | 3.3 | 1 | mg/Kg | 148313 | | 05/10/05 1602 | tds |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, Solid* | ND | U | | 1.5 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Chloromethane, Solid* | ND | U | | 1.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Vinyl chloride, Solid* | ND | U | | 1.2 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Bromomethane, Solid* | ND | U | | 4.7 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 203
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-8
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME* | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chloroethane, Solid* | ND | U | | 5.4 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Trichlorofluoromethane, Solid* | ND | U | | 1.7 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,1 Dichloroethene, Solid* | ND | U | | 2.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Carbon disulfide, Solid* | ND | U | | 1.2 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Acetone, Solid* | 15 | | | 5.6 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Methylene chloride, Solid* | ND | U | | 2.8 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | trans 1,2 Dichloroethene, Solid* | ND | U | | 1.4 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Methyl tert butyl ether (MTBE), Solid* | ND | U | | 0.97 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,1 Dichloroethane, Solid* | ND | U | | 1.0 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 2,2 Dichloropropane, Solid* | ND | U | | 2.5 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | cis 1,2 Dichloroethene, Solid* | ND | U | | 0.98 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 2 Butanone (MEK), Solid* | ND | U | | 3.9 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Bromochloromethane, Solid* | ND | U | | 1.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Chloroform, Solid* | ND | U | | 1.2 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,1,1 Trichloroethane, Solid* | ND | U | | 1.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,1 Dichloropropene, Solid* | ND | U | | 1.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Carbon tetrachloride, Solid* | ND | U | | 1.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Benzene, Solid* | ND | U | | 1.2 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,2 Dichloroethane, Solid* | ND | U | | 0.97 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Trichloroethene, Solid* | ND | U | | 1.2 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,2 Dichloropropane, Solid* | ND | U | | 0.97 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Dibromomethane, Solid* | ND | U | | 1.4 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Bromodichloromethane, Solid* | ND | U | | 1.0 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | cis 1,3 Dichloropropene, Solid* | ND | U | | 1.0 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 4 Methyl 2 pentanone (MIBK), Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Toluene, Solid* | ND | U | | 3.0 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | trans 1,3 Dichloropropene, Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,1,2 Trichloroethane, Solid* | ND | U | | 1.4 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Tetrachloroethene, Solid* | ND | U | | 1.6 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 203
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-8
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,3 Dichloropropane, Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 2 Hexanone, Solid* | ND | U | | 2.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Dibromochloromethane, Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,2 Dibromoethane (EDB), Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Chlorobenzene, Solid* | ND | U | | 0.98 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,1,1,2 Tetrachloroethane, Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Ethylbenzene, Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | m&p Xylenes, Solid* | ND | U | | 2.1 | 18 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | o Xylene, Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Styrene, Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Bromoform, Solid* | ND | U | | 1.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Isopropylbenzene, Solid* | ND | U | | 1.2 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | Bromobenzene, Solid* | ND | U | | 0.79 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,1,2,2 Tetrachloroethane, Solid* | ND | U | | 1.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,2,3 Trichloropropane, Solid* | ND | U | | 2.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | n Propylbenzene, Solid* | ND | U | | 1.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 2 Chlorotoluene, Solid* | ND | U | | 1.2 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,3,5 Trimethylbenzene, Solid* | ND | U | | 1.4 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 4 Chlorotoluene, Solid* | ND | U | | 1.2 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | tert Butylbenzene, Solid* | ND | U | | 1.4 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,2,4 Trimethylbenzene, Solid* | ND | U | | 1.5 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | sec Butylbenzene, Solid* | ND | U | | 1.5 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,3 Dichlorobenzene, Solid* | ND | U | | 1.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | p Isopropyltoluene, Solid* | ND | U | | 1.4 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,4 Dichlorobenzene, Solid* | ND | U | | 1.2 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | n Butylbenzene, Solid* | ND | U | | 1.9 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,2 Dichlorobenzene, Solid* | ND | U | | 1.3 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,2 Dibromo-3 chloropropane, Solid* | ND | U | | 2.6 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,2,4 Trichlorobenzene, Solid* | ND | U | | 2.1 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 203
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-8
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL * | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hexachlorobutadiene, Solid* | ND | U | | 4.6 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |
| | 1,2,3 Trichlorobenzene, Solid* | ND | U | | 1.9 | 8.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1559 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: [illegible]

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 204
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-9
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL * | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 1200 | J | | 620 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 980 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 530 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 620 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 570 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 2800 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | 800 | J | | 650 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 650 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | n Nitroso di n propylamine, 3541 Low Soli* | ND | U | | 700 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 650 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Sol*d | 2200 | J | | 780 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 600 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 230 | 800 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Soli* | ND | U | | 600 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 600 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 17000 | 41000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 600 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2,4 Dimethylphenol, 3541 Low Solid* | ND | U | | 1900 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 930 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Naphthalene, 3541 Low Solid* | 140000 | | | 1600 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 1400 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 1800 | 16000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2,4,6 Trichlorophenol, 3541 Low Solid* | ND | U | | 1600 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2,4,5 Trichlorophenol, 3541 Low Solid* | ND | U | | 1800 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 2800 | 16000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 33000 | | | 890 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 820 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 530 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 204
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-9
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 1300 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 610 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 1800 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 1100 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 610 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 6500 | 16000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 16000 | | | 1600 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 910 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Acenaphthene, 3541 Low Solid* | 11000 | | | 1600 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 34000 | | | 620 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 4500 | 16000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Fluorene, 3541 Low Solid* | 39000 | | | 1500 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 1100 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 470 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 460 | 1600 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 860 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 820 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 4500 | 16000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 410 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | 4,6 Dinitro-2 methylphenol, 3541 Low Soli* | ND | U | | 2300 | 8000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Phenanthrene, 3541 Low Solid* | 120000 | | | 1300 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Anthracene, 3541 Low Solid* | 59000 | | | 1700 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Carbazole, 3541 Low Solid* | 16000 | | | 470 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Di-n-butyl phthalate, 3541 Low Solid* | ND | U | | 470 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 3500 | 16000 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Fluoranthene, 3541 Low Solid* | 120000 | | | 1500 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Pyrene, 3541 Low Solid* | 88000 | | | 1800 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 580 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 54000 | | | 1600 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 204
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-9
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 60000 | | H | 1600 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 810 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Bis(2-ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 1700 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Di-n-octyl phthalate, 3541 Low Solid* | ND | U | | 720 | 4100 | 5.00000 | ug/Kg | 149122 | | 05/12/05 2337 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 45000 | | M | 2000 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 39000 | | M | 2200 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 54000 | | H | 920 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Indeno(1,2,3-cd)pyrene, 3541 Low Solid* | 31000 | | | 1600 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 17000 | | | 1600 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 37000 | | | 2200 | 8000 | 50.00000 | ug/Kg | 149122 | D1 | 05/13/05 2037 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 25 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | beta BHC, 3541 Solid* | ND | U | | 36 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 36 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 25 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 23 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 23 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 24 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 26 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 23 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 24 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 24 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 26 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | 4,4'-DDD, 3541 Solid* | ND | U | | 28 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 28 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | 4,4'-DDT, 3541 Solid* | ND | U | | 24 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 36 | 210 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 23 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 204
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-9
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 3.8 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 280 | 430 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 31 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 33 | 44 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0638 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 14 | 43 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0912 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 12 | 43 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0912 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 12 | 43 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0912 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 13 | 43 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0912 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 9.2 | 43 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0912 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 9.5 | 43 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0912 | bjt |
| | Aroclor 1260, 3541 Solid* | 24 | J | | 8.5 | 43 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0912 | bjt |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 58.3 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1356 | daj |
| | % Moisture, Solid | 41.7 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1356 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 8.6 | | | 0.1 | 0.6 | 1 | mg/Kg | 148375 | | 05/11/05 1401 | mtb |
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.1 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1408 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 0.23 | | | 0.010 | 0.029 | 1 | mg/Kg | 148150 | | 05/09/05 1515 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 1500 | | | 8.4 | 33 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 204
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-9
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Antimony, Solid* | 0.78 | B | | 0.71 | 3.3 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Arsenic, Solid* | 4.2 | | | 0.61 | 1.7 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Barium, Solid* | 89 | | | 0.12 | 1.7 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Beryllium, Solid* | 0.89 | | | 0.030 | 0.66 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Boron, Solid* | 7.9 | B | | 0.50 | 8.3 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Cadmium, Solid* | 0.23 | B | | 0.096 | 0.33 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Calcium, Solid* | 3000 | | | 3.1 | 17 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Chromium, Solid* | 7.0 | | | 0.17 | 1.7 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Cobalt, Solid* | 4.9 | | | 0.20 | 0.83 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Copper, Solid* | 20 | | | 0.37 | 1.7 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Iron, Solid* | 4800 | | | 3.7 | 17 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Lead, Solid* | 23 | | | 0.42 | 0.83 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Magnesium, Solid* | 980 | | | 1.7 | 17 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Manganese, Solid* | 110 | | | 0.088 | 1.7 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Nickel, Solid* | 12 | | | 0.80 | 1.7 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Potassium, Solid* | 260 | | | 10 | 83 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Selenium, Solid* | 1.2 | B | | 0.75 | 1.7 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Silver, Solid* | ND | U | | 0.17 | 0.83 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Sodium, Solid* | ND | U | | 130 | 170 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Strontium, Solid* | 48 | | | 0.65 | 0.83 | 1 | mg/Kg | 148441 | | 05/11/05 1532 | tds |
| | Thallium, Solid* | ND | U | | 0.95 | 1.7 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Vanadium, Solid* | 29 | | | 0.25 | 0.83 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| | Zinc, Solid* | 76 | | | 2.3 | 3.3 | 1 | mg/Kg | 148313 | | 05/10/05 1609 | tds |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, Solid* | ND | U | | 1.5 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Chloromethane, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Vinyl chloride, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Bromomethane, Solid* | ND | U | | 4.6 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 236327

# LABORATORY TEST RESULTS

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 204
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-9
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chloroethane, Solid* | ND | U | | 5.3 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Trichlorofluoromethane, Solid* | ND | U | | 1.6 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,1 Dichloroethene, Solid* | ND | U | | 2.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Carbon disulfide, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Acetone, Solid* | 25 | | | 5.5 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Methylene chloride, Solid* | ND | U | | 2.7 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | trans 1,2 Dichloroethene, Solid* | ND | U | | 1.3 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Methyl tert butyl ether (MTBE), Solid* | ND | U | | 0.94 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,1 Dichloroethane, Solid* | ND | U | | 1.0 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 2,2 Dichloropropane, Solid* | ND | U | | 2.4 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | cis 1,2 Dichloroethene, Solid* | ND | U | | 0.96 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 2 Butanone (MEK), Solid* | ND | U | | 3.8 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Bromochloromethane, Solid* | ND | U | | 1.3 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Chloroform, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,1,1 Trichloroethane, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,1 Dichloropropene, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Carbon tetrachloride, Solid* | ND | U | | 1.3 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Benzene, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,2 Dichloroethane, Solid* | ND | U | | 0.94 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Trichloroethene, Solid* | ND | U | | 1.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,2 Dichloropropane, Solid* | ND | U | | 0.94 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Dibromomethane, Solid* | ND | U | | 1.4 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Bromodichloromethane, Solid* | ND | U | | 0.98 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | cis 1,3 Dichloropropene, Solid* | ND | U | | 0.99 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 4 Methyl 2 pentanone (MIBK), Solid* | ND | U | | 1.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Toluene, Solid* | ND | U | | 2.9 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | trans 1,3 Dichloropropene, Solid* | ND | U | | 1.0 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,1,2 Trichloroethane, Solid* | ND | U | | 1.4 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Tetrachloroethene, Solid* | ND | U | | 1.5 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 204
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-9
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,3 Dichloropropane, Solid* | ND | U | | 1.0 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 2 Hexanone, Solid* | ND | U | | 2.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Dibromochloromethane, Solid* | ND | U | | 1.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,2 Dibromoethane (EDB), Solid* | ND | U | | 1.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Chlorobenzene, Solid* | ND | U | | 0.96 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,1,1,2 Tetrachloroethane, Solid* | ND | U | | 1.0 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Ethylbenzene, Solid* | ND | U | | 1.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | m&p Xylenes, Solid* | ND | U | | 2.1 | 17 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | o Xylene, Solid* | ND | U | | 1.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Styrene, Solid* | ND | U | | 1.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Bromoform, Solid* | ND | U | | 1.3 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Isopropylbenzene, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | Bromobenzene, Solid* | ND | U | | 0.77 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,1,2,2-Tetrachloroethane, Solid* | ND | U | | 1.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,2,3 Trichloropropane, Solid* | ND | U | | 2.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | n Propylbenzene, Solid* | ND | U | | 1.3 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 2 Chlorotoluene, Solid* | ND | U | | 1.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,3,5 Trimethylbenzene, Solid* | ND | U | | 1.4 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 4 Chlorotoluene, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | tert Butylbenzene, Solid* | ND | U | | 1.3 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,2,4 Trimethylbenzene, Solid* | ND | U | | 1.5 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | sec Butylbenzene, Solid* | ND | U | | 1.4 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,3 Dichlorobenzene, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | p Isopropyltoluene, Solid* | ND | U | | 1.4 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,4 Dichlorobenzene, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | n Butylbenzene, Solid* | ND | U | | 1.9 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,2 Dichlorobenzene, Solid* | ND | U | | 1.2 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,2 Dibromo 3 chloropropane, Solid* | ND | U | | 2.6 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,2,4 Trichlorobenzene, Solid* | ND | U | | 2.1 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 204
Date Sampled.....: 05/03/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-9
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hexachlorobutadiene, Solid* | ND | U | | 4.5 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |
| | 1,2,3 Trichlorobenzene, Solid* | ND | U | | 1.9 | 8.6 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1628 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 205
Date Sampled.....: 05/04/2005
Time Sampled.....: 08:50
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-10
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | ND | U | | 280 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 450 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 240 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 280 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 260 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 1300 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | ND | U | | 300 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 290 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | n Nitroso di n propylamine, 3541 Low Soli* | ND | U | | 320 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 300 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Sol*d | ND | U | | 350 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 270 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 100 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Soli* | ND | U | | 270 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 270 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 7900 | 18000 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 270 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2,4-Dimethylphenol, 3541 Low Solid* | ND | U | | 870 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 420 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Naphthalene, 3541 Low Solid* | 8700 | | | 73 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 620 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 800 | 7400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2,4,6-Trichlorophenol, 3541 Low Solid* | ND | U | | 750 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2,4,5-Trichlorophenol, 3541 Low Solid* | ND | U | | 810 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 1300 | 7400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 2300 | | | 410 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 370 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 240 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 205
Date Sampled.....: 05/04/2005
Time Sampled.....: 08:50
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-10
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 600 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 280 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 830 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 480 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 280 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2,4-Dinitrophenol, 3541 Low Solid* | ND | U | | 2900 | 7400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 5000 | | | 72 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 420 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Acenaphthene, 3541 Low Solid* | 930 | | | 71 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 2700 | | | 280 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 2100 | 7400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Fluorene, 3541 Low Solid* | 2900 | | | 70 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 520 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 4-Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 210 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 210 | 740 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 390 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 370 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 2000 | 7400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | n-Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 190 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 4,6-Dinitro-2-methylphenol, 3541 Low Soli* | ND | U | | 1100 | 3600 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Phenanthrene, 3541 Low Solid* | 26000 | | | 59 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Anthracene, 3541 Low Solid* | 7200 | | | 78 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Carbazole, 3541 Low Solid* | 1100 | J | | 210 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Di n-butyl phthalate, 3541 Low Solid* | ND | U | | 220 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 1600 | 7400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Fluoranthene, 3541 Low Solid* | 39000 | | H | 270 | 1500 | 20.00000 | ug/Kg | 149122 | D1 | 05/13/05 2059 | dpk |
| | Pyrene, 3541 Low Solid* | 28000 | | | 330 | 1500 | 20.00000 | ug/Kg | 149122 | D1 | 05/13/05 2059 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 270 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 17000 | | H | 72 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 205
Date Sampled.....: 05/04/2005
Time Sampled.....: 08:50
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-10
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 19000 | | H | 74 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 370 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 780 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 330 | 1800 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 22000 | | M | 91 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 8300 | | M | 100 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 17000 | | | 42 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 11000 | | | 73 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 3600 | | H | 74 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 13000 | | | 98 | 360 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0001 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 11 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | beta BHC, 3541 Solid* | ND | U | | 16 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 16 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 11 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 10 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 10 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 11 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 11 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 10 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 11 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 11 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 11 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | 4,4'-DDD, 3541 Solid* | ND | U | | 12 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 12 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | 4,4'-DDT, 3541 Solid* | ND | U | | 11 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 16 | 94 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 10 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 205
Date Sampled.....: 05/04/2005
Time Sampled.....: 08:50
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-10
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 1.7 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 120 | 190 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 14 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 15 | 19 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0706 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 6.4 | 19 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0936 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 5.2 | 19 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0936 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 5.1 | 19 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0936 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 5.6 | 19 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0936 | bjt |
| | Aroclor 1248, 3541 Solid* | 26 | | | 4.1 | 19 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0936 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 4.2 | 19 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0936 | bjt |
| | Aroclor 1260, 3541 Solid* | 25 | | | 3.7 | 19 | 1.00000 | ug/Kg | 148956 | | 05/13/05 0936 | bjt |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 85.8 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1359 | daj |
| | % Moisture, Solid | 14.2 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1359 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 57 | | | 0.4 | 2.4 | 5 | mg/Kg | 148375 | | 05/11/05 1402 | mtb |
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.3 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1410 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 11 | | | 0.36 | 0.97 | 50 | mg/Kg | 148150 | | 05/09/05 1617 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 5400 | | | 5.8 | 23 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |

* In Description = Dry Wgt.

STL Chicago is part of [illegible]

Job Number [illegible]

# LABORATORY TEST RESULTS

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 205
Date Sampled.....: 05/04/2005
Time Sampled.....: 08:50
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-10
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Antimony, Solid* | ND | U | | 0.49 | 2.3 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Arsenic, Solid* | 13 | | | 0.42 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Barium, Solid* | 120 | | | 0.082 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Beryllium, Solid* | 1.2 | | | 0.021 | 0.46 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Boron, Solid* | 49 | | | 0.34 | 5.7 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Cadmium, Solid* | 0.55 | | | 0.066 | 0.23 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Calcium, Solid* | 60000 | | | 2.1 | 11 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Chromium, Solid* | 60 | | | 0.11 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Cobalt, Solid* | 5.6 | | | 0.14 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Copper, Solid* | 180 | | | 0.25 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Iron, Solid* | 170000 | | | 25 | 110 | 10 | mg/Kg | 148441 | | 05/11/05 1547 | tds |
| | Lead, Solid* | 80 | | | 0.29 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Magnesium, Solid* | 30000 | | | 1.2 | 11 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Manganese, Solid* | 1600 | | | 0.060 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Nickel, Solid* | 35 | | | 0.55 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Potassium, Solid* | 680 | | | 6.8 | 57 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Selenium, Solid* | ND | U | | 0.51 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Silver, Solid* | 0.17 | B | | 0.11 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Sodium, Solid* | 440 | | | 90 | 110 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Strontium, Solid* | 73 | | | 0.44 | 0.57 | 1 | mg/Kg | 148441 | | 05/11/05 1539 | tds |
| | Thallium, Solid* | ND | U | | 0.65 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Vanadium, Solid* | 22 | | | 0.17 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| | Zinc, Solid* | 74 | | | 1.6 | 2.3 | 1 | mg/Kg | 148313 | | 05/10/05 1615 | tds |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, Solid* | ND | U | | 1.0 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Chloromethane, Solid* | ND | U | | 0.84 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Vinyl chloride, Solid* | ND | U | | 0.82 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Bromomethane, Solid* | ND | U | | 3.1 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 205
Date Sampled.....: 05/04/2005
Time Sampled.....: 08:50
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-10
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chloroethane, Solid* | ND | U | | 3.6 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Trichlorofluoromethane, Solid* | ND | U | | 1.1 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,1 Dichloroethene, Solid* | ND | U | | 1.5 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Carbon disulfide, Solid* | ND | U | | 0.80 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Acetone, Solid* | ND | U | | 3.7 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Methylene chloride, Solid* | ND | U | | 1.9 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | trans 1,2 Dichloroethene, Solid* | ND | U | | 0.90 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Methyl tert butyl ether (MTBE), Solid* | ND | U | | 0.64 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,1 Dichloroethane, Solid* | ND | U | | 0.69 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 2,2 Dichloropropane, Solid* | ND | U | | 1.6 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | cis 1,2 Dichloroethene, Solid* | ND | U | | 0.65 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 2 Butanone (MEK), Solid* | ND | U | | 2.6 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Bromochloromethane, Solid* | ND | U | | 0.87 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Chloroform, Solid* | ND | U | | 0.79 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,1,1 Trichloroethane, Solid* | ND | U | | 0.84 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,1 Dichloropropene, Solid* | ND | U | | 0.84 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Carbon tetrachloride, Solid* | ND | U | | 0.85 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Benzene, Solid* | ND | U | | 0.80 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,2 Dichloroethane, Solid* | ND | U | | 0.64 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Trichloroethene, Solid* | ND | U | | 0.77 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,2 Dichloropropane, Solid* | ND | U | | 0.64 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Dibromomethane, Solid* | ND | U | | 0.93 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Bromodichloromethane, Solid* | ND | U | | 0.66 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | cis 1,3 Dichloropropene, Solid* | ND | U | | 0.68 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 4 Methyl 2 pentanone (MIBK), Solid* | ND | U | | 0.72 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Toluene, Solid* | ND | U | | 2.0 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | trans 1,3 Dichloropropene, Solid* | ND | U | | 0.70 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,1,2 Trichloroethane, Solid* | ND | U | | 0.96 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Tetrachloroethene, Solid* | ND | U | | 1.0 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |

* In Description = Dry Wgt

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 205
Date Sampled.....: 05/04/2005
Time Sampled.....: 08:50
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-10
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,3 Dichloropropane, Solid* | ND | U | | 0.71 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 2 Hexanone, Solid* | ND | U | | 1.4 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Dibromochloromethane, Solid* | ND | U | | 0.76 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,2 Dibromoethane (EDB), Solid* | ND | U | | 0.75 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Chlorobenzene, Solid* | ND | U | | 0.65 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,1,1,2 Tetrachloroethane, Solid* | ND | U | | 0.70 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Ethylbenzene, Solid* | ND | U | | 0.75 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | m&p Xylenes, Solid* | ND | U | | 1.4 | 12 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | o Xylene, Solid* | ND | U | | 0.72 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Styrene, Solid* | ND | U | | 0.72 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Bromoform, Solid* | ND | U | | 0.86 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Isopropylbenzene, Solid* | ND | U | | 0.79 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | Bromobenzene, Solid* | ND | U | | 0.52 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,1,2,2 Tetrachloroethane, Solid* | ND | U | | 0.72 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,2,3 Trichloropropane, Solid* | ND | U | | 1.4 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | n Propylbenzene, Solid* | ND | U | | 0.86 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 2 Chlorotoluene, Solid* | ND | U | | 0.77 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,3,5 Trimethylbenzene, Solid* | ND | U | | 0.94 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 4 Chlorotoluene, Solid* | ND | U | | 0.80 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | tert-Butylbenzene, Solid* | ND | U | | 0.91 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,2,4 Trimethylbenzene, Solid* | ND | U | | 0.99 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | sec-Butylbenzene, Solid* | ND | U | | 0.98 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,3-Dichlorobenzene, Solid* | ND | U | | 0.84 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | p-Isopropyltoluene, Solid* | ND | U | | 0.96 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,4 Dichlorobenzene, Solid* | ND | U | | 0.82 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | n Butylbenzene, Solid* | ND | U | | 1.3 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,2 Dichlorobenzene, Solid* | ND | U | | 0.84 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,2 Dibromo-3-chloropropane, Solid* | ND | U | | 1.7 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,2,4 Trichlorobenzene, Solid* | ND | U | | 1.4 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 205
Date Sampled.....: 05/04/2005
Time Sampled.....: 08:50
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-10
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hexachlorobutadiene, Solid* | ND | U | | 3.0 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |
| | 1,2,3 Trichlorobenzene, Solid* | ND | U | | 1.3 | 5.8 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1134 | jdn |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 206
Date Sampled.....: 05/04/2005
Time Sampled.....: 09:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-11
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | ND | U | | 1800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 2800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1500 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1600 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 8000 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | ND | U | | 1900 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 1800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | n Nitroso di n propylamine, 3541 Low Solid* | ND | U | | 2000 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 1900 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Solid | ND | U | | 2200 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 1700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 650 | 2300 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Solid* | ND | U | | 1700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 1700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 50000 | 120000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 1700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2,4 Dimethylphenol, 3541 Low Solid* | ND | U | | 5400 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 2600 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Naphthalene, 3541 Low Solid* | 960000 | | | 4600 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | 2,4 Dichlorophenol, 3541 Low Solid* | ND | U | | 3900 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 5000 | 46000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2,4,6 Trichlorophenol, 3541 Low Solid* | ND | U | | 4700 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2,4,5 Trichlorophenol, 3541 Low Solid* | ND | U | | 5100 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 7900 | 46000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 110000 | | | 2500 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 2300 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 1500 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc

LAB COPY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 206
Date Sampled.....: 05/04/2005
Time Sampled.....: 09:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-11
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 3800 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 1700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 5200 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 3000 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 1700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 18000 | 46000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 72000 | | | 4500 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 2600 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Acenaphthene, 3541 Low Solid* | 19000 | | | 440 | 2300 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 35000 | | | 1800 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 13000 | 46000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Fluorene, 3541 Low Solid* | 100000 | | | 4300 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 3300 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 1300 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 1300 | 4600 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 2500 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 2300 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 13000 | 46000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 1200 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | 4,6-Dinitro-2 methylphenol, 3541 Low Soli* | ND | U | | 6600 | 23000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Phenanthrene, 3541 Low Solid* | 540000 | | | 3700 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | Anthracene, 3541 Low Solid* | 190000 | | | 4900 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | Carbazole, 3541 Low Solid* | 73000 | | | 1300 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Di-n-butyl phthalate, 3541 Low Solid* | ND | U | | 1300 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 10000 | 46000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Fluoranthene, 3541 Low Solid* | 580000 | | | 4300 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | Pyrene, 3541 Low Solid* | 370000 | | | 5200 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 1700 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 250000 | | | 4500 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 206
Date Sampled.....: 05/04/2005
Time Sampled.....: 09:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-11
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 340000 | | H | 4600 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 2300 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 4900 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 2000 | 12000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0025 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 230000 | | M | 5700 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 210000 | | M | 6300 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 270000 | | H | 2600 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 150000 | | | 4600 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 64000 | | | 4600 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 170000 | | | 6100 | 23000 | 100.0000 | ug/Kg | 149122 | D1 | 05/13/05 2121 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 17 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | beta BHC, 3541 Solid* | ND | U | | 25 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 25 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 18 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 16 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 16 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 17 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 18 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 16 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 17 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 17 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 18 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | 4,4' DDD, 3541 Solid* | ND | U | | 20 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 20 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | 4,4'-DDT, 3541 Solid* | ND | U | | 17 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 25 | 150 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 16 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 236327 Date:05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Customer Sample ID: X 206
Date Sampled.....: 05/04/2005
Time Sampled.....: 09:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-11
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 2.7 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 200 | 300 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 22 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 23 | 31 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0801 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 10 | 30 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1026 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 8.3 | 30 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1026 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 8.1 | 30 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1026 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 8.8 | 30 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1026 | bjt |
| | Aroclor 1248, 3541 Solid* | 220 | | | 6.5 | 30 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1026 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 6.7 | 30 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1026 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 5.9 | 30 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1026 | bjt |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, High/Med Level* | ND | U | | 29 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Chloromethane, High/Med Level* | ND | U | | 27 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Vinyl chloride, High/Med Level* | ND | U | | 17 | 33 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Bromomethane, High/Med Level* | ND | U | * | 64 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Chloroethane, High/Med Level* | ND | U | | 25 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Trichlorofluoromethane, High/Med Level* | ND | U | | 22 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,1-Dichloroethene, High/Med Level* | ND | U | | 18 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Carbon disulfide, High/Med Level* | ND | U | | 12 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Acetone, High/Med Level* | ND | U | | 81 | 260 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Methylene chloride, High/Med Level* | ND | U | | 39 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | trans-1,2-Dichloroethene, High/Med Level* | ND | U | | 13 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Methyl tert butyl ether (MTBE), High/Med*Level | ND | U | | 16 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,1-Dichloroethane, High/Med Level* | ND | U | | 13 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 2,2-Dichloropropane, High/Med Level* | ND | U | | 13 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 206
Date Sampled.....: 05/04/2005
Time Sampled.....: 09:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-11
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cis 1,2 Dichloroethene, High/Med Level* | ND | U | | 18 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 2 Butanone (MEK), High/Med Level* | ND | U | | 73 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Bromochloromethane, High/Med Level* | ND | U | | 21 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Chloroform, High/Med Level* | ND | U | | 13 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,1,1 Trichloroethane, High/Med Level* | ND | U | | 10 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,1 Dichloropropene, High/Med Level* | ND | U | | 28 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Carbon tetrachloride, High/Med Level* | ND | U | * | 39 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Benzene, High/Med Level* | 1000 | | | 5.8 | 33 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,2 Dichloroethane, High/Med Level* | ND | U | | 17 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Trichloroethene, High/Med Level* | ND | U | | 14 | 33 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,2 Dichloropropane, High/Med Level* | ND | U | | 17 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Dibromomethane, High/Med Level* | ND | U | | 20 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Bromodichloromethane, High/Med Level* | ND | U | | 11 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | cis 1,3 Dichloropropene, High/Med Level* | ND | U | | 12 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 4 Methyl 2 pentanone (MIBK), High/Med Lev*l | ND | U | | 84 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Toluene, High/Med Level* | 120 | | | 7.7 | 33 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | trans 1,3 Dichloropropene, High/Med Level* | ND | U | | 25 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,1,2 Trichloroethane, High/Med Level* | ND | U | | 22 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Tetrachloroethene, High/Med Level* | ND | U | | 26 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,3 Dichloropropane, High/Med Level* | ND | U | | 20 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 2 Hexanone, High/Med Level* | ND | U | * | 81 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Dibromochloromethane, High/Med Level* | ND | U | | 17 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,2 Dibromoethane (EDB), High/Med Level* | ND | U | | 88 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Chlorobenzene, High/Med Level* | ND | U | | 16 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,1,1,2 Tetrachloroethane, High/Med Level* | ND | U | | 13 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Ethylbenzene, High/Med Level* | 3400 | | | 11 | 33 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | m&p Xylenes, High/Med Level* | 630 | | | 19 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | o Xylene, High/Med Level* | 890 | | | 9.4 | 33 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Styrene, High/Med Level* | ND | U | | 21 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 206
Date Sampled.....: 05/04/2005
Time Sampled.....: 09:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-11
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bromoform, High/Med Level* | ND | U | | 23 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Isopropylbenzene, High/Med Level* | 270 | | | 27 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Bromobenzene, High/Med Level* | ND | U | | 21 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,1,2,2 Tetrachloroethane, High/Med Level* | ND | U | | 18 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,2,3 Trichloropropane, High/Med Level* | ND | U | * | 31 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | n Propylbenzene, High/Med Level* | ND | U | | 42 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 2 Chlorotoluene, High/Med Level* | ND | U | | 33 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,3,5 Trimethylbenzene, High/Med Level* | 400 | | | 36 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 4 Chlorotoluene, High/Med Level* | ND | U | | 42 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | tert Butylbenzene, High/Med Level* | ND | U | | 39 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,2,4 Trimethylbenzene, High/Med Level* | 900 | | | 33 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | sec Butylbenzene, High/Med Level* | ND | U | | 39 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,3 Dichlorobenzene, High/Med Level* | ND | U | | 36 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | p Isopropyltoluene, High/Med Level* | ND | U | | 44 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,4 Dichlorobenzene, High/Med Level* | ND | U | | 31 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | n Butylbenzene, High/Med Level* | ND | U | | 58 | 66 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,2 Dichlorobenzene, High/Med Level* | ND | U | | 34 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,2-Dibromo-3-chloropropane, High/Med Lev*l | ND | U | | 46 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,2,4-Trichlorobenzene, High/Med Level* | ND | U | | 85 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | Hexachlorobutadiene, High/Med Level* | ND | U | | 52 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| | 1,2,3-Trichlorobenzene, High/Med Level* | ND | U | | 65 | 130 | 1.0000 | ug/Kg | 149006 | | 05/16/05 2321 | jdn |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 75.6 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1402 | daj |
| | % Moisture, Solid | 24.4 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1402 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 13 | | | 0.1 | 0.6 | 1 | mg/Kg | 148375 | | 05/11/05 1403 | mtb |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: [illegible]

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 206
Date Sampled.....: 05/04/2005
Time Sampled.....: 09:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-11
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.7 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1411 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 4.7 | | | 0.081 | 0.22 | 10 | mg/Kg | 148150 | | 05/09/05 1619 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 6800 | | | 6.1 | 24 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Antimony, Solid* | ND | U | | 0.52 | 2.4 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Arsenic, Solid* | 19 | | | 0.44 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Barium, Solid* | 69 | | | 0.087 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Beryllium, Solid* | 1.4 | | | 0.022 | 0.48 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Boron, Solid* | 28 | | | 0.36 | 6.0 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Cadmium, Solid* | 1.3 | | | 0.070 | 0.24 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Calcium, Solid* | 45000 | | | 2.2 | 12 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Chromium, Solid* | 130 | | | 0.12 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Cobalt, Solid* | 3.5 | | | 0.14 | 0.60 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Copper, Solid* | 220 | | | 0.26 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Iron, Solid* | 72000 | | | 2.6 | 12 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Lead, Solid* | 360 | | | 0.30 | 0.60 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Magnesium, Solid* | 14000 | | | 1.2 | 12 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Manganese, Solid* | 1700 | | | 0.064 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Nickel, Solid* | 26 | | | 0.58 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Potassium, Solid* | 520 | | | 7.2 | 60 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Selenium, Solid* | 1.9 | | | 0.54 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Silver, Solid* | 0.49 | B | | 0.12 | 0.60 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Sodium, Solid* | ND | U | | 94 | 120 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Strontium, Solid* | 50 | | | 0.47 | 0.60 | 1 | mg/Kg | 148441 | | 05/11/05 1556 | tds |
| | Thallium, Solid* | ND | U | | 0.68 | 1.2 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 206
Date Sampled.....: 05/04/2005
Time Sampled.....: 09:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-11
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vanadium, Solid* | 22 | | | 0.18 | 0.60 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |
| | Zinc, Solid* | 1000 | | | 1.6 | 2.4 | 1 | mg/Kg | 148313 | | 05/10/05 1621 | tds |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327 | Date:05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

Customer Sample ID: X 207
Date Sampled.....: 05/04/2005
Time Sampled.....: 10:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-12
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | ND | U | | 500 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 790 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 420 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 490 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 450 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 2300 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | ND | U | | 520 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 520 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | n Nitroso di n propylamine, 3541 Low Soli* | ND | U | | 560 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 530 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Sol*d | ND | U | | 620 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 480 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 180 | 640 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Soli* | ND | U | | 480 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 480 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 14000 | 32000 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 480 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2,4 Dimethylphenol, 3541 Low Solid* | ND | U | | 1500 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 740 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Naphthalene, 3541 Low Solid* | 610000 | | | 5100 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | 2,4 Dichlorophenol, 3541 Low Solid* | ND | U | | 1100 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 1400 | 13000 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2,4,6 Trichlorophenol, 3541 Low Solid* | ND | U | | 1300 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2,4,5 Trichlorophenol, 3541 Low Solid* | ND | U | | 1400 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 2200 | 13000 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 19000 | | | 720 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 660 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 420 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc

LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 207
Date Sampled.....: 05/04/2005
Time Sampled.....: 10:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-12
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 1100 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 490 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 1500 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 840 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 490 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 5200 | 13000 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 30000 | | | 130 | 640 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 730 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Acenaphthene, 3541 Low Solid* | 72000 | | | 5000 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 40000 | | | 500 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 3600 | 13000 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Fluorene, 3541 Low Solid* | 84000 | | | 4900 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 920 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 380 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 370 | 1300 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 690 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 660 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 3600 | 13000 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 330 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | 4,6-Dinitro-2 methylphenol, 3541 Low Soli* | ND | U | | 1900 | 6400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Phenanthrene, 3541 Low Solid* | 400000 | | | 4100 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Anthracene, 3541 Low Solid* | 140000 | | | 5500 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Carbazole, 3541 Low Solid* | 22000 | | | 380 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Di-n butyl phthalate, 3541 Low Solid* | ND | U | | 380 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 2800 | 13000 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Fluoranthene, 3541 Low Solid* | 510000 | | | 4800 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Pyrene, 3541 Low Solid* | 350000 | | | 5800 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 470 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 190000 | | | 5100 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 207
Date Sampled.....: 05/04/2005
Time Sampled.....: 10:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-12
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 250000 | | H | 5200 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 650 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Bis(2-ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 1400 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Di-n-octyl phthalate, 3541 Low Solid* | ND | U | | 580 | 3200 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0048 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 170000 | | M | 6400 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 190000 | | M | 7200 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 210000 | | H | 3000 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Indeno(1,2,3-cd)pyrene, 3541 Low Solid* | 95000 | | | 5100 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 42000 | | H | 5200 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 100000 | | | 6900 | 26000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2143 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 38 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | beta BHC, 3541 Solid* | ND | U | | 55 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 55 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 39 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 36 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 35 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 37 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 39 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 35 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 37 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 38 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 39 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | 4,4' DDD, 3541 Solid* | ND | U | | 43 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 43 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | 4,4' DDT, 3541 Solid* | 70 | | M | 37 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 55 | 330 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 35 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 207
Date Sampled.....: 05/04/2005
Time Sampled.....: 10:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-12
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 5.9 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 430 | 660 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 47 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 51 | 67 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0829 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 22 | 66 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1050 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 18 | 66 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1050 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 18 | 66 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1050 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 19 | 66 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1050 | bjt |
| | Aroclor 1248, 3541 Solid* | 300 | | | 14 | 66 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1050 | bjt |
| | Aroclor 1254, 3541 Solid* | 670 | | | 15 | 66 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1050 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 13 | 66 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1050 | bjt |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, High/Med Level* | ND | U | | 31 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Chloromethane, High/Med Level* | ND | U | | 28 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Vinyl chloride, High/Med Level* | ND | U | | 17 | 35 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Bromomethane, High/Med Level* | ND | U | | 67 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Chloroethane, High/Med Level* | ND | U | | 27 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Trichlorofluoromethane, High/Med Level* | 160 | | H | 23 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,1-Dichloroethene, High/Med Level* | ND | U | | 19 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Carbon disulfide, High/Med Level* | ND | U | | 12 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Acetone, High/Med Level* | ND | U | * | 85 | 280 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Methylene chloride, High/Med Level* | ND | U | | 41 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | trans-1,2 Dichloroethene, High/Med Level* | ND | U | | 14 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Methyl-tert-butyl ether (MTBE), High/Med*Level | ND | U | | 17 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,1-Dichloroethane, High/Med Level* | ND | U | | 14 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 2,2-Dichloropropane, High/Med Level* | ND | U | | 13 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 207
Date Sampled.....: 05/04/2005
Time Sampled.....: 10:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-12
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cis 1,2 Dichloroethene, High/Med Level* | ND | U | | 19 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 2 Butanone (MEK), High/Med Level* | ND | U | * | 77 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Bromochloromethane, High/Med Level* | ND | U | | 22 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Chloroform, High/Med Level* | ND | U | | 14 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,1,1 Trichloroethane, High/Med Level* | ND | U | | 11 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,1 Dichloropropene, High/Med Level* | ND | U | | 29 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Carbon tetrachloride, High/Med Level* | ND | U | * | 40 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Benzene, High/Med Level* | 150 | | | 6.1 | 35 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,2 Dichloroethane, High/Med Level* | ND | U | | 18 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Trichloroethene, High/Med Level* | ND | U | | 15 | 35 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,2-Dichloropropane, High/Med Level* | ND | U | | 18 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Dibromomethane, High/Med Level* | ND | U | | 20 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Bromodichloromethane, High/Med Level* | ND | U | | 12 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | cis-1,3 Dichloropropene, High/Med Level* | ND | U | | 13 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 4 Methyl-2 pentanone (MIBK), High/Med Lev*l | ND | U | | 88 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Toluene, High/Med Level* | ND | U | | 8.0 | 35 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | trans 1,3 Dichloropropene, High/Med Level* | ND | U | | 26 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,1,2 Trichloroethane, High/Med Level* | ND | U | | 23 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Tetrachloroethene, High/Med Level* | ND | U | | 27 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,3-Dichloropropane, High/Med Level* | ND | U | | 21 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 2 Hexanone, High/Med Level* | ND | U | * | 85 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Dibromochloromethane, High/Med Level* | ND | U | | 18 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,2-Dibromoethane (EDB), High/Med Level* | ND | U | | 92 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Chlorobenzene, High/Med Level* | ND | U | | 17 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,1,1,2-Tetrachloroethane, High/Med Level* | ND | U | | 14 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Ethylbenzene, High/Med Level* | 65 | | | 12 | 35 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | m&p Xylenes, High/Med Level* | ND | U | | 20 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | o Xylene, High/Med Level* | ND | U | | 9.8 | 35 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Styrene, High/Med Level* | ND | U | | 22 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 207
Date Sampled.....: 05/04/2005
Time Sampled.... : 10:20
Sample Matrix... : Soil

Laboratory Sample ID: 236327-12
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bromoform, High/Med Level* | ND | U | | 24 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Isopropylbenzene, High/Med Level* | ND | U | | 28 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Bromobenzene, High/Med Level* | ND | U | | 22 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,1,2,2 Tetrachloroethane, High/Med Level* | ND | U | | 19 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,2,3 Trichloropropane, High/Med Level* | ND | U | | 32 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | n Propylbenzene, High/Med Level* | ND | U | | 44 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 2 Chlorotoluene, High/Med Level* | ND | U | | 34 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,3,5 Trimethylbenzene, High/Med Level* | ND | U | | 38 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 4 Chlorotoluene, High/Med Level* | ND | U | | 44 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | tert Butylbenzene, High/Med Level* | ND | U | | 40 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,2,4 Trimethylbenzene, High/Med Level* | ND | U | | 34 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | sec Butylbenzene, High/Med Level* | ND | U | | 41 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,3 Dichlorobenzene, High/Med Level* | ND | U | | 38 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | p Isopropyltoluene, High/Med Level* | ND | U | | 46 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,4 Dichlorobenzene, High/Med Level* | ND | U | | 33 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | n Butylbenzene, High/Med Level* | ND | U | | 60 | 69 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,2 Dichlorobenzene, High/Med Level* | ND | U | | 35 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,2 Dibromo 3 chloropropane, High/Med Lev*l | ND | U | | 48 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,2,4 Trichlorobenzene, High/Med Level* | ND | U | | 89 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | Hexachlorobutadiene, High/Med Level* | ND | U | | 54 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| | 1,2,3 Trichlorobenzene, High/Med Level* | ND | U | | 68 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1708 | jdn |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 72.4 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1404 | daj |
| | % Moisture, Solid | 27.6 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1404 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 19 | | | 0.1 | 0.6 | 1 | mg/Kg | 148375 | | 05/11/05 1403 | mtb |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 207
Date Sampled.....: 05/04/2005
Time Sampled.....: 10:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-12
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 7.6 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1412 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 0.35 | | | 0.0084 | 0.023 | 1 | mg/Kg | 148150 | | 05/09/05 1525 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 12000 | | | 6.6 | 26 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Antimony, Solid* | ND | U | | 0.56 | 2.6 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Arsenic, Solid* | 4.8 | | | 0.48 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Barium, Solid* | 440 | | | 0.094 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Beryllium, Solid* | 1.8 | | | 0.023 | 0.52 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Boron, Solid* | 48 | | | 0.39 | 6.5 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Cadmium, Solid* | 0.22 | B | | 0.076 | 0.26 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Calcium, Solid* | 58000 | | | 2.4 | 13 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Chromium, Solid* | 180 | | | 0.13 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Cobalt, Solid* | 2.4 | | | 0.16 | 0.65 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Copper, Solid* | 44 | | | 0.29 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Iron, Solid* | 34000 | | | 2.9 | 13 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Lead, Solid* | 82 | | | 0.33 | 0.65 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Magnesium, Solid* | 15000 | | | 1.3 | 13 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Manganese, Solid* | 5700 | | | 0.34 | 6.5 | 5 | mg/Kg | 148441 | | 05/11/05 1608 | tds |
| | Nickel, Solid* | 14 | | | 0.62 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Potassium, Solid* | 590 | | | 7.8 | 65 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Selenium, Solid* | 0.60 | B | | 0.59 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Silver, Solid* | 0.14 | B | | 0.13 | 0.65 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Sodium, Solid* | 490 | | | 100 | 130 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Strontium, Solid* | 95 | | | 0.51 | 0.65 | 1 | mg/Kg | 148441 | | 05/11/05 1602 | tds |
| | Thallium, Solid* | ND | U | | 0.74 | 1.3 | 1 | mg/Kg | 148441 | | 05/11/05 1602 | tds |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 207
Date Sampled.....: 05/04/2005
Time Sampled.....: 10:20
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-12
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vanadium, Solid* | 73 | | | 0.20 | 0.65 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |
| | Zinc, Solid* | 180 | | | 1.8 | 2.6 | 1 | mg/Kg | 148313 | | 05/10/05 1627 | tds |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 311
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-13
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 230000 | | | 6000 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 9400 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 5000 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 5900 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 5400 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 27000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | 63000 | | | 6300 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low So*id | ND | U | | 6200 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | n Nitroso di n propylamine, 3541 Low Soli* | ND | U | | 6700 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 6300 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Sol*d | 240000 | | | 7500 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2-Chlorophenol, 3541 Low Solid* | ND | U | | 5800 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 2200 | 7700 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Soli* | ND | U | | 5800 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 5800 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 170000 | 390000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 5700 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2,4-Dimethylphenol, 3541 Low Solid* | 100000 | | | 18000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 8900 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Naphthalene, 3541 Low Solid* | 31000000 | | | 150000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 13000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 4-Chloroaniline, 3541 Low Solid* | ND | U | | 17000 | 160000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2,4,6-Trichlorophenol, 3541 Low Solid* | ND | U | | 16000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2,4,5-Trichlorophenol, 3541 Low Solid* | ND | U | | 17000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 27000 | 160000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 3100000 | J | | 860000 | 3900000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | 2-Nitroaniline, 3541 Low Solid* | ND | U | | 7800 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2-Chloronaphthalene, 3541 Low Solid* | ND | U | | 5000 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X-311
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-13
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 13000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 5800 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 17000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 10000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 5900 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 62000 | 160000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 4900000 | | H | 150000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 8700 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Acenaphthene, 3541 Low Solid* | 270000 | | | 1500 | 7700 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 5800000 | | H | 590000 | 3900000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 43000 | 160000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Fluorene, 3541 Low Solid* | 7100000 | | H | 150000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 11000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 4500 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 4400 | 16000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 8300 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 7900 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 43000 | 160000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 4000 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | 4,6 Dinitro-2 methylphenol, 3541 Low Soli* | ND | U | | 22000 | 77000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Phenanthrene, 3541 Low Solid* | 26000000 | | | 120000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Anthracene, 3541 Low Solid* | 6000000 | | H | 170000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Carbazole, 3541 Low Solid* | 3800000 | J | H | 450000 | 3900000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Di-n-butyl phthalate, 3541 Low Solid* | ND | U | | 4500 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 34000 | 160000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Fluoranthene, 3541 Low Solid* | 19000000 | | | 140000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Pyrene, 3541 Low Solid* | 14000000 | | | 170000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 5600 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 6400000 | | H | 150000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 311
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-13
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 5900000 | | H | 160000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 7800 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Soli* | ND | U | | 16000 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 6900 | 39000 | 10.00000 | ug/Kg | 149122 | | 05/13/05 0112 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 6200000 | | M | 190000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 2700000 | | M | 210000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 5200000 | | H | 88000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 2800000 | | H | 150000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 940000 | | H | 160000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 3000000 | | H | 210000 | 770000 | 1000.000 | ug/Kg | 149122 | D1 | 05/16/05 1322 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 150 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | beta BHC, 3541 Solid* | 250 | J | a | 220 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 220 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 150 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 140 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 140 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 150 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 150 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 140 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | 4,4' DDE, 3541 Solid* | 250 | J | a | 150 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 150 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 150 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | 4,4' DDD, 3541 Solid* | ND | U | | 170 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 170 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | 4,4' DDT, 3541 Solid* | ND | U | | 140 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 220 | 1300 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 140 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 311
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-13
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | 1200 | | | 23 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 1700 | 2600 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 190 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 200 | 260 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0924 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 87 | 260 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1140 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 71 | 260 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1140 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 70 | 260 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1140 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 76 | 260 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1140 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 56 | 260 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1140 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 57 | 260 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1140 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 51 | 260 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1140 | bjt |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, High/Med Level* | ND | U | | 490 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Chloromethane, High/Med Level* | ND | U | | 450 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Vinyl chloride, High/Med Level* | ND | U | | 280 | 550 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Bromomethane, High/Med Level* | ND | U | | 1100 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Chloroethane, High/Med Level* | ND | U | | 420 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Trichlorofluoromethane, High/Med Level* | ND | U | | 370 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,1-Dichloroethene, High/Med Level* | ND | U | | 300 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Carbon disulfide, High/Med Level* | ND | U | | 200 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Acetone, High/Med Level* | ND | U | * | 1400 | 4400 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Methylene chloride, High/Med Level* | ND | U | | 650 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | trans-1,2 Dichloroethene, High/Med Level* | ND | U | | 220 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Methyl-tert-butyl ether (MTBE), High/Med*Level | ND | U | | 270 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,1-Dichloroethane, High/Med Level* | ND | U | | 220 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 2,2-Dichloropropane, High/Med Level* | ND | U | | 210 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 311
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-13
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL * | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cis 1,2 Dichloroethene, High/Med Level* | ND | U | | 310 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 2 Butanone (MEK), High/Med Level* | ND | U | * | 1200 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Bromochloromethane, High/Med Level* | ND | U | | 350 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Chloroform, High/Med Level* | ND | U | | 220 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,1,1 Trichloroethane, High/Med Level* | ND | U | | 170 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,1 Dichloropropene, High/Med Level* | ND | U | | 460 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Carbon tetrachloride, High/Med Level* | ND | U | * | 650 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Benzene, High/Med Level* | 3800 | | | 97 | 550 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,2 Dichloroethane, High/Med Level* | ND | U | | 280 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Trichloroethene, High/Med Level* | ND | U | | 240 | 550 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,2 Dichloropropane, High/Med Level* | ND | U | | 290 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Dibromomethane, High/Med Level* | ND | U | | 330 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Bromodichloromethane, High/Med Level* | ND | U | | 190 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | cis 1,3 Dichloropropene, High/Med Level* | ND | U | | 210 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 4 Methyl 2 pentanone (MIBK), High/Med Lev*l | ND | U | | 1400 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Toluene, High/Med Level* | 3700 | | H | 130 | 550 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | trans 1,3 Dichloropropene, High/Med Level* | ND | U | | 410 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,1,2 Trichloroethane, High/Med Level* | ND | U | | 370 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Tetrachloroethene, High/Med Level* | ND | U | | 430 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,3-Dichloropropane, High/Med Level* | ND | U | | 330 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 2-Hexanone, High/Med Level* | ND | U | * | 1400 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Dibromochloromethane, High/Med Level* | ND | U | | 290 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,2-Dibromoethane (EDB), High/Med Level* | ND | U | | 1500 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Chlorobenzene, High/Med Level* | ND | U | | 270 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,1,1,2-Tetrachloroethane, High/Med Level* | ND | U | | 230 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Ethylbenzene, High/Med Level* | ND | U | | 190 | 550 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | m&p-Xylenes, High/Med Level* | 4300 | | | 320 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | o Xylene, High/Med Level* | 1700 | | | 160 | 550 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Styrene, High/Med Level* | 1300 | | | 350 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 311
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-13
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bromoform, High/Med Level* | ND | U | | 390 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Isopropylbenzene, High/Med Level* | ND | U | | 450 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Bromobenzene, High/Med Level* | ND | U | | 350 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,1,2,2 Tetrachloroethane, High/Med Level* | ND | U | | 300 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,2,3 Trichloropropane, High/Med Level* | ND | U | | 520 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | n Propylbenzene, High/Med Level* | ND | U | | 710 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 2 Chlorotoluene, High/Med Level* | ND | U | | 540 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,3,5 Trimethylbenzene, High/Med Level* | ND | U | | 600 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 4 Chlorotoluene, High/Med Level* | ND | U | | 710 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | tert Butylbenzene, High/Med Level* | ND | U | | 650 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,2,4 Trimethylbenzene, High/Med Level* | 2700 | | | 550 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | sec Butylbenzene, High/Med Level* | ND | U | | 650 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,3 Dichlorobenzene, High/Med Level* | ND | U | | 610 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | p Isopropyltoluene, High/Med Level* | ND | U | | 740 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,4 Dichlorobenzene, High/Med Level* | ND | U | | 520 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | n Butylbenzene, High/Med Level* | ND | U | | 970 | 1100 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,2 Dichlorobenzene, High/Med Level* | ND | U | | 560 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,2 Dibromo 3 chloropropane, High/Med Lev*l | ND | U | | 770 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,2,4 Trichlorobenzene, High/Med Level* | ND | U | | 1400 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | Hexachlorobutadiene, High/Med Level* | ND | U | | 870 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| | 1,2,3 Trichlorobenzene, High/Med Level* | ND | U | | 1100 | 2200 | 20.00 | ug/Kg | 148829 | | 05/15/05 1753 | jdn |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 90.4 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1407 | daj |
| | % Moisture, Solid | 9.6 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1407 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 14 | | | 0.09 | 0.51 | 1 | mg/Kg | 148134 | | 05/09/05 1452 | mtb |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 311
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-13
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 6.5 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1413 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 0.043 | | | 0.0067 | 0.018 | 1 | mg/Kg | 148150 | | 05/09/05 1527 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 1800 | | | 5.3 | 21 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Antimony, Solid* | 0.47 | B | | 0.45 | 2.1 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Arsenic, Solid* | 2.7 | | | 0.39 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Barium, Solid* | 130 | | | 0.075 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Beryllium, Solid* | 0.24 | B | | 0.019 | 0.42 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Boron, Solid* | 6.6 | | | 0.31 | 5.2 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Cadmium, Solid* | 1.0 | | | 0.060 | 0.21 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Calcium, Solid* | 3600 | | | 1.9 | 10 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Chromium, Solid* | 8.7 | | | 0.10 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Cobalt, Solid* | 0.80 | | | 0.12 | 0.52 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Copper, Solid* | 10 | | | 0.23 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Iron, Solid* | 6900 | | | 2.3 | 10 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Lead, Solid* | 59 | | | 0.26 | 0.52 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Magnesium, Solid* | 1200 | | | 1.1 | 10 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Manganese, Solid* | 160 | | | 0.055 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Nickel, Solid* | 6.0 | | | 0.50 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Potassium, Solid* | 120 | | | 6.2 | 52 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Selenium, Solid* | 0.92 | B | | 0.47 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Silver, Solid* | ND | U | | 0.10 | 0.52 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Sodium, Solid* | 440 | | | 82 | 100 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Strontium, Solid* | 66 | | | 0.41 | 0.52 | 1 | mg/Kg | 148441 | | 05/11/05 1617 | tds |
| | Thallium, Solid* | ND | U | | 0.59 | 1.0 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 311
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-13
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | D/T | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vanadium, Solid* | 4.8 | | | 0.16 | 0.52 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |
| | Zinc, Solid* | 120 | | | 1.4 | 2.1 | 1 | mg/Kg | 148313 | | 05/10/05 1633 | tds |

* In Description = Dry Wgt.

TL Chicago is part of [illegible]

# LABORATORY TEST RESULTS

Job Number [illegible]

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 512
Date Sampled.....: 05/04/2005
Time Sampled.....: 12 00
Sample Matrix.... Soil

Laboratory Sample ID: 236327-14
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 6200 | | | 360 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 570 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 310 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 360 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 330 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 1600 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | 5000 | | | 380 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 380 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | n Nitroso di n propylamine, 3541 Low Solid* | ND | U | | 410 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 380 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Solid | 18000 | | | 450 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 130 | 470 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Solid* | ND | U | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 10000 | 24000 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2,4 Dimethylphenol, 3541 Low Solid* | 5100 | | | 1100 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 540 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Naphthalene, 3541 Low Solid* | 420000 | | | 3700 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | 2,4-Dichlorophenol, 3541 Low Solid* | ND | U | | 790 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 1000 | 9500 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2,4,6 Trichlorophenol, 3541 Low Solid* | ND | U | | 960 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2,4,5 Trichlorophenol, 3541 Low Solid* | ND | U | | 1000 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 1600 | 9500 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 44000 | J | | 21000 | 95000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 480 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 310 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 312
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-14
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | 3100 | J | H | 770 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 360 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 1100 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 610 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | 25000 | | | 360 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 3800 | 9500 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 100000 | | | 3700 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 530 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Acenaphthene, 3541 Low Solid* | 3800 | | | 91 | 470 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 140000 | | | 14000 | 95000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | 4-Nitrophenol, 3541 Low Solid* | 2700 | J | | 2600 | 9500 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Fluorene, 3541 Low Solid* | 120000 | | | 3600 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 670 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 270 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 270 | 950 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 500 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 4-Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 480 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 2600 | 9500 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | n-Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 240 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | 4,6-Dinitro 2 methylphenol, 3541 Low Soli* | ND | U | | 1400 | 4700 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Phenanthrene, 3541 Low Solid* | 510000 | | | 3000 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | Anthracene, 3541 Low Solid* | 76000 | | | 4000 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | Carbazole, 3541 Low Solid* | 85000 | J | H | 11000 | 95000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | Di-n-butyl phthalate, 3541 Low Solid* | ND | U | | 280 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 2100 | 9500 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Fluoranthene, 3541 Low Solid* | 260000 | | | 3500 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | Pyrene, 3541 Low Solid* | 180000 | | | 4200 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 340 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 79000 | | | 3700 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 312
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-14
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 80000 | | | 3800 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 470 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 1000 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 420 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 87000 | | H | 4600 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 29000 | | M | 5200 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 49000 | | | 2200 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 33000 | | H | 3700 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/16/05 1346 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 12000 | | H | 95 | 470 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 26000 | | H | 130 | 470 | 5.00000 | ug/Kg | 149122 | | 05/13/05 0136 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 28 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | beta BHC, 3541 Solid* | ND | U | | 40 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 40 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 28 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 26 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 25 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 27 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 29 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 25 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | 4,4' DDE, 3541 Solid* | ND | U | | 27 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 27 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 29 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | 4,4'-DDD, 3541 Solid* | ND | U | | 31 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 31 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | 4,4' DDT, 3541 Solid* | ND | U | | 27 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 40 | 240 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 25 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236327 Date:05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Customer Sample ID: X 312
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-14
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 4.3 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 310 | 480 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 34 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 37 | 49 | 10.0000 | ug/Kg | 148813 | | 05/13/05 0952 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 80 | 240 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1612 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 66 | 240 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1612 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 64 | 240 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1612 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 70 | 240 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1612 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 52 | 240 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1612 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 53 | 240 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1612 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 47 | 240 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1612 | bjt |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, High/Med Level* | ND | U | | 32 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Chloromethane, High/Med Level* | ND | U | | 29 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Vinyl chloride, High/Med Level* | ND | U | | 18 | 36 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Bromomethane, High/Med Level* | ND | U | | 70 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Chloroethane, High/Med Level* | ND | U | | 28 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Trichlorofluoromethane, High/Med Level* | ND | U | | 24 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,1-Dichloroethene, High/Med Level* | ND | U | | 20 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Carbon disulfide, High/Med Level* | ND | U | | 13 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Acetone, High/Med Level* | ND | U | * | 88 | 290 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Methylene chloride, High/Med Level* | ND | U | | 43 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | trans 1,2-Dichloroethene, High/Med Level* | ND | U | | 14 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Methyl tert-butyl ether (MTBE), High/Med*Level | ND | U | | 17 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,1-Dichloroethane, High/Med Level* | ND | U | | 14 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 2,2 Dichloropropane, High/Med Level* | ND | U | | 14 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 312
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327 14
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cis 1,2 Dichloroethene, High/Med Level* | ND | U | | 20 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 2 Butanone (MEK), High/Med Level* | ND | U | * | 80 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Bromochloromethane, High/Med Level* | ND | U | | 23 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Chloroform, High/Med Level* | ND | U | | 14 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,1,1 Trichloroethane, High/Med Level* | ND | U | | 11 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,1 Dichloropropene, High/Med Level* | ND | U | | 30 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Carbon tetrachloride, High/Med Level* | ND | U | * | 42 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Benzene, High/Med Level* | ND | U | | 6.3 | 36 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,2 Dichloroethane, High/Med Level* | ND | U | | 18 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Trichloroethene, High/Med Level* | ND | U | | 16 | 36 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,2 Dichloropropane, High/Med Level* | ND | U | | 19 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Dibromomethane, High/Med Level* | ND | U | | 21 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Bromodichloromethane, High/Med Level* | ND | U | | 12 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | cis 1,3 Dichloropropene, High/Med Level* | ND | U | | 13 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 4 Methyl 2 pentanone (MIBK), High/Med Lev*l | ND | U | | 92 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Toluene, High/Med Level* | ND | U | | 8.4 | 36 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | trans 1,3 Dichloropropene, High/Med Level* | ND | U | | 27 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,1,2 Trichloroethane, High/Med Level* | ND | U | | 24 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Tetrachloroethene, High/Med Level* | ND | U | | 28 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,3 Dichloropropane, High/Med Level* | ND | U | | 22 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 2 Hexanone, High/Med Level* | ND | U | * | 89 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Dibromochloromethane, High/Med Level* | ND | U | | 19 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,2 Dibromoethane (EDB), High/Med Level* | ND | U | | 96 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Chlorobenzene, High/Med Level* | ND | U | | 18 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,1,1,2 Tetrachloroethane, High/Med Level* | ND | U | | 15 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Ethylbenzene, High/Med Level* | ND | U | | 12 | 36 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | m&p Xylenes, High/Med Level* | ND | U | | 21 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | o Xylene, High/Med Level* | ND | U | | 10 | 36 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Styrene, High/Med Level* | ND | U | | 23 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 312
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-14
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bromoform, High/Med Level* | ND | U | | 26 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Isopropylbenzene, High/Med Level* | ND | U | | 30 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Bromobenzene, High/Med Level* | ND | U | | 23 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,1,2,2 Tetrachloroethane, High/Med Level* | ND | U | | 19 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,2,3 Trichloropropane, High/Med Level* | ND | U | | 34 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | n Propylbenzene, High/Med Level* | ND | U | | 46 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 2 Chlorotoluene, High/Med Level* | ND | U | | 35 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,3,5 Trimethylbenzene, High/Med Level* | ND | U | | 39 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 4 Chlorotoluene, High/Med Level* | ND | U | | 46 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | tert Butylbenzene, High/Med Level* | ND | U | | 42 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,2,4 Trimethylbenzene, High/Med Level* | ND | U | | 36 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | sec Butylbenzene, High/Med Level* | ND | U | | 42 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,3 Dichlorobenzene, High/Med Level* | ND | U | | 40 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | p Isopropyltoluene, High/Med Level* | ND | U | | 48 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,4 Dichlorobenzene, High/Med Level* | ND | U | | 34 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | n Butylbenzene, High/Med Level* | ND | U | | 63 | 72 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,2 Dichlorobenzene, High/Med Level* | ND | U | | 37 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,2 Dibromo 3 chloropropane, High/Med Lev*l | ND | U | | 50 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,2,4 Trichlorobenzene, High/Med Level* | ND | U | | 93 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | Hexachlorobutadiene, High/Med Level* | ND | U | | 56 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| | 1,2,3 Trichlorobenzene, High/Med Level* | ND | U | | 71 | 140 | 1.0000 | ug/Kg | 148829 | | 05/15/05 1838 | jdn |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 69.3 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1410 | daj |
| | % Moisture, Solid | 30.7 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1410 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 110 | | | 0.6 | 3.5 | 5 | mg/Kg | 148134 | | 05/09/05 1452 | mtb |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 312
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-14
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 0.7 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1414 | pmf |
| 7471A | Mercury (CVAA) Solid | | | | | | | | | | | |
| | Mercury, Solid* | 0.21 | | | 0.0088 | 0.024 | 1 | mg/Kg | 148150 | | 05/09/05 1536 | gok |
| 6010B | Metals Analysis (ICP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 640 | | | 6.8 | 27 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Antimony, Solid* | 4.0 | | | 0.58 | 2.7 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Arsenic, Solid* | 63 | | | 0.50 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Barium, Solid* | 79 | | | 0.097 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Beryllium, Solid* | 0.19 | B | | 0.024 | 0.54 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Boron, Solid* | 9.5 | | | 0.40 | 6.7 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Cadmium, Solid* | ND | U | | 0.078 | 0.27 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Calcium, Solid* | 52000 | | | 2.5 | 13 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Chromium, Solid* | 11 | | | 0.13 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Cobalt, Solid* | 1.6 | | | 0.16 | 0.67 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Copper, Solid* | 38 | | | 0.30 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Iron, Solid* | 13000 | | | 3.0 | 13 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Lead, Solid* | 42 | | | 0.34 | 0.67 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Magnesium, Solid* | 1100 | | | 1.4 | 13 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Manganese, Solid* | 110 | | | 0.071 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Nickel, Solid* | 9.3 | | | 0.65 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Potassium, Solid* | 230 | | | 8.1 | 67 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Selenium, Solid* | 0.63 | B | | 0.61 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Silver, Solid* | 0.16 | B | | 0.13 | 0.67 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Sodium, Solid* | ND | U | | 110 | 130 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Strontium, Solid* | 49 | | | 0.52 | 0.67 | 1 | mg/Kg | 148441 | | 05/11/05 1647 | tds |
| | Thallium, Solid* | ND | U | | 0.77 | 1.3 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 312
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-14
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vanadium, Solid* | 6.4 | | | 0.20 | 0.67 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |
| | Zinc, Solid* | 150 | | | 1.8 | 2.7 | 1 | mg/Kg | 148313 | | 05/10/05 1640 | tds |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 313
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-15
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | 5100 | | | 360 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 570 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 310 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 360 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 330 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 1600 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | 3500 | | | 380 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 380 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | n Nitroso di n propylamine, 3541 Low Solid* | ND | U | | 400 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 380 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Solid | 14000 | | | 450 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 130 | 460 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Solid* | ND | U | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 10000 | 24000 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2,4 Dimethylphenol, 3541 Low Solid* | ND | U | | 1100 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 540 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Naphthalene, 3541 Low Solid* | 330000 | | | 3700 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | 2,4 Dichlorophenol, 3541 Low Solid* | ND | U | | 790 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 1000 | 9400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2,4,6 Trichlorophenol, 3541 Low Solid* | ND | U | | 950 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2,4,5 Trichlorophenol, 3541 Low Solid* | ND | U | | 1000 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 1600 | 9400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 34000 | | H | 520 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 470 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | 2400 | J | | 310 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: [illegible]

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 313
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327 15
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | 4100 | J | M | 770 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 1100 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 610 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | 35000 | | | 350 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 3700 | 9400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Acenaphthylene, 3541 Low Solid* | 82000 | | | 3700 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 530 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Acenaphthene, 3541 Low Solid* | 3400 | | | 90 | 460 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 120000 | | | 14000 | 94000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 2600 | 9400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Fluorene, 3541 Low Solid* | 87000 | | | 3500 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 660 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 270 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 270 | 940 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 500 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 480 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 2600 | 9400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 240 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | 4,6-Dinitro 2-methylphenol, 3541 Low Soli* | ND | U | | 1400 | 4600 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Phenanthrene, 3541 Low Solid* | 370000 | | | 3000 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | Anthracene, 3541 Low Solid* | 49000 | | | 4000 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | Carbazole, 3541 Low Solid* | 65000 | J | | 11000 | 94000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | Di n butyl phthalate, 3541 Low Solid* | ND | U | | 270 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 2000 | 9400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Fluoranthene, 3541 Low Solid* | 190000 | | | 3500 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | Pyrene, 3541 Low Solid* | 110000 | | | 4200 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 340 | 2400 | 5:00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 54000 | | | 3700 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 313
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.... : Soil

Laboratory Sample ID: 236327-15
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 72000 | | H | 3800 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 470 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 990 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 420 | 2400 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 31000 | | M | 4600 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 69000 | | M | 5200 | 19000 | 200.0000 | ug/Kg | 149122 | D1 | 05/13/05 2206 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 25000 | | | 53 | 460 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 20000 | | H | 93 | 460 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 8500 | | H | 94 | 460 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 18000 | | | 130 | 460 | 5.00000 | ug/Kg | 149122 | | 05/14/05 0537 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 13 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | beta BHC, 3541 Solid* | 23 | J | a | 19 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 19 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 14 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 13 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 12 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 13 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 14 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Dieldrin, 3541 Solid* | 170 | | M | 12 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | 4,4' DDE, 3541 Solid* | ND | U | | 13 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 13 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 14 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | 4,4' DDD, 3541 Solid* | ND | U | | 15 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 15 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | 4,4' DDT, 3541 Solid* | 63 | | M | 13 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 19 | 110 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | alpha Chlordane, 3541 Solid* | ND | U | | 12 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 313
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-15
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 2.1 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 150 | 230 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 17 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 18 | 24 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0931 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 39 | 120 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1637 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 32 | 120 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1637 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 31 | 120 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1637 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 34 | 120 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1637 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 25 | 120 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1637 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 26 | 120 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1637 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 23 | 120 | 5.00000 | ug/Kg | 148956 | | 05/16/05 1637 | bjt |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 68.5 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1412 | daj |
| | % Moisture, Solid | 31.5 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1412 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 110 | | | 0.5 | 2.9 | 5 | mg/Kg | 148134 | | 05/09/05 1453 | mtb |
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 0.7 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1415 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 0.29 | | | 0.0089 | 0.024 | 1 | mg/Kg | 148150 | | 05/09/05 1539 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 660 | | | 7.2 | 28 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 313
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-15
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Antimony, Solid* | 6.1 | | | 0.61 | 2.8 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Arsenic, Solid* | 140 | | | 0.52 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Barium, Solid* | 140 | | | 0.10 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Beryllium, Solid* | 0.29 | B | | 0.025 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Boron, Solid* | 11 | | | 0.42 | 7.1 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Cadmium, Solid* | ND | U | | 0.082 | 0.28 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Calcium, Solid* | 27000 | | | 2.6 | 14 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Chromium, Solid* | 12 | | | 0.14 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Cobalt, Solid* | 2.1 | | | 0.17 | 0.71 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Copper, Solid* | 66 | | | 0.31 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Iron, Solid* | 14000 | | | 3.1 | 14 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Lead, Solid* | 59 | | | 0.35 | 0.71 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Magnesium, Solid* | 1200 | | | 1.4 | 14 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Manganese, Solid* | 110 | | | 0.075 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Nickel, Solid* | 10 | | | 0.68 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Potassium, Solid* | 200 | | | 8.5 | 71 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Selenium, Solid* | 1.8 | | | 0.64 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Silver, Solid* | 0.46 | B | | 0.14 | 0.71 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Sodium, Solid* | ND | U | | 110 | 140 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Strontium, Solid* | 49 | | | 0.55 | 0.71 | 1 | mg/Kg | 148441 | | 05/11/05 1653 | tds |
| | Thallium, Solid* | ND | U | | 0.81 | 1.4 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Vanadium, Solid* | 8.6 | | | 0.21 | 0.71 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| | Zinc, Solid* | 160 | | | 1.9 | 2.8 | 1 | mg/Kg | 148313 | | 05/10/05 1646 | tds |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, Solid* | ND | U | | 1.3 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Chloromethane, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Vinyl chloride, Solid* | ND | U | | 1.0 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Bromomethane, Solid* | ND | U | | 3.9 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 313
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-15
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chloroethane, Solid* | ND | U | | 4.5 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Trichlorofluoromethane, Solid* | ND | U | | 1.4 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,1 Dichloroethene, Solid* | ND | U | | 1.9 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Carbon disulfide, Solid* | ND | U | | 1.0 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Acetone, Solid* | 51 | | | 4.7 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Methylene chloride, Solid* | 9.0 | | | 2.3 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | trans 1,2 Dichloroethene, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Methyl tert butyl ether (MTBE), Solid* | ND | U | | 0.80 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,1 Dichloroethane, Solid* | ND | U | | 0.86 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 2,2 Dichloropropane, Solid* | ND | U | | 2.0 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | cis 1,2 Dichloroethene, Solid* | ND | U | | 0.82 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 2 Butanone (MEK), Solid* | 11 | | | 3.2 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Bromochloromethane, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Chloroform, Solid* | ND | U | | 0.99 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,1,1 Trichloroethane, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,1 Dichloropropene, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Carbon tetrachloride, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Benzene, Solid* | ND | U | | 1.0 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,2 Dichloroethane, Solid* | ND | U | | 0.80 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Trichloroethene, Solid* | ND | U | | 0.96 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,2 Dichloropropane, Solid* | ND | U | | 0.80 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Dibromomethane, Solid* | ND | U | | 1.2 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Bromodichloromethane, Solid* | ND | U | | 0.83 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | cis 1,3 Dichloropropene, Solid* | ND | U | | 0.85 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 4 Methyl 2 pentanone (MIBK), Solid* | ND | U | | 0.91 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Toluene, Solid* | ND | U | | 2.5 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | trans 1,3 Dichloropropene, Solid* | ND | U | | 0.88 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,1,2 Trichloroethane, Solid* | ND | U | | 1.2 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Tetrachloroethene, Solid* | ND | U | | 1.3 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 313
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327 15
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,3 Dichloropropane, Solid* | ND | U | | 0.89 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 2 Hexanone, Solid* | ND | U | | 1.8 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Dibromochloroethane, Solid* | ND | U | | 0.95 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,2 Dibromethane (EDB), Solid* | ND | U | | 0.93 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Chlorobenzene, Solid* | ND | U | | 0.82 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,1,1,2 Tetrachloroethane, Solid* | ND | U | | 0.88 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Ethylbenzene, Solid* | ND | U | | 0.93 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | m&p Xylenes, Solid* | ND | U | | 1.8 | 15 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | o Xylene, Solid* | ND | U | | 0.91 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Styrene, Solid* | ND | U | | 0.91 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Bromoform, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Isopropylbenzene, Solid* | ND | U | | 0.99 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | Bromobenzene, Solid* | ND | U | | 0.66 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,1,2,2 Tetrachloroethane, Solid* | ND | U | | 0.91 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,2,3 Trichloropropane, Solid* | ND | U | | 1.8 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | n Propylbenzene, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 2 Chlorotoluene, Solid* | ND | U | | 0.96 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,3,5 Trimethylbenzene, Solid* | ND | U | | 1.2 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 4 Chlorotoluene, Solid* | ND | U | | 1.0 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | tert Butylbenzene, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,2,4 Trimethylbenzene, Solid* | ND | U | | 1.2 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | sec Butylbenzene, Solid* | ND | U | | 1.2 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,3 Dichlorobenzene, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | p Isopropyltoluene, Solid* | ND | U | | 1.2 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,4 Dichlorobenzene, Solid* | ND | U | | 1.0 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | n Butylbenzene, Solid* | ND | U | | 1.6 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,2 Dichlorobenzene, Solid* | ND | U | | 1.1 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,2 Dibromo 3 chloropropane, Solid* | ND | U | | 2.2 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,2,4 Trichlorobenzene, Solid* | ND | U | | 1.8 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: [illegible]

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 313
Date Sampled.....: 05/04/2005
Time Sampled.....: 12.00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-15
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hexachlorobutadiene, Solid* | ND | U | | 3.8 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |
| | 1,2,3 Trichlorobenzene, Solid* | ND | U | | 1.6 | 7.3 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1204 | jdn |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 315
Date Sampled.....: 05/04/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-16
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol, 3541 Low Solid* | ND | U | | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Bis(2 chloroethyl)ether, 3541 Low Solid* | ND | U | | 1900 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 1,3 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1000 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 1,4 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 1,2 Dichlorobenzene, 3541 Low Solid* | ND | U | | 1100 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Benzyl alcohol, 3541 Low Solid* | ND | U | | 5400 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2 Methylphenol (o cresol), 3541 Low Solid* | ND | U | | 1300 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2,2 oxybis (1 chloropropane), 3541 Low Solid | ND | U | | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | n Nitroso di n propylamine, 3541 Low Solid* | ND | U | | 1300 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Hexachloroethane, 3541 Low Solid* | ND | U | | 1300 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 4 Methylphenol (m/p cresol), 3541 Low Solid | ND | U | | 1500 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2 Chlorophenol, 3541 Low Solid* | ND | U | | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Nitrobenzene, 3541 Low Solid* | ND | U | | 440 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Bis(2 chloroethoxy)methane, 3541 Low Solid* | ND | U | | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 1,2,4 Trichlorobenzene, 3541 Low Solid* | ND | U | | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Benzoic acid, 3541 Low Solid* | ND | U | | 34000 | 78000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Isophorone, 3541 Low Solid* | ND | U | | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2,4 Dimethylphenol, 3541 Low Solid* | ND | U | | 3700 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Hexachlorobutadiene, 3541 Low Solid* | ND | U | | 1800 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Naphthalene, 3541 Low Solid* | 25000 | | | 310 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2,4 Dichlorophenol, 3541 Low Solid* | ND | U | | 2600 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 4 Chloroaniline, 3541 Low Solid* | ND | U | | 3400 | 31000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2,4,6 Trichlorophenol, 3541 Low Solid* | ND | U | | 3200 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2,4,5 Trichlorophenol, 3541 Low Solid* | ND | U | | 3400 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Hexachlorocyclopentadiene, 3541 Low Solid* | ND | U | | 5300 | 31000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2 Methylnaphthalene, 3541 Low Solid* | 48000 | | | 1700 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2 Nitroaniline, 3541 Low Solid* | ND | U | | 1600 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2 Chloronaphthalene, 3541 Low Solid* | ND | U | | 1000 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 315
Date Sampled.....: 05/04/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-16
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Chloro 3 methylphenol, 3541 Low Solid* | ND | U | | 2500 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2,6 Dinitrotoluene, 3541 Low Solid* | ND | U | | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2 Nitrophenol, 3541 Low Solid* | ND | U | | 3500 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 3 Nitroaniline, 3541 Low Solid* | ND | U | | 2000 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Dimethyl phthalate, 3541 Low Solid* | ND | U | | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2,4 Dinitrophenol, 3541 Low Solid* | ND | U | | 12000 | 31000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Acenaphthylene, 3541 Low Solid* | ND | U | | 300 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 2,4 Dinitrotoluene, 3541 Low Solid* | ND | U | | 1800 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Acenaphthene, 3541 Low Solid* | ND | U | | 300 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Dibenzofuran, 3541 Low Solid* | 6600 | J | H | 1200 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 4 Nitrophenol, 3541 Low Solid* | ND | U | | 8700 | 31000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Fluorene, 3541 Low Solid* | 13000 | | | 290 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 4 Nitroaniline, 3541 Low Solid* | ND | U | | 2200 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 4 Bromophenyl phenyl ether, 3541 Low Soli* | ND | U | | 900 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Hexachlorobenzene, 3541 Low Solid* | ND | U | | 890 | 3100 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Diethyl phthalate, 3541 Low Solid* | ND | U | | 1700 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 4 Chlorophenyl phenyl ether, 3541 Low Sol*d | ND | U | | 1600 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Pentachlorophenol, 3541 Low Solid* | ND | U | | 8600 | 31000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | n Nitrosodiphenylamine, 3541 Low Solid* | ND | U | | 790 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 4,6 Dinitro-2-methylphenol, 3541 Low Soli* | ND | U | | 4500 | 15000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Phenanthrene, 3541 Low Solid* | 26000 | | | 250 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Anthracene, 3541 Low Solid* | 3800 | | | 330 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Carbazole, 3541 Low Solid* | ND | U | | 900 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Di n-butyl phthalate, 3541 Low Solid* | ND | U | | 910 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Benzidine, 3541 Low Solid* | ND | U | | 6800 | 31000 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Fluoranthene, 3541 Low Solid* | 13000 | | | 290 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Pyrene, 3541 Low Solid* | 25000 | | | 350 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Butyl benzyl phthalate, 3541 Low Solid* | ND | U | | 1100 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Benzo(a)anthracene, 3541 Low Solid* | 6600 | | | 300 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 315
Date Sampled.....: 05/04/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-16
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | O | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrysene, 3541 Low Solid* | 10000 | | | 310 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | 3,3 Dichlorobenzidine, 3541 Low Solid* | ND | U | | 1600 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Bis(2 ethylhexyl)phthalate, 3541 Low Solid* | ND | U | | 3300 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Di n octyl phthalate, 3541 Low Solid* | ND | U | | 1400 | 7800 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Benzo(b)fluoranthene, 3541 Low Solid* | 5900 | | M | 380 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Benzo(k)fluoranthene, 3541 Low Solid* | 5600 | | M | 430 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Benzo(a)pyrene, 3541 Low Solid* | 7300 | | M | 180 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Indeno(1,2,3 cd)pyrene, 3541 Low Solid* | 5100 | | | 310 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Dibenzo(a,h)anthracene, 3541 Low Solid* | 3500 | | M | 310 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| | Benzo(ghi)perylene, 3541 Low Solid* | 9200 | | | 410 | 1500 | 10.00000 | ug/Kg | 149122 | | 05/14/05 0601 | dpk |
| 8081A | Organochlorine Pesticide Analysis | | | | | | | | | | | |
| | alpha BHC, 3541 Solid* | ND | U | | 11 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | beta BHC, 3541 Solid* | 34 | | | 16 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | delta BHC, 3541 Solid* | ND | U | | 16 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | gamma BHC (Lindane), 3541 Solid* | ND | U | | 12 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Heptachlor, 3541 Solid* | ND | U | | 11 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Aldrin, 3541 Solid* | ND | U | | 10 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Heptachlor epoxide, 3541 Solid* | ND | U | | 11 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Endosulfan I, 3541 Solid* | ND | U | | 12 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Dieldrin, 3541 Solid* | ND | U | | 10 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | 4,4'-DDE, 3541 Solid* | ND | U | | 11 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Endrin, 3541 Solid* | ND | U | | 11 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Endosulfan II, 3541 Solid* | ND | U | | 12 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | 4,4'-DDD, 3541 Solid* | ND | U | | 13 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Endosulfan sulfate, 3541 Solid* | ND | U | | 13 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | 4,4'-DDT, 3541 Solid* | 58 | | M | 11 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Methoxychlor, 3541 Solid* | ND | U | | 16 | 98 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | alpha-Chlordane, 3541 Solid* | ND | U | | 10 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 315
Date Sampled.....: 05/04/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-16
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | gamma Chlordane, 3541 Solid* | ND | U | | 1.8 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Toxaphene, 3541 Solid* | ND | U | | 130 | 200 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Endrin aldehyde, 3541 Solid* | ND | U | | 14 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| | Endrin ketone, 3541 Solid* | ND | U | | 15 | 20 | 10.0000 | ug/Kg | 148813 | | 05/14/05 0959 | pjg |
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016, 3541 Solid* | ND | U | | 6.6 | 20 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1507 | bjt |
| | Aroclor 1221, 3541 Solid* | ND | U | | 5.4 | 20 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1507 | bjt |
| | Aroclor 1232, 3541 Solid* | ND | U | | 5.3 | 20 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1507 | bjt |
| | Aroclor 1242, 3541 Solid* | ND | U | | 5.8 | 20 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1507 | bjt |
| | Aroclor 1248, 3541 Solid* | ND | U | | 4.2 | 20 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1507 | bjt |
| | Aroclor 1254, 3541 Solid* | ND | U | | 4.4 | 20 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1507 | bjt |
| | Aroclor 1260, 3541 Solid* | ND | U | | 3.9 | 20 | 1.00000 | ug/Kg | 148956 | | 05/13/05 1507 | bjt |
| Method | % Solids Determination | | | | | | | | | | | |
| | % Solids, Solid | 83.7 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1415 | daj |
| | % Moisture, Solid | 16.3 | | | 0.10 | 0.10 | 1 | % | 147920 | | 05/05/05 1415 | daj |
| 9014/9010B | Cyanide (Colorimetric) | | | | | | | | | | | |
| | Cyanide, Total, Solid* | 1.1 | | | 0.09 | 0.52 | 1 | mg/Kg | 148134 | | 05/09/05 1453 | mtb |
| 9045C | pH (Soil) | | | | | | | | | | | |
| | pH, Solid | 6.1 | | | 0.2 | 0.2 | 1 | pH Units | 148125 | | 05/09/05 1417 | pmf |
| 7471A | Mercury (CVAA) Solids | | | | | | | | | | | |
| | Mercury, Solid* | 0.029 | | | 0.0073 | 0.020 | 1 | mg/Kg | 148150 | | 05/09/05 1541 | gok |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum, Solid* | 570 | | | 5.7 | 23 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 315
Date Sampled.....: 05/04/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-16
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Antimony, Solid* | 0.58 | B | | 0.49 | 2.3 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Arsenic, Solid* | 2.5 | | | 0.42 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Barium, Solid* | 29 | | | 0.082 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Beryllium, Solid* | 0.86 | | | 0.020 | 0.45 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Boron, Solid* | 5.4 | B | | 0.34 | 5.7 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Cadmium, Solid* | 0.95 | | | 0.066 | 0.23 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Calcium, Solid* | 1500 | | | 2.1 | 11 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Chromium, Solid* | 6.5 | | | 0.11 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Cobalt, Solid* | 2.8 | | | 0.14 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Copper, Solid* | 14 | | | 0.25 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Iron, Solid* | 3500 | | | 2.5 | 11 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Lead, Solid* | 16 | | | 0.28 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Magnesium, Solid* | 630 | | | 1.1 | 11 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Manganese, Solid* | 58 | | | 0.060 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Nickel, Solid* | 19 | | | 0.54 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Potassium, Solid* | 86 | | | 6.8 | 57 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Selenium, Solid* | 1.4 | | | 0.51 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Silver, Solid* | ND | U | | 0.11 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Sodium, Solid* | ND | U | | 89 | 110 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Strontium, Solid* | 26 | | | 0.44 | 0.57 | 1 | mg/Kg | 148441 | | 05/11/05 1659 | tds |
| | Thallium, Solid* | ND | U | | 0.65 | 1.1 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Vanadium, Solid* | 42 | | | 0.17 | 0.57 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| | Zinc, Solid* | 58 | | | 1.6 | 2.3 | 1 | mg/Kg | 148313 | | 05/10/05 1718 | tds |
| 8260B | Volatile Organics | | | | | | | | | | | |
| | Dichlorodifluoromethane, Solid* | ND | U | | 1.0 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Chloromethane, Solid* | ND | U | | 0.86 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Vinyl chloride, Solid* | ND | U | | 0.84 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Bromomethane, Solid* | ND | U | | 3.2 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 315
Date Sampled.....: 05/04/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-16
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chloroethane, Solid* | ND | U | | 3.7 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Trichlorofluoromethane, Solid* | ND | U | | 1.1 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,1 Dichloroethene, Solid* | ND | U | | 1.6 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Carbon disulfide, Solid* | ND | U | | 0.82 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Acetone, Solid* | 19 | | | 3.8 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Methylene chloride, Solid* | ND | U | | 1.9 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | trans 1,2 Dichloroethene, Solid* | ND | U | | 0.92 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Methyl tert butyl ether (MTBE), Solid* | ND | U | | 0.66 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,1 Dichloroethane, Solid* | ND | U | | 0.70 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 2,2 Dichloropropane, Solid* | ND | U | | 1.7 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | cis 1,2 Dichloroethene, Solid* | ND | U | | 0.67 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 2 Butanone (MEK), Solid* | ND | U | | 2.6 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Bromochloromethane, Solid* | ND | U | | 0.90 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Chloroform, Solid* | ND | U | | 0.81 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,1,1 Trichloroethane, Solid* | ND | U | | 0.86 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,1 Dichloropropene, Solid* | ND | U | | 0.86 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Carbon tetrachloride, Solid* | ND | U | | 0.87 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Benzene, Solid* | ND | U | | 0.82 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,2 Dichloroethane, Solid* | ND | U | | 0.66 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Trichloroethene, Solid* | ND | U | | 0.79 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,2 Dichloropropane, Solid* | ND | U | | 0.66 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Dibromomethane, Solid* | ND | U | | 0.96 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Bromodichloromethane, Solid* | ND | U | | 0.68 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | cis 1,3 Dichloropropene, Solid* | ND | U | | 0.69 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 4 Methyl 2 pentanone (MIBK), Solid* | ND | U | | 0.74 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Toluene, Solid* | ND | U | | 2.0 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | trans 1,3 Dichloropropene, Solid* | ND | U | | 0.72 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,1,2 Trichloroethane, Solid* | ND | U | | 0.98 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Tetrachloroethene, Solid* | ND | U | | 1.1 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 315
Date Sampled.....: 05/04/2005
Time Sampled.....: 13:00
Sample Matrix ....: Soil

Laboratory Sample ID: 236327-16
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,3 Dichloropropane, Solid* | ND | U | | 0.73 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 2 Hexanone, Solid* | ND | U | | 1.4 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Dibromochloromethane, Solid* | ND | U | | 0.78 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,2 Dibromoethane (EDB), Solid* | ND | U | | 0.76 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Chlorobenzene, Solid* | ND | U | | 0.67 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,1,1,2 Tetrachloroethane, Solid* | ND | U | | 0.72 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Ethylbenzene, Solid* | ND | U | | 0.76 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | m&p Xylenes, Solid* | ND | U | | 1.4 | 12 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | o Xylene, Solid* | ND | U | | 0.74 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Styrene, Solid* | ND | U | | 0.74 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Bromoform, Solid* | ND | U | | 0.88 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Isopropylbenzene, Solid* | ND | U | | 0.81 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | Bromobenzene, Solid* | ND | U | | 0.54 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,1,2,2 Tetrachloroethane, Solid* | ND | U | | 0.74 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,2,3 Trichloropropane, Solid* | ND | U | | 1.4 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | n Propylbenzene, Solid* | ND | U | | 0.88 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 2 Chlorotoluene, Solid* | ND | U | | 0.79 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,3,5 Trimethylbenzene, Solid* | ND | U | | 0.97 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 4 Chlorotoluene, Solid* | ND | U | | 0.82 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | tert Butylbenzene, Solid* | ND | U | | 0.93 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,2,4-Trimethylbenzene, Solid* | ND | U | | 1.0 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | sec-Butylbenzene, Solid* | ND | U | | 1.0 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,3-Dichlorobenzene, Solid* | ND | U | | 0.86 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | p Isopropyltoluene, Solid* | ND | U | | 0.98 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,4 Dichlorobenzene, Solid* | ND | U | | 0.84 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | n Butylbenzene, Solid* | ND | U | | 1.3 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,2 Dichlorobenzene, Solid* | ND | U | | 0.86 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,2 Dibromo-3 chloropropane, Solid* | ND | U | | 1.8 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,2,4 Trichlorobenzene, Solid* | ND | U | | 1.4 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |

* In Description = Dry Wgt.

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# LABORATORY TEST RESULTS

Job Number: 236327

Date:05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Customer Sample ID: X 315
Date Sampled.....: 05/04/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 236327-16
Date Received.....: 05/04/2005
Time Received.....: 15:00

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hexachlorobutadiene, Solid* | ND | U | | 3.1 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |
| | 1,2,3 Trichlorobenzene, Solid* | ND | U | | 1.3 | 6.0 | 1.00000 | ug/Kg | 148609 | | 05/12/05 1233 | jdn |

* In Description = Dry Wgt.

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# LABORATORY CHRONICLE

Job Number: 236327 Date: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Lab ID: 236327-1 Client ID: X301 Date Recvd: 05/04/2005 Sample Date: 05/02/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1333 | |
| 5030A | 5030 Purge & Trap of Methanol Extract | 1 | 148826 | | 05/15/2005 | 1238 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148134 | 148134 | 05/09/2005 | 1450 | |
| EDD | Electronic Data Deliverable | 1 | | | | | |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1600 | 10 |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1435 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1357 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/12/2005 | 2030 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/12/2005 | 1703 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/12/2005 | 1917 | 5.00000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 1930 | 25.0000 |
| 8260B | Volatile Organics | 1 | 148829 | 148826 | 05/15/2005 | 1238 | 1.0000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1358 | |

Lab ID: 236327-2 Client ID: X302 Date Recvd: 05/04/2005 Sample Date: 05/02/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1338 | |
| 5030A | 5030 Purge & Trap of Methanol Extract | 1 | 148826 | | 05/15/2005 | 1323 | |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/12/2005 | 2221 | 20.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/12/2005 | 1841 | 10.0000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/12/2005 | 2051 | 10.0000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/14/2005 | 0625 | 200.000 |
| 8260B | Volatile Organics | 1 | 148829 | 148826 | 05/15/2005 | 1323 | 20.00 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1400 | |

Lab ID: 236327-3 Client ID: X303 Date Recvd: 05/04/2005 Sample Date: 05/02/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1341 | |
| 8081A | 8081 Soil(5g)Prep | 1 | 149027 | | 05/17/2005 | 0116 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148375 | 148375 | 05/11/2005 | 1359 | 5 |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1610 | 100 |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1506 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1431 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/12/2005 | 2249 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/12/2005 | 1931 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/12/2005 | 2115 | 10.0000 |
| 8260B | Volatile Organics | 1 | 149030 | 149027 149027 | 05/17/2005 | 0116 | 1.00000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1401 | |

Lab ID: 236327-4 Client ID: X304 Date Recvd: 05/04/2005 Sample Date: 05/02/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1343 | |

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# LABORATORY CHRONICLE

Job Number: 236327 Date: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Lab ID: 236327-4 Client ID: X304 Date Recvd: 05/04/2005 Sample Date: 05/02/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| 5030A | 5030 Purge & Trap of Methanol Extract | 1 | 148826 | | 05/15/2005 | 1431 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148134 | 148134 | 05/09/2005 | 1451 | 25 |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1500 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1512 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1438 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/12/2005 | 2316 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/12/2005 | 1955 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/12/2005 | 2139 | 10.0000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/14/2005 | 0712 | 200.000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/14/2005 | 0736 | 1000.00 |
| 8260B | Volatile Organics | 1 | 148829 | 148826 | 05/15/2005 | 1431 | 1.0000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1402 | |

Lab ID: 236327-5 Client ID: X307 Date Recvd: 05/04/2005 Sample Date: 05/03/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1346 | |
| 5030A | 5030 Purge & Trap of Methanol Extract | 1 | 148826 | | 05/15/2005 | 1516 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148375 | 148375 | 05/11/2005 | 1359 | 5 |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1612 | 10 |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1518 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1444 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0134 | 20.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/12/2005 | 2109 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/12/2005 | 2202 | 10.0000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/14/2005 | 0800 | 200.000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/14/2005 | 0823 | 1000.00 |
| 8260B | Volatile Organics | 1 | 148829 | 148826 | 05/15/2005 | 1516 | 20.00 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1403 | |

Lab ID: 236327-6 Client ID: X305 Date Recvd: 05/04/2005 Sample Date: 05/03/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1349 | |
| 5030A | 5030 Purge & Trap of Methanol Extract | 1 | 148826 | | 05/15/2005 | 1601 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148134 | 148134 | 05/09/2005 | 1451 | 25 |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1615 | 20 |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1550 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1514 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0202 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/12/2005 | 2134 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/12/2005 | 2226 | 10.0000 |

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# LABORATORY CHRONICLE

Job Number: 236327 Date: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Lab ID: 236327-6 Client ID: X305 Date Recvd: 05/04/2005 Sample Date: 05/03/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics | 1 | 148829 | 148826 | 05/15/2005 | 1601 | 10.000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1404 | |

Lab ID: 236327-7 Client ID: X-202 Date Recvd: 05/04/2005 Sample Date: 05/03/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1351 | |
| 5030A | 5030 Soil(5g)Prep | 1 | 148467 | | 05/11/2005 | 1728 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148375 | 148375 | 05/11/2005 | 1400 | 5 |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1510 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1556 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1520 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0257 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/12/2005 | 2224 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/12/2005 | 2250 | 5.00000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 1953 | 25.0000 |
| 8260B | Volatile Organics | 1 | 148472 | 148467-148467 | 05/11/2005 | 1728 | 1.00000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1405 | |

Lab ID: 236327-8 Client ID: X-203 Date Recvd: 05/04/2005 Sample Date: 05/03/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1354 | |
| 5030A | 5030 Soil(5g)Prep | 1 | 148608 | | 05/12/2005 | 1559 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148375 | 148375 | 05/11/2005 | 1400 | |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1513 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1602 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1526 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0325 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/12/2005 | 2248 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/12/2005 | 2314 | 5.00000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 2015 | 50.0000 |
| 8260B | Volatile Organics | 1 | 148609 | 148608 | 05/12/2005 | 1559 | 1.00000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1406 | |

Lab ID: 236327-9 Client ID: X-204 Date Recvd: 05/04/2005 Sample Date: 05/03/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1356 | |
| 5030A | 5030 Soil(5g)Prep | 1 | 148608 | | 05/12/2005 | 1628 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148375 | 148375 | 05/11/2005 | 1401 | |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1515 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1609 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1532 | |

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# LABORATORY CHRONICLE

Job Number: 236327 Date: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Lab ID: 236327-9 Client ID: X-204 Date Recvd: 05/04/2005 Sample Date: 05/03/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0638 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/13/2005 | 0912 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/12/2005 | 2337 | 5.00000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 2037 | 50.0000 |
| 8260B | Volatile Organics | 1 | 148609 | 148608 | 05/12/2005 | 1628 | 1.00000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1408 | |

Lab ID: 236327-10 Client ID: X-205 Date Recvd: 05/04/2005 Sample Date: 05/04/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1359 | |
| 5030A | 5030 Soil(5g)Prep | 1 | 148608 | | 05/12/2005 | 1134 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148375 | 148375 | 05/11/2005 | 1402 | 5 |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1617 | 50 |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1615 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1539 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1547 | 10 |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0706 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/13/2005 | 0936 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 0001 | 5.00000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 2059 | 20.0000 |
| 8260B | Volatile Organics | 1 | 148609 | 148608 | 05/12/2005 | 1134 | 1.00000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1410 | |

Lab ID: 236327-11 Client ID: X-206 Date Recvd: 05/04/2005 Sample Date: 05/04/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1402 | |
| 5030A | 5030 Purge & Trap of Methanol Extract | 1 | 149003 | | 05/16/2005 | 2321 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148375 | 148375 | 05/11/2005 | 1403 | |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1619 | 10 |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1621 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1556 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0801 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/13/2005 | 1026 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 0025 | 10.0000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 2121 | 100.000 |
| 8260B | Volatile Organics | 1 | 149006 | 149003 | 05/16/2005 | 2321 | 1.0000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1411 | |

Lab ID: 236327-12 Client ID: X 207 Date Recvd: 05/04/2005 Sample Date: 05/04/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1404 | |
| 5030A | 5030 Purge & Trap of Methanol Extract | 1 | 148826 | | 05/15/2005 | 1708 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148375 | 148375 | 05/11/2005 | 1403 | |

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# LABORATORY CHRONICLE

Job Number: 236327 Date: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Lab ID: 236327-12 Client ID: X-207 Date Recvd: 05/04/2005 Sample Date: 05/04/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1525 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1627 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1602 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1608 | 5 |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0829 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/13/2005 | 1050 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 0048 | 5.00000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 2143 | 200.000 |
| 8260B | Volatile Organics | 1 | 148829 | 148826 | 05/15/2005 | 1708 | 1.0000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1412 | |

Lab ID: 236327-13 Client ID: X-311 Date Recvd: 05/04/2005 Sample Date: 05/04/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1407 | |
| 5030A | 5030 Purge & Trap of Methanol Extract | 1 | 148826 | | 05/15/2005 | 1753 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148134 | 148134 | 05/09/2005 | 1452 | |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1527 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1633 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1617 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0924 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/13/2005 | 1140 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 0112 | 10.0000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/16/2005 | 1322 | 1000.00 |
| 8260B | Volatile Organics | 1 | 148829 | 148826 | 05/15/2005 | 1753 | 20.00 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1413 | |

Lab ID: 236327-14 Client ID: X-312 Date Recvd: 05/04/2005 Sample Date: 05/04/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1410 | |
| 5030A | 5030 Purge & Trap of Methanol Extract | 1 | 148826 | | 05/15/2005 | 1838 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148134 | 148134 | 05/09/2005 | 1452 | 5 |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1536 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1640 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1647 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/13/2005 | 0952 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/16/2005 | 1612 | 5.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 0136 | 5.00000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/16/2005 | 1346 | 200.000 |
| 8260B | Volatile Organics | 1 | 148829 | 148826 | 05/15/2005 | 1838 | 1.0000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1414 | |

Lab ID: 236327-15 Client ID: X-313 Date Recvd: 05/04/2005 Sample Date: 05/04/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1412 | |

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# LABORATORY CHRONICLE

Job Number: 236327 Date: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Lab ID: 236327-15 Client ID: X-313 Date Recvd: 05/04/2005 Sample Date: 05/04/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| 5030A | 5030 Soil(5g)Prep | 1 | 148608 | | 05/12/2005 | 1204 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148134 | 148134 | 05/09/2005 | 1453 | 5 |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1539 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1646 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1653 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/14/2005 | 0931 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/16/2005 | 1637 | 5.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/13/2005 | 2206 | 200.000 |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/14/2005 | 0537 | 5.00000 |
| 8260B | Volatile Organics | 1 | 148609 | 148608 | 05/12/2005 | 1204 | 1.00000 |
| 9045C | pH (Soil) | 1 | 148125 | 148125 | 05/09/2005 | 1415 | |

Lab ID: 236327-16 Client ID: X-315 Date Recvd: 05/04/2005 Sample Date: 05/04/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| Method | % Solids Determination | 1 | 147920 | 147920 | 05/05/2005 | 1415 | |
| 5030A | 5030 Soil(5g)Prep | 1 | 148608 | | 05/12/2005 | 1233 | |
| 3050B | Acid Digestion: Solids (ICAP) | 1 | 147999 | | 05/06/2005 | 1355 | |
| 9014/9010B | Cyanide (Colorimetric) | 1 | 148134 | 148134 | 05/09/2005 | 1453 | |
| 3541 | Extraction Soxhlet (Chlor.Pest) | 1 | 148163 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (PCBs) | 1 | 148196 | | 05/10/2005 | 0800 | |
| 3541 | Extraction Soxhlet (SVOC) | 1 | 148037 | | 05/07/2005 | 0845 | |
| 7471A | Mercury (CVAA) Solids | 1 | 148150 | 148253 | 05/09/2005 | 1541 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148313 | 147999 | 05/10/2005 | 1718 | |
| 6010B | Metals Analysis (ICAP Trace) | 1 | 148441 | 147999 | 05/11/2005 | 1659 | |
| 8081A | Organochlorine Pesticide Analysis | 1 | 148813 | 148163 | 05/14/2005 | 0959 | 10.0000 |
| 8082 | PCB Analysis | 1 | 148956 | 148196 | 05/13/2005 | 1507 | 1.00000 |
| 7470/7471 | SW846 Digestion (Hg) | 1 | 148253 | | 05/09/2005 | 1245 | |
| 8270C | Semivolatile Organics | 1 | 149122 | 148037 | 05/14/2005 | 0601 | 10.0000 |
| 8260B | Volatile Organics | 1 | 148609 | 148608 | 05/12/2005 | 1233 | 1.00000 |
| 9045C | pH Soil | 1 | 148125 | 148125 | 05/09/2005 | 1417 | |

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# SURROGATE RECOVERIES REPORT

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN: Ann Cross

Method.....: Organochlorine Pesticide Analysis
Method Code...: 8081

Test Matrix...: 3541 Solid
Batch(s).....: 148813

Prep Batch..: 148163

| Lab ID | DT | Sample ID | Date | DCB | | TCX | |
|---|---|---|---|---|---|---|---|
| LCS | | | 05/12/2005 | 93 | | 53 | |
| MB | | | 05/12/2005 | 95 | | 57 | |
| 236327- 1 | | X301 | 05/12/2005 | 0 | D | 0 | D |
| 236327- 1 | MS | X301 | 05/12/2005 | 0 | D | 0 | D |
| 236327- 1 | MSD | X301 | 05/12/2005 | 0 | D | 0 | D |
| 236327- 2 | | X302 | 05/12/2005 | 0 | D | 0 | D |
| 236327- 3 | | X303 | 05/12/2005 | 0 | D | 0 | D |
| 236327- 4 | | X304 | 05/12/2005 | 5188*I | | 140* | |
| 236327- 5 | | X307 | 05/13/2005 | 0 | D | 0 | D |
| 236327- 6 | | X305 | 05/13/2005 | 0 | D | 0 | D |
| 236327- 7 | | X-202 | 05/13/2005 | 0 | D | 0 | D |
| 236327- 8 | | X-203 | 05/13/2005 | 0 | D | 0 | D |
| 236327- 9 | | X-204 | 05/13/2005 | 646*I | | 141* | |
| 236327- 10 | | X-205 | 05/13/2005 | 383*I | | 123 | |
| 236327- 11 | | X-206 | 05/13/2005 | 179*I | | 106 | |
| 236327- 12 | | X-207 | 05/13/2005 | 0 | D | 0 | D |
| 236327- 13 | | X-311 | 05/13/2005 | 0 | D | 0 | D |
| 236327- 14 | | X-312 | 05/13/2005 | 0 | D | 0 | D |
| 236327- 15 | | X-313 | 05/14/2005 | 0 | *I | 0 | *I |
| 236327- 16 | | X-315 | 05/14/2005 | 0 | *I | 284*I | |

| Test | Test Description | Limits |
|---|---|---|
| DCB | Decachlorobiphenyl (surr) | 20 - 152 |
| TCX | Tetrachloro m xylene (surr) | 30 - 124 |

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# SURROGATE RECOVERIES REPORT

Job Number.: 236327 Report Date.: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN: Ann Cross

Method.....: PCB Analysis Test Matrix...: 3541 Solid Prep Batch..: 148196
Method Code...: 8082 Batch(s).....: 148956

| Lab ID | DT | Sample ID | Date | DCB | TCX | | |
|---|---|---|---|---|---|---|---|
| LCS | | | 05/12/2005 | 119 | 78 | | |
| MB | | | 05/12/2005 | 115 | 60 | | |
| 236327- 1 | | X301 | 05/12/2005 | 115 | 128 | | |
| 236327- 1 | MS | X301 | 05/12/2005 | 88 | 87 | | |
| 236327- 1 | MSD | X301 | 05/12/2005 | 80 | 80 | | |
| 236327- 2 | | X302 | 05/12/2005 | 104 | 106 | | |
| 236327- 3 | | X303 | 05/12/2005 | 88 | 100 | | |
| 236327- 4 | | X304 | 05/12/2005 | 108 | 133 | | |
| 236327- 5 | | X307 | 05/12/2005 | 99 | 124 | | |
| 236327- 6 | | X305 | 05/12/2005 | 92 | 100 | | |
| 236327 7 | | X-202 | 05/12/2005 | 96 | 104 | | |
| 236327 8 | | X-203 | 05/12/2005 | 106 | 117 | | |
| 236327 9 | | X-204 | 05/13/2005 | 94 | 110 | | |
| 236327 10 | | X-205 | 05/13/2005 | 101 | 124 | | |
| 236327 11 | | X-206 | 05/13/2005 | 86 | 108 | | |
| 236327 12 | | X-207 | 05/13/2005 | 82 | 94 | | |
| 236327 13 | | X-311 | 05/13/2005 | 107 | 121 | | |
| 236327 14 | | X-312 | 05/16/2005 | 141* | 0 | *I | |
| 236327 15 | | X-313 | 05/16/2005 | 130* | 0 | *I | |
| 236327 16 | | X-315 | 05/13/2005 | 75 | 79 | | |

| Test | Test Description | Limits |
|---|---|---|
| DCB | Decachlorobiphenyl (surr) | 70 - 125 |
| TCX | Tetrachloro m xylene (surr) | 44 - 135 |

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# SURROGATE RECOVERIES REPORT

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 149030
Prep Batch..: 148293

| Lab ID | DT | Sample ID | Date | 12DCED | BRFLBE | DBRFLM | TOLD8 |
|---|---|---|---|---|---|---|---|
| EB3 | | | 05/17/2005 | 90 | 97 | 99 | 95 |

| Test | Test Description | Limits |
|---|---|---|
| 12DCED | 1,2-Dichloroethane-d4 (surr) | 55 - 145 |
| BRFLBE | 4-Bromofluorobenzene (surr) | 68 - 132 |
| DBRFLM | Dibromofluoromethane (surr) | 63 - 146 |
| TOLD8 | Toluene-d8 (surr) | 66 - 140 |

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 148472
Prep Batch..: 148467

| Lab ID | DT | Sample ID | Date | 12DCED | BRFLBE | DBRFLM | TOLD8 |
|---|---|---|---|---|---|---|---|
| LCD | | | 05/11/2005 | 89 | 103 | 94 | 99 |
| LCS | | | 05/11/2005 | 95 | 106 | 98 | 103 |
| MB | | | 05/11/2005 | 93 | 99 | 102 | 95 |
| 236327 | 7 | X 202 | 05/11/2005 | 92 | 95 | 97 | 95 |

| Test | Test Description | Limits |
|---|---|---|
| 12DCED | 1,2 Dichloroethane-d4 (surr) | 55 - 145 |
| BRFLBE | 4 Bromofluorobenzene (surr) | 68 - 132 |
| DBRFLM | Dibromofluoromethane (surr) | 63 - 146 |
| TOLD8 | Toluene d8 (surr) | 66 - 140 |

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 148609
Prep Batch..: 148608

| Lab ID | DT | Sample ID | Date | 12DCED | BRFLBE | DBRFLM | TOLD8 |
|---|---|---|---|---|---|---|---|
| LCD | | | 05/12/2005 | 93 | 101 | 93 | 100 |
| LCS | | | 05/12/2005 | 85 | 104 | 90 | 101 |
| MB | | | 05/12/2005 | 90 | 99 | 97 | 95 |
| 236327 | 8 | X 203 | 05/12/2005 | 91 | 94 | 99 | 96 |
| 236327 | 9 | X 204 | 05/12/2005 | 73 | 82 | 86 | 94 |
| 236327 | 1 | X 205 | 05/12/2005 | 92 | 100 | 99 | 93 |
| 236327 | 11 | X 313 | 05/12/2005 | 94 | 102 | 101 | 95 |
| 236327 | 12 | X 315 | 05/12/2005 | 97 | 102 | 106 | 93 |

| Test | Test Description | Limits |
|---|---|---|
| 12DCED | 1,2 Dichloroethane-d4 (surr) | 55 - 145 |
| BRFLBE | 4 Bromofluorobenzene (surr) | 68 - 132 |
| DBRFLM | Dibromofluoromethane (surr) | 63 - 146 |
| TOLD8 | Toluene d8 (surr) | 66 - 140 |

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# SURROGATE RECOVERIES REPORT

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: High/Med Level
Batch(s).....: 148829
Prep Batch..: 148826

| Lab ID | DT | Sample ID | Date | 12DCED | BRFLBE | DBRFLM | TOLD8 |
|---|---|---|---|---|---|---|---|
| LCS | | | 05/15/2005 | 100 | 99 | 93 | 102 |
| MB | | | 05/15/2005 | 111 | 103 | 101 | 107 |
| 236327- 1 | | X301 | 05/15/2005 | 97 | 111 | 93 | 104 |
| 236327 2 | | X302 | 05/15/2005 | 99 | 100 | 89 | 105 |
| 236327 4 | | X304 | 05/15/2005 | 96 | 102 | 91 | 107 |
| 236327 5 | | X307 | 05/15/2005 | 91 | 101 | 90 | 106 |
| 236327 6 | | X305 | 05/15/2005 | 94 | 100 | 90 | 106 |
| 236327 12 | | X-207 | 05/15/2005 | 87 | 102 | 88 | 107 |
| 236327 13 | | X-311 | 05/15/2005 | 89 | 100 | 86 | 106 |
| 236327 14 | | X-312 | 05/15/2005 | 85 | 98 | 84 | 107 |

| Test | Test Description | Limits |
|---|---|---|
| 12DCED | 1,2-Dichloroethane-d4 (surr) | 43 - 139 |
| BRFLBE | 4-Bromofluorobenzene (surr) | 57 - 124 |
| DBRFLM | Dibromofluoromethane (surr) | 64 132 |
| TOLD8 | Toluene-d8 (surr) | 70 128 |

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: High/Med Level
Batch(s).....: 149006
Prep Batch..: 149003

| Lab ID | DT | Sample ID | Date | 12DCED | BRFLBE | DBRFLM | TOLD8 |
|---|---|---|---|---|---|---|---|
| [illegible] | | | 05/17/2005 | 78 | 97 | 85 | 106 |
| [illegible] | | | 05/16/2005 | 97 | 104 | 91 | 109 |
| MB | | | 05/16/2005 | 107 | 104 | 101 | 107 |
| [illegible] | [illegible] | X 206 | 05/16/2005 | 99 | 105 | 93 | 108 |

| Test | Test Description | Limits |
|---|---|---|
| [illegible] | 1,2-Dichloroethane-d4 (surr) | 43 139 |
| [illegible] | 4-Bromofluorobenzene (surr) | 57 124 |
| DBRFLM | Dibromofluoromethane (surr) | 64 132 |
| [illegible] | Toluene-d8 (surr) | 70 128 |

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 149030
Prep Batch..: 149027

| Lab ID | DT | Sample ID | Date | 12DCED | BRFLBE | DBRFLM | TOLD8 |
|---|---|---|---|---|---|---|---|
| [illegible] | | | 05/17/2005 | 93 | 101 | 95 | 99 |
| [illegible] | | | 05/16/2005 | 90 | 100 | 95 | 100 |
| [illegible] | | | 05/16/2005 | 91 | 95 | 98 | 95 |
| [illegible] | | X313 | 05/17/2005 | 91 | 98 | 99 | 95 |

| Test | Test Description | Limits |
|---|---|---|
| [illegible] | 1,2-Dichloroethane-d4 (surr) | 55 145 |
| [illegible] | 4-Bromofluorobenzene (surr) | 65 132 |
| [illegible] | Dibromofluoromethane (surr) | 63 140 |
| [illegible] | Toluene-d8 (surr) | 66 140 |

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# SURROGATE RECOVERIES REPORT

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

Method.....: Semivolatile Organics | Test Matrix...: 3541 Low Solid | Prep Batch..: 148037
Method Code...: 8270 | Batch(s).....: 149122

| Lab ID | DT | Sample ID | Date | 246TBP | 2FLUBP | 2FLUPH | NITRD5 | PHEND5 | TERD14 |
|---|---|---|---|---|---|---|---|---|---|
| LCS | | | 05/12/2005 | 84 | 96 | 84 | 96 | 92 | 106 |
| MB | | | 05/12/2005 | 89 | 96 | 90 | 98 | 93 | 101 |
| 236327- 1 | | X301 | 05/12/2005 | 103 | 110* | 93 | 95 | 89 | 148* |
| 236327- 1 | D1 | X301 | 05/13/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327- 1 MS | | X301 | 05/12/2005 | 93 | 109* | 94 | 94 | 91 | 154* |
| 236327- 1 MSD | | X301 | 05/12/2005 | 104 | 116* | 96 | 103* | 97 | 148* |
| 236327 2 | | X302 | 05/12/2005 | 105 | 127* | 111* | 214* | 118* | 286* |
| 236327- 2 | D1 | X302 | 05/14/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327- 3 | | X303 | 05/12/2005 | 102 | 116* | 95 | 97 | 81 | 115 |
| 236327- 4 | | X304 | 05/12/2005 | 92 | 111* | 86 | 106* | 85 | 320* |
| 236327 4 | D1 | X304 | 05/14/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327- 4 | D2 | X304 | 05/14/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 5 | | X307 | 05/12/2005 | 112 | 149* | 114* | 249* | 118* | 384* |
| 236327 5 | D1 | X307 | 05/14/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327- 5 | D2 | X307 | 05/14/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 6 | | X305 | 05/12/2005 | 59 | 109* | 82 | 97 | 85 | 118* |
| 236327 7 | | X-202 | 05/12/2005 | 75 | 83 | 71 | 58 | 57 | 120* |
| 236327 7 | D1 | X-202 | 05/13/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 8 | | X-203 | 05/12/2005 | 81 | 99 | 80 | 86 | 72 | 122* |
| 236327 8 | D1 | X-203 | 05/13/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 9 | | X-204 | 05/12/2005 | 53 | 76 | 54 | 66 | 58 | 94 |
| 236327 9 | D1 | X-204 | 05/13/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 10 | | X-205 | 05/13/2005 | 91 | 100 | 78 | 78 | 63 | 117* |
| 236327 10 | D1 | X-205 | 05/13/2005 | 108 | 104* | 82 | 83 | 89 | 111 |
| 236327 11 | | X-206 | 05/13/2005 | 63 | 107* | 87 | 94 | 84 | 160* |
| 236327 11 | D1 | X-206 | 05/13/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 12 | | X-207 | 05/13/2005 | 92 | 103 | 77 | 102* | 80 | 166* |
| 236327 12 | D1 | X-207 | 05/13/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 13 | | X-311 | 05/13/2005 | 88 | 110* | 88 | 252* | 102 | 458* |
| 236327 13 | D1 | X-311 | 05/16/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 14 | | X-312 | 05/13/2005 | 75 | 87 | 71 | 91 | 88 | 108 |
| 236327 14 | D1 | X-312 | 05/16/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 15 | | X-313 | 05/14/2005 | 110 | 100 | 77 | 113* | 97 | 155* |
| 236327 15 | D1 | X-313 | 05/13/2005 | 0 D | 0 D | 0 D | 0 D | 0 D | 0 D |
| 236327 16 | | X-315 | 05/14/2005 | 117 | 109* | 90 | 110* | 90 | 163* |

| Test | Test Description | Limits | |
|---|---|---|---|
| 246TBP | 2,4,6-Tribromophenol (surr) | 18 | 136 |
| 2FLUBP | 2-Fluorobiphenyl (surr) | 44 | 103 |
| 2FLUPH | 2-Fluorophenol (surr) | 21 | 104 |
| NITRD5 | Nitrobenzene d5 (surr) | 34 | 105 |
| PHEND5 | Phenol d5 (surr) | 27 | 113 |
| TERD14 | Terphenyl d14 (surr) | 41 | 116 |

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8081A
Method Description.: Organochlorine Pesticide Analysis
Equipment Code....: INST1516
Batch.....: 148813
Analyst...: pjg

| LCS | Laboratory Control Sample | O5EWLCPFA | 148163-002 | | 05/12/2005 | 2003 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| alpha-BHC, 3541 Solid | ug/Kg | 9.913 | | 13.330 | 0.970 | U 74 | % | 29-120 | |
| beta-BHC, 3541 Solid | ug/Kg | 13.097 | | 13.330 | 1.400 | U 98 | % | 51-123 | |
| delta BHC, 3541 Solid | ug/Kg | 12.627 | | 13.330 | 1.400 | U 95 | % | 51-125 | |
| gamma-BHC (Lindane), 3541 Solid | ug/Kg | 11.110 | | 13.330 | 0.980 | U 83 | % | 37-121 | |
| Heptachlor, 3541 Solid | ug/Kg | 11.170 | | 13.330 | 0.910 | U 84 | % | 33-124 | |
| Aldrin, 3541 Solid | ug/Kg | 10.403 | | 13.330 | 0.890 | U 78 | % | 35-120 | |
| Heptachlor epoxide, 3541 Solid | ug/Kg | 12.343 | | 13.330 | 0.940 | U 93 | % | 51-116 | |
| Endosulfan I, 3541 Solid | ug/Kg | 8.353 | | 13.330 | 1.000 | U 63 | % | 27-100 | |
| Dieldrin, 3541 Solid | ug/Kg | 12.550 | | 13.330 | 0.890 | U 94 | % | 55-124 | |
| 4,4'-DDE, 3541 Solid | ug/Kg | 12.680 | | 13.330 | 0.940 | U 95 | % | 59-120 | |
| Endrin, 3541 Solid | ug/Kg | 11.877 | | 13.330 | 0.950 | U 89 | % | 49-136 | |
| Endosulfan II, 3541 Solid | ug/Kg | 9.360 | | 13.330 | 1.000 | U 70 | % | 37-105 | |
| 4,4'-DDD, 3541 Solid | ug/Kg | 10.733 | | 13.330 | 1.100 | U 80 | % | 59-130 | |
| Endosulfan sulfate, 3541 Solid | ug/Kg | 12.273 | | 13.330 | 1.100 | U 92 | % | 54-129 | |
| 4,4' DDT, 3541 Solid | ug/Kg | 12.530 | | 13.330 | 0.930 | U 94 | % | 58-130 | |
| Methoxychlor, 3541 Solid | ug/Kg | 13.280 | | 13.330 | 1.400 | U 100 | % | 57-132 | |
| alpha-Chlordane, 3541 Solid | ug/Kg | 12.643 | | 13.330 | 0.890 | U 95 | % | 64-123 | |
| gamma Chlordane, 3541 Solid | ug/Kg | 12.710 | | 13.330 | 0.150 | U 95 | % | 59 121 | |
| Endrin aldehyde, 3541 Solid | ug/Kg | 10.100 | | 13.330 | 1.200 | U 76 | % | 31-110 | |
| Endrin ketone, 3541 Solid | ug/Kg | 12.580 | | 13.330 | 1.300 | U 94 | % | 52-131 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8081A
Method Description.: Organochlorine Pesticide Analysis

Equipment Code....: INST1516
Batch.....: 148813

Analyst...: pjg

| | | | | | | |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 148163-001 | | 05/12/2005 | 1935 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| alpha-BHC, 3541 Solid | ug/Kg | 0.970 | U | | | | | | | |
| beta-BHC, 3541 Solid | ug/Kg | 1.400 | U | | | | | | | |
| delta-BHC, 3541 Solid | ug/Kg | 1.400 | U | | | | | | | |
| gamma-BHC (Lindane), 3541 Solid | ug/Kg | 0.980 | U | | | | | | | |
| Heptachlor, 3541 Solid | ug/Kg | 0.910 | U | | | | | | | |
| Aldrin, 3541 Solid | ug/Kg | 0.890 | U | | | | | | | |
| Heptachlor epoxide, 3541 Solid | ug/Kg | 0.940 | U | | | | | | | |
| Endosulfan I, 3541 Solid | ug/Kg | 1.000 | U | | | | | | | |
| Dieldrin, 3541 Solid | ug/Kg | 0.890 | U | | | | | | | |
| 4,4' DDE, 3541 Solid | ug/Kg | 0.940 | U | | | | | | | |
| Endrin, 3541 Solid | ug/Kg | 0.950 | U | | | | | | | |
| Endosulfan II, 3541 Solid | ug/Kg | 1.000 | U | | | | | | | |
| 4,4'-DDD, 3541 Solid | ug/Kg | 1.100 | U | | | | | | | |
| Endosulfan sulfate, 3541 Solid | ug/Kg | 1.100 | U | | | | | | | |
| 4,4' DDT, 3541 Solid | ug/Kg | 0.930 | U | | | | | | | |
| Methoxychlor, 3541 Solid | ug/Kg | 1.400 | U | | | | | | | |
| alpha-Chlordane, 3541 Solid | ug/Kg | 0.890 | U | | | | | | | |
| gamma-Chlordane, 3541 Solid | ug/Kg | 0.150 | U | | | | | | | |
| Toxaphene, 3541 Solid | ug/Kg | 11.000 | U | | | | | | | |
| Endrin aldehyde, 3541 Solid | ug/Kg | 1.200 | U | | | | | | | |
| Endrin ketone, 3541 Solid | ug/Kg | 1.300 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8081A
Method Description.: Organochlorine Pesticide Analysis
Equipment Code....: INST1516
Batch.....: 148813
Analyst...: pjg

| MS | Matrix Spike | O5EWLCPFA | 236327-1 | 10.0000 | 05/12/2005 2058 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| alpha-BHC, 3541 Solid | ug/Kg | 21.716 | U | | 149.300 | 21.716 | U | 0 | % | 29-120 | D |
| beta-BHC, 3541 Solid | ug/Kg | 31.342 | U | | 149.300 | 31.342 | U | 0 | % | 51-123 | D |
| delta-BHC, 3541 Solid | ug/Kg | 31.342 | U | | 149.300 | 31.342 | U | 0 | % | 51-125 | D |
| gamma-BHC (Lindane), 3541 Solid | ug/Kg | 21.940 | U | | 149.300 | 21.940 | U | 0 | % | 37-121 | D |
| Heptachlor, 3541 Solid | ug/Kg | 20.373 | U | | 149.300 | 20.373 | U | 0 | % | 33-124 | D |
| Aldrin, 3541 Solid | ug/Kg | 19.925 | U | | 149.300 | 19.925 | U | 0 | % | 35-120 | D |
| Heptachlor epoxide, 3541 Solid | ug/Kg | 21.044 | U | | 149.300 | 21.044 | U | 0 | % | 51-116 | D |
| Endosulfan I, 3541 Solid | ug/Kg | 22.387 | U | | 149.300 | 22.387 | U | 0 | % | 27-100 | D |
| Dieldrin, 3541 Solid | ug/Kg | 19.925 | U | | 149.300 | 19.925 | U | 0 | % | 55-124 | D |
| 4,4' DDE, 3541 Solid | ug/Kg | 21.044 | U | | 149.300 | 21.044 | U | 0 | % | 59-120 | D |
| Endrin, 3541 Solid | ug/Kg | 21.268 | U | | 149.300 | 21.268 | U | 0 | % | 49-136 | D |
| Endosulfan II, 3541 Solid | ug/Kg | 22.387 | U | | 149.300 | 22.387 | U | 0 | % | 37-105 | D |
| 4,4'-DDD, 3541 Solid | ug/Kg | 24.626 | U | | 149.300 | 24.626 | U | 0 | % | 59-130 | D |
| Endosulfan sulfate, 3541 Solid | ug/Kg | 24.626 | U | | 149.300 | 24.626 | U | 0 | % | 54-129 | D |
| 4,4' DDT, 3541 Solid | ug/Kg | 20.820 | U | | 149.300 | 20.820 | U | 0 | % | 58-130 | D |
| Methoxychlor, 3541 Solid | ug/Kg | 31.342 | U | | 149.300 | 31.342 | U | 0 | % | 57-132 | D |
| alpha-Chlordane, 3541 Solid | ug/Kg | 19.925 | U | | 149.300 | 19.925 | U | 0 | % | 64-123 | D |
| gamma Chlordane, 3541 Solid | ug/Kg | 3.358 | U | | 149.300 | 3.358 | U | 0 | % | 59-121 | D |
| Endrin aldehyde, 3541 Solid | ug/Kg | 26.865 | U | | 149.300 | 26.865 | U | 0 | % | 31-110 | D |
| Endrin ketone, 3541 Solid | ug/Kg | 29.104 | U | | 149.300 | 29.104 | U | 0 | % | 52-131 | D |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MSD | Matrix Spike Duplicate | O5EWLCPFA | 236327-1 | 10.0000 | 05/12/2005 | 2126 |

Test Method.....: 8081A
Method Description.: Organochlorine Pesticide Analysis

Equipment Code....: INST1516
Batch.....: 148813

Analyst...: pjg

| Parameter/Test Description | Units | QC Result | | QC Result | | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| alpha-BHC, 3541 Solid | ug/Kg | 21.803 | U | 21.803 | U | 149.900 | 21.803 | U | 0<br>0 | %<br>R | 29-120<br>30 | D |
| beta-BHC, 3541 Solid | ug/Kg | 31.468 | U | 31.468 | U | 149.900 | 31.468 | U | 0<br>0 | %<br>R | 51-123<br>30 | D |
| delta-BHC, 3541 Solid | ug/Kg | 31.468 | U | 31.468 | U | 149.900 | 31.468 | U | 0<br>0 | %<br>R | 51-125<br>30 | D |
| gamma BHC (Lindane), 3541 Solid | ug/Kg | 22.028 | U | 22.028 | U | 149.900 | 22.028 | U | 0<br>0 | %<br>R | 37-121<br>30 | D |
| Heptachlor, 3541 Solid | ug/Kg | 20.455 | U | 20.455 | U | 149.900 | 20.455 | U | 0<br>0 | %<br>R | 33-124<br>30 | D |
| Aldrin, 3541 Solid | ug/Kg | 20.005 | U | 20.005 | U | 149.900 | 20.005 | U | 0<br>0 | %<br>R | 35-120<br>30 | D |
| Heptachlor epoxide, 3541 Solid | ug/Kg | 21.129 | U | 21.129 | U | 149.900 | 21.129 | U | 0<br>0 | %<br>R | 51-116<br>30 | D |
| Endosulfan I, 3541 Solid | ug/Kg | 22.477 | U | 22.477 | U | 149.900 | 22.477 | U | 0<br>0 | %<br>R | 27-100<br>30 | D |
| Dieldrin, 3541 Solid | ug/Kg | 20.005 | U | 20.005 | U | 149.900 | 20.005 | U | 0<br>0 | %<br>R | 55-124<br>30 | D |
| 4,4'-DDE, 3541 Solid | ug/Kg | 21.129 | U | 21.129 | U | 149.900 | 21.129 | U | 0<br>0 | %<br>R | 59-120<br>30 | D |
| Endrin, 3541 Solid | ug/Kg | 21.354 | U | 21.354 | U | 149.900 | 21.354 | U | 0<br>0 | %<br>R | 49-136<br>30 | D |
| Endosulfan II, 3541 Solid | ug/Kg | 22.477 | U | 22.477 | U | 149.900 | 22.477 | U | 0<br>0 | %<br>R | 37-105<br>30 | D |
| 4,4'-DDD, 3541 Solid | ug/Kg | 24.725 | U | 24.725 | U | 149.900 | 24.725 | U | 0<br>0 | %<br>R | 59-130<br>30 | D |
| Endrin aldehyde, 3541 Solid | ug/Kg | 24.725 | U | 24.725 | U | 149.900 | 24.725 | U | 0<br>0 | %<br>R | 54-129<br>30 | D |
| 4,4'-DDT, 3541 Solid | ug/Kg | 20.904 | U | 20.904 | U | 149.900 | 20.904 | U | 0<br>0 | %<br>R | 58-130<br>30 | D |
| Methoxychlor, 3541 Solid | ug/Kg | 31.468 | U | 31.468 | U | 149.900 | 31.468 | U | 0<br>0 | %<br>R | 57-132<br>30 | D |
| alpha-Chlordane, 3541 Solid | ug/Kg | 20.005 | U | 20.005 | U | 149.900 | 20.005 | U | 0<br>0 | %<br>R | 64-123<br>30 | D |
| gamma-Chlordane, 3541 Solid | ug/Kg | 3.372 | U | 3.372 | U | 149.900 | 3.372 | U | 0<br>0 | %<br>R | 59-121<br>30 | D |
| Toxaphene, 3541 Solid | ug/Kg | 26.973 | U | 26.973 | U | 149.900 | 26.973 | U | 0<br>0 | %<br>R | 31-110<br>30 | D |
| Aroclor-1260, 3541 Solid | ug/Kg | 29.221 | U | 29.221 | U | 149.900 | 29.221 | U | 0<br>0 | %<br>R | 52-131<br>30 | D |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST3132
Batch.....: 148956

Analyst...: bjt

| | | | | | | |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | O5DWLPCBA | 148196-002 | | 05/12/2005 | 1638 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016, 3541 Solid | ug/Kg | 172.870 | | 166.700 | 5.600 U | 104 | % | 52-105 | |
| Aroclor 1260, 3541 Solid | ug/Kg | 197.343 | | 167.000 | 3.300 U | 118 | % | 63-122 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST3132
Batch.....: 148956

Analyst...: bjt

| | | | | | | |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 148196-001 | | 05/12/2005 | 1613 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016, 3541 Solid | ug/Kg | 5.600 | U | | | | | | | |
| Aroclor 1221, 3541 Solid | ug/Kg | 4.600 | U | | | | | | | |
| Aroclor 1232, 3541 Solid | ug/Kg | 4.500 | U | | | | | | | |
| Aroclor 1242, 3541 Solid | ug/Kg | 4.900 | U | | | | | | | |
| Aroclor 1248, 3541 Solid | ug/Kg | 3.600 | U | | | | | | | |
| Aroclor 1254, 3541 Solid | ug/Kg | 3.700 | U | | | | | | | |
| Aroclor 1260, 3541 Solid | ug/Kg | 3.300 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST3132
Batch.....: 148956

Analyst...: bjt

| | | | | | | |
|---|---|---|---|---|---|---|
| MS | Matrix Spike | O5DWLPCBA | 236327-1 | | 05/12/2005 | 1727 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016, 3541 Solid | ug/Kg | 166.213 | | 183.600 | 12.335 U | 91 | % | 52-105 | |
| Aroclor 1260, 3541 Solid | ug/Kg | 217.794 | | 184.000 | 130.898 | 47 | % | 63-122 | * |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST3132
Batch.....: 148956

Analyst...: bjt

| MSD | Matrix Spike Duplicate | O5DWLPCBA | 236327-1 | | 05/12/2005 | 1752 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016, 3541 Solid | ug/Kg | 156.896 | 166.213 | 184.900 | 12.423 | U 85 7 | % R | 52-105 30 | |
| Aroclor 1260, 3541 Solid | ug/Kg | 219.340 | 217.794 | 185.200 | 130.898 | 48 2 | % R | 63-122 30 | * |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL12
Batch.....: 149122

Analyst...: dpk

| LCS | Laboratory Control Sample | OSEWLBLKB | 148037-002 | | 05/12/2005 | 1607 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Phenol, 3541 Low Solid | ug/Kg | 1500.142 | | 1667.000 | 25.600 | U 90 | % | 60-130 | |
| Bis(2-chloroethyl)ether, 3541 Low Soli | ug/Kg | 1487.252 | | 1667.000 | 40.400 | U 89 | % | 50-130 | |
| 1,3-Dichlorobenzene, 3541 Low Solid | ug/Kg | 1299.964 | | 1667.000 | 21.700 | U 78 | % | 60-130 | |
| 1,4-Dichlorobenzene, 3541 Low Solid | ug/Kg | 1313.227 | | 1667.000 | 25.400 | U 79 | % | 60-130 | |
| 1,2-Dichlorobenzene, 3541 Low Solid | ug/Kg | 1322.783 | | 1667.000 | 23.300 | U 79 | % | 60-130 | |
| Benzyl alcohol, 3541 Low Solid | ug/Kg | 1334.723 | | 1667.000 | 116.000 | U 80 | % | 50-130 | |
| 2-Methylphenol (o-cresol), 3541 Low So | ug/Kg | 1393.516 | | 1667.000 | 26.900 | U 84 | % | 60-130 | |
| 2,2-oxybis (1-chloropropane), 3541 Low | ug/Kg | 1398.419 | | 1667.000 | 26.700 | U 84 | % | 30-130 | |
| n-Nitroso di n-propylamine, 3541 Low S | ug/Kg | 1415.326 | | 1667.000 | 28.700 | U 85 | % | 50-130 | |
| Hexachloroethane, 3541 Low Solid | ug/Kg | 1343.427 | | 1667.000 | 27.000 | U 81 | % | 40-130 | |
| 4-Methylphenol (m/p cresol), 3541 Low | ug/Kg | 1531.995 | | 1667.000 | 32.100 | U 92 | % | 60-130 | |
| 2-Chlorophenol, 3541 Low Solid | ug/Kg | 1405.186 | | 1667.000 | 24.900 | U 84 | % | 50-130 | |
| Nitrobenzene, 3541 Low Solid | ug/Kg | 1536.895 | | 1667.000 | 9.400 | U 92 | % | 50-130 | |
| Bis(2-chloroethoxy)methane, 3541 Low S | ug/Kg | 1462.385 | | 1667.000 | 24.800 | U 88 | % | 50-130 | |
| 1,2,4-Trichlorobenzene, 3541 Low Solid | ug/Kg | 1395.976 | | 1667.000 | 24.800 | U 84 | % | 60-130 | |
| Benzoic acid, 3541 Low Solid | ug/Kg | 719.000 | U | 1667.000 | 719.000 | U 19 | % | 10-130 | |
| Isophorone, 3541 Low Solid | ug/Kg | 1432.542 | | 1667.000 | 24.700 | U 86 | % | 50-130 | |
| 2,4-Dimethylphenol, 3541 Low Solid | ug/Kg | 1372.340 | | 1667.000 | 78.600 | U 82 | % | 50-130 | |
| Hexachlorobutadiene, 3541 Low Solid | ug/Kg | 1406.213 | | 1667.000 | 38.200 | U 84 | % | 60-130 | |
| Naphthalene, 3541 Low Solid | ug/Kg | 1402.829 | | 1667.000 | 6.600 | U 84 | % | 55-100 | |
| 2,4-Dichlorophenol, 3541 Low Solid | ug/Kg | 1431.402 | | 1667.000 | 56.000 | U 86 | % | 60-130 | |
| 4-Chloroaniline, 3541 Low Solid | ug/Kg | 1096.419 | | 1667.000 | 72.200 | U 66 | % | 20-130 | |
| 2,4,6-Trichlorophenol, 3541 Low Solid | ug/Kg | 1471.502 | | 1667.000 | 67.700 | U 88 | % | 60-130 | |
| 2,4,5-Trichlorophenol, 3541 Low Solid | ug/Kg | 1459.919 | | 1667.000 | 73.800 | U 88 | % | 60-130 | |
| Hexachlorocyclopentadiene, 3541 Low So | ug/Kg | 419.089 | J | 1667.000 | 114.000 | U 25 | % | 20-130 | |
| 2-Methylnaphthalene, 3541 Low Solid | ug/Kg | 1369.063 | | 1667.000 | 36.800 | U 82 | % | 60-130 | |
| 2-Nitroaniline, 3541 Low Solid | ug/Kg | 1698.493 | | 1667.000 | 33.700 | U 102 | % | 50-130 | |
| 2-Chloronaphthalene, 3541 Low Solid | ug/Kg | 1492.665 | | 1667.000 | 21.700 | U 90 | % | 60-130 | |
| 4-Chloro-3-methylphenol, 3541 Low Soli | ug/Kg | 1408.846 | | 1667.000 | 54.500 | U 85 | % | 60-130 | |
| 2,6-Dinitrotoluene, 3541 Low Solid | ug/Kg | 1548.081 | | 1667.000 | 25.100 | U 93 | % | 60-130 | |
| 2-Nitrophenol, 3541 Low Solid | ug/Kg | 1544.708 | | 1667.000 | 74.900 | U 93 | % | 60-130 | |
| 3-Nitroaniline, 3541 Low Solid | ug/Kg | 1523.375 | | 1667.000 | 43.300 | U 91 | % | 30-130 | |
| Dimethyl phthalate, 3541 Low Solid | ug/Kg | 1510.875 | | 1667.000 | 25.200 | U 91 | % | 60-130 | |
| 2,4-Dinitrophenol, 3541 Low Solid | ug/Kg | 750.229 | | 1667.000 | 266.000 | U 45 | % | 10-130 | |
| Acenaphthylene, 3541 Low Solid | ug/Kg | 1479.459 | | 1667.000 | 6.500 | U 89 | % | 59-104 | |
| 2,4-Dinitrotoluene, 3541 Low Solid | ug/Kg | 1637.357 | | 1667.000 | 37.600 | U 98 | % | 60-130 | |
| Acenaphthene, 3541 Low Solid | ug/Kg | 1442.776 | | 1667.000 | 6.400 | U 87 | % | 64-100 | |
| Dibenzofuran, 3541 Low Solid | ug/Kg | 1484.782 | | 1667.000 | 25.500 | U 89 | % | 60-130 | |
| 4-Nitrophenol, 3541 Low Solid | ug/Kg | 1356.500 | | 1667.000 | 186.000 | U 81 | % | 30-130 | |
| Fluorene, 3541 Low Solid | ug/Kg | 1457.179 | | 1667.000 | 6.300 | U 87 | % | 61-105 | |
| 4-Nitroaniline, 3541 Low Solid | ug/Kg | 1530.935 | | 1667.000 | 47.200 | U 92 | % | 50-130 | |
| 4-Bromophenyl phenyl ether, 3541 Low S | ug/Kg | 1543.461 | | 1667.000 | 19.300 | U 93 | % | 50-130 | |
| Hexachlorobenzene, 3541 Low Solid | ug/Kg | 1561.044 | | 1667.000 | 19.100 | U 94 | % | 60-130 | |
| Pentachlorophenol, 3541 Low Solid | ug/Kg | 1403.049 | | 1667.000 | 35.600 | U 84 | % | 50-130 | |
| 4-Chlorophenyl phenyl ether, 3541 Low | ug/Kg | 1479.215 | | 1667.000 | 33.800 | U 89 | % | 60-130 | |
| Phenanthrene, 3541 Low Solid | ug/Kg | 994.563 | | 1667.000 | 184.000 | U 60 | % | 20-130 | |
| 4-Nitrodiphenylamine, 3541 Low Solid | ug/Kg | 1602.771 | | 1667.000 | 17.000 | U 96 | % | 60-130 | |
| 4,6-Dinitro-2-methylphenol, 3541 Low S | ug/Kg | 1228.978 | | 1667.000 | 96.100 | U 74 | % | 10-130 | |
| Anthracene, 3541 Low Solid | ug/Kg | 1483.338 | | 1667.000 | 5.300 | U 89 | % | 63-113 | |
| Anthracene, 3541 Low Solid | ug/Kg | 1521.561 | | 1667.000 | 7.100 | U 91 | % | 53-108 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | O5EWLBLKB | 148037-002 | | 05/12/2005 | 1607 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Carbazole, 3541 Low Solid | ug/Kg | 1680.427 | | 1667.000 | 19.400 | U 101 | % | 60-130 | |
| Di-n-butyl phthalate, 3541 Low Solid | ug/Kg | 1641.457 | | 1667.000 | 19.500 | U 98 | % | 60-130 | |
| Benzidine, 3541 Low Solid | ug/Kg | 672.577 | | 1667.000 | 145.000 | U 40 | % | 10-130 | |
| Fluoranthene, 3541 Low Solid | ug/Kg | 1606.031 | | 1667.000 | 6.200 | U 96 | % | 56-112 | |
| Pyrene, 3541 Low Solid | ug/Kg | 1664.687 | | 1667.000 | 7.500 | U 100 | % | 62-114 | |
| Butyl benzyl phthalate, 3541 Low Solid | ug/Kg | 1750.999 | | 1667.000 | 24.100 | U 105 | % | 50-130 | |
| Benzo(a)anthracene, 3541 Low Solid | ug/Kg | 1688.790 | | 1667.000 | 6.500 | U 101 | % | 56-130 | |
| Chrysene, 3541 Low Solid | ug/Kg | 1639.974 | | 1667.000 | 6.700 | U 98 | % | 52-113 | |
| 3,3 Dichlorobenzidine, 3541 Low Solid | ug/Kg | 1504.865 | | 1667.000 | 33.400 | U 90 | % | 30-130 | |
| Bis(2 ethylhexyl)phthalate, 3541 Low S | ug/Kg | 1656.293 | | 1667.000 | 70.700 | U 99 | % | 50-130 | |
| Di n octyl phthalate, 3541 Low Solid | ug/Kg | 1611.221 | | 1667.000 | 29.600 | U 97 | % | 40-130 | |
| Benzo(b fluoranthene, 3541 Low Solid | ug/Kg | 1643.457 | | 1667.000 | 8.200 | U 99 | % | 37-150 | |
| Benzo k fluoranthene, 3541 Low Solid | ug/Kg | 1514.605 | | 1667.000 | 9.200 | U 91 | % | 37-120 | |
| Benzo a pyrene, 3541 Low Solid | ug/Kg | 1603.084 | | 1667.000 | 3.800 | U 96 | % | 55-117 | |
| Indeno 1 2 3 cd pyrene, 3541 Low Solid | ug/Kg | 1625.137 | | 1667.000 | 6.600 | U 98 | % | 57-118 | |
| Dibenzo a h anthracene, 3541 Low Solid | ug/Kg | 1681.750 | | 1667.000 | 6.700 | U 101 | % | 54-121 | |
| Benzo ghi perylene, 3541 Low Solid | ug/Kg | 1666.493 | | 1667.000 | 8.900 | U 100 | % | 56 128 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL12
Batch.....: 149122

Analyst...: dpk

| MB | Method Blank | | 148037-001 | | 05/12/2005 | 1455 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Phenol, 3541 Low Solid | ug/Kg | 25.600 | U | | | | | | | |
| Bis(2-chloroethyl)ether, 3541 Low Soli | ug/Kg | 40.400 | U | | | | | | | |
| 1,3 Dichlorobenzene, 3541 Low Solid | ug/Kg | 21.700 | U | | | | | | | |
| 1,4-Dichlorobenzene, 3541 Low Solid | ug/Kg | 25.400 | U | | | | | | | |
| 1,2-Dichlorobenzene, 3541 Low Solid | ug/Kg | 23.300 | U | | | | | | | |
| Benzyl alcohol, 3541 Low Solid | ug/Kg | 116.000 | U | | | | | | | |
| 2 Methylphenol (o-cresol), 3541 Low So | ug/Kg | 26.900 | U | | | | | | | |
| 2,2 oxybis (1-chloropropane), 3541 Low | ug/Kg | 26.700 | U | | | | | | | |
| n Nitroso di n propylamine, 3541 Low S | ug/Kg | 28.700 | U | | | | | | | |
| Hexachloroethane, 3541 Low Solid | ug/Kg | 27.000 | U | | | | | | | |
| 4 Methylphenol (m/p cresol), 3541 Low | ug/Kg | 32.100 | U | | | | | | | |
| 2 Chlorophenol, 3541 Low Solid | ug/Kg | 24.900 | U | | | | | | | |
| Nitrobenzene, 3541 Low Solid | ug/Kg | 9.400 | U | | | | | | | |
| Bis(2 chloroethoxy)methane, 3541 Low S | ug/Kg | 24.800 | U | | | | | | | |
| 1,2,4 Trichlorobenzene, 3541 Low Solid | ug/Kg | 24.800 | U | | | | | | | |
| Benzoic acid, 3541 Low Solid | ug/Kg | 719.000 | U | | | | | | | |
| Isophorone, 3541 Low Solid | ug/Kg | 24.700 | U | | | | | | | |
| 2,4 Dimethylphenol, 3541 Low Solid | ug/Kg | 78.600 | U | | | | | | | |
| Hexachlorobutadiene, 3541 Low Solid | ug/Kg | 38.200 | U | | | | | | | |
| Naphthalene, 3541 Low Solid | ug/Kg | 6.600 | U | | | | | | | |
| 2,4 Dichlorophenol, 3541 Low Solid | ug/Kg | 56.000 | U | | | | | | | |
| 4 Chloroaniline, 3541 Low Solid | ug/Kg | 72.200 | U | | | | | | | |
| 2,4,6 Trichlorophenol, 3541 Low Solid | ug/Kg | 67.700 | U | | | | | | | |
| 2,4,5 Trichlorophenol, 3541 Low Solid | ug/Kg | 73.800 | U | | | | | | | |
| Hexachlorocyclopentadiene, 3541 Low So | ug/Kg | 114.000 | U | | | | | | | |
| 2 Methylnaphthalene, 3541 Low Solid | ug/Kg | 36.800 | U | | | | | | | |
| 2 Nitroaniline, 3541 Low Solid | ug/Kg | 33.700 | U | | | | | | | |
| 2 Chloronaphthalene, 3541 Low Solid | ug/Kg | 21.700 | U | | | | | | | |
| 4 Chloro 3 methylphenol, 3541 Low Soli | ug/Kg | 54.500 | U | | | | | | | |
| 2,6 Dinitrotoluene, 3541 Low Solid | ug/Kg | 25.100 | U | | | | | | | |
| 2 Nitrophenol, 3541 Low Solid | ug/Kg | 74.900 | U | | | | | | | |
| 3 Nitroaniline, 3541 Low Solid | ug/Kg | 43.300 | U | | | | | | | |
| Dimethyl phthalate, 3541 Low Solid | ug/Kg | 25.200 | U | | | | | | | |
| 2,4 Dinitrophenol, 3541 Low Solid | ug/Kg | 266.000 | U | | | | | | | |
| Acenaphthylene, 3541 Low Solid | ug/Kg | 6.500 | U | | | | | | | |
| 2,4 Dinitrotoluene, 3541 Low Solid | ug/Kg | 37.600 | U | | | | | | | |
| Acenaphthene, 3541 Low Solid | ug/Kg | 6.400 | U | | | | | | | |
| Dibenzofuran, 3541 Low Solid | ug/Kg | 23.500 | U | | | | | | | |
| 4 Nitrophenol, 3541 Low Solid | ug/Kg | 189.000 | U | | | | | | | |
| Fluorene, 3541 Low Solid | ug/Kg | 6.300 | U | | | | | | | |
| 4 Nitroaniline, 3541 Low Solid | ug/Kg | 47.200 | U | | | | | | | |
| 4 Bromophenyl phenyl ether, 3541 Low S | ug/Kg | 19.300 | U | | | | | | | |
| Hexachlorobenzene, 3541 Low Solid | ug/Kg | 19.100 | U | | | | | | | |
| Diethyl phthalate, 3541 Low Solid | ug/Kg | 35.600 | U | | | | | | | |
| 4 Chlorophenyl phenyl ether, 3541 Low | ug/Kg | 33.800 | U | | | | | | | |
| Pentachlorophenol, 3541 Low Solid | ug/Kg | 184.000 | U | | | | | | | |
| 4 Nitroaniline, 3541 Low Solid | ug/Kg | 17.000 | U | | | | | | | |
| 4,6 Dinitro 2 methylphenol, 3541 Low S | ug/Kg | 96.100 | U | | | | | | | |
| Phenanthrene, 3541 Low Solid | ug/Kg | 5.300 | U | | | | | | | |
| Anthracene, 3541 Low Solid | ug/Kg | 7.100 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 236327 Report Date.: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 148037-001 | | 05/12/2005 | 1455 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Carbazole, 3541 Low Solid | ug/Kg | 19.400 | U | | | | | | | |
| Di-n-butyl phthalate, 3541 Low Solid | ug/Kg | 19.500 | U | | | | | | | |
| Benzidine, 3541 Low Solid | ug/Kg | 145.000 | U | | | | | | | |
| Fluoranthene, 3541 Low Solid | ug/Kg | 6.200 | U | | | | | | | |
| Pyrene, 3541 Low Solid | ug/Kg | 7.500 | U | | | | | | | |
| Butyl benzyl phthalate, 3541 Low Solid | ug/Kg | 24.100 | U | | | | | | | |
| Benzo(a)anthracene, 3541 Low Solid | ug/Kg | 6.500 | U | | | | | | | |
| Chrysene, 3541 Low Solid | ug/Kg | 6.700 | U | | | | | | | |
| 3,3-Dichlorobenzidine, 3541 Low Solid | ug/Kg | 33.400 | U | | | | | | | |
| Bis(2-ethylhexyl)phthalate, 3541 Low S | ug/Kg | 70.700 | U | | | | | | | |
| Di-n-octyl phthalate, 3541 Low Solid | ug/Kg | 29.600 | U | | | | | | | |
| Benzo(b)fluoranthene, 3541 Low Solid | ug/Kg | 8.200 | U | | | | | | | |
| Benzo(k)fluoranthene, 3541 Low Solid | ug/Kg | 9.200 | U | | | | | | | |
| Benzo(a)pyrene, 3541 Low Solid | ug/Kg | 3.800 | U | | | | | | | |
| Indeno(1,2,3-cd)pyrene, 3541 Low Solid | ug/Kg | 6.600 | U | | | | | | | |
| Dibenzo(a,h)anthracene, 3541 Low Solid | ug/Kg | 6.700 | U | | | | | | | |
| Benzo(ghi)perylene, 3541 Low Solid | ug/Kg | 8.900 | U | | | | | | | |

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8270C | Equipment Code....: GCL12 | Analyst...: dpk
Method Description.: Semivolatile Organics | Batch.....: 149122

| MS | Matrix Spike | O5BWLBLKB | 236327-1 | 5.00000 | 05/12/2005 1940 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Phenol, 3541 Low Solid | ug/Kg | 2138.467 | | | 18750.000 | 365.378 | J | 57 | % | 60-130 | * |
| Bis(2-chloroethyl)ether, 3541 Low Soli | ug/Kg | 1657.928 | J | | 18750.000 | 454.500 | U | 44 | % | 50-130 | * |
| 1,3-Dichlorobenzene, 3541 Low Solid | ug/Kg | 1214.960 | J | | 18750.000 | 244.125 | U | 32 | % | 60-130 | * |
| 1,4-Dichlorobenzene, 3541 Low Solid | ug/Kg | 1296.476 | J | | 18750.000 | 285.750 | U | 35 | % | 60-130 | * |
| 1,2-Dichlorobenzene, 3541 Low Solid | ug/Kg | 1395.075 | J | | 18750.000 | 262.125 | U | 37 | % | 60-130 | * |
| Benzyl alcohol, 3541 Low Solid | ug/Kg | 1535.354 | J | | 18750.000 | 1305.000 | U | 41 | % | 50-130 | * |
| 2 Methylphenol (o-cresol), 3541 Low So | ug/Kg | 1969.663 | | | 18750.000 | 302.625 | U | 53 | % | 60-130 | * |
| 2,2-oxybis-(1-chloropropane), 3541 Low | ug/Kg | 1511.873 | J | | 18750.000 | 300.375 | U | 40 | % | 30-130 | |
| n Nitroso di-n propylamine, 3541 Low S | ug/Kg | 1618.280 | J | | 18750.000 | 322.875 | U | 43 | % | 50-130 | * |
| Hexachloroethane, 3541 Low Solid | ug/Kg | 1310.450 | J | | 18750.000 | 303.750 | U | 35 | % | 40-130 | * |
| 4 Methylphenol (m/p-cresol), 3541 Low | ug/Kg | 2432.489 | | | 18750.000 | 513.285 | J | 51 | % | 60-130 | * |
| 2 Chlorophenol, 3541 Low Solid | ug/Kg | 1765.509 | J | | 18750.000 | 280.125 | U | 47 | % | 50-130 | * |
| Nitrobenzene, 3541 Low Solid | ug/Kg | 1695.941 | | | 18750.000 | 105.750 | U | 45 | % | 50-130 | * |
| Bis(2-chloroethoxy)methane, 3541 Low S | ug/Kg | 1813.531 | J | | 18750.000 | 279.000 | U | 48 | % | 50-130 | * |
| 1,2,4 Trichlorobenzene, 3541 Low Solid | ug/Kg | 1702.973 | J | | 18750.000 | 279.000 | U | 45 | % | 60-130 | * |
| Benzoic acid, 3541 Low Solid | ug/Kg | 8088.750 | U | | 18750.000 | 8088.750 | U | 85 | % | 10-130 | |
| Isophorone, 3541 Low Solid | ug/Kg | 1668.448 | J | | 18750.000 | 277.875 | U | 44 | % | 50-130 | * |
| 2,4 Dimethylphenol, 3541 Low Solid | ug/Kg | 2051.588 | J | | 18750.000 | 884.250 | U | 55 | % | 50-130 | |
| Hexachlorobutadiene, 3541 Low Solid | ug/Kg | 1627.232 | J | | 18750.000 | 429.750 | U | 43 | % | 60-130 | * |
| Naphthalene, 3541 Low Solid | ug/Kg | 30329.952 | | | 18750.000 | 33339.042 | | -80 | % | 55-100 | * |
| 2,4 Dichlorophenol, 3541 Low Solid | ug/Kg | 1888.263 | J | | 18750.000 | 630.000 | U | 50 | % | 60-130 | * |
| 4 Chloroaniline, 3541 Low Solid | ug/Kg | 812.250 | U | | 18750.000 | 812.250 | U | 0 | % | 20-130 | * |
| 2,4,6 Trichlorophenol, 3541 Low Solid | ug/Kg | 1986.599 | J | | 18750.000 | 761.625 | U | 53 | % | 60-130 | * |
| 2,4,5 Trichlorophenol, 3541 Low Solid | ug/Kg | 2134.364 | J | | 18750.000 | 830.250 | U | 57 | % | 60-130 | * |
| Hexachlorocyclopentadiene, 3541 Low So | ug/Kg | 1282.500 | U | | 18750.000 | 1282.500 | U | 0 | % | 20-130 | * |
| 2 Methylnaphthalene, 3541 Low Solid | ug/Kg | 8172.464 | | | 18750.000 | 6846.467 | | 35 | % | 60-130 | * |
| 2 Nitroaniline, 3541 Low Solid | ug/Kg | 2190.112 | | | 18750.000 | 379.125 | U | 58 | % | 50-130 | |
| 2 Chloronaphthalene, 3541 Low Solid | ug/Kg | 2110.673 | | | 18750.000 | 244.125 | U | 56 | % | 60-130 | * |
| 4 Chloro 3 methylphenol, 3541 Low Soli | ug/Kg | 2016.628 | J | | 18750.000 | 613.125 | U | 54 | % | 60-130 | * |
| 2,6 Dinitrotoluene, 3541 Low Solid | ug/Kg | 2073.954 | | | 18750.000 | 282.375 | U | 55 | % | 60-130 | * |
| 2 Nitrophenol, 3541 Low Solid | ug/Kg | 1871.173 | J | | 18750.000 | 842.625 | U | 50 | % | 60-130 | * |
| 3 Nitroaniline, 3541 Low Solid | ug/Kg | 1753.830 | J | | 18750.000 | 487.125 | U | 47 | % | 30-130 | |
| Dimethylphthalate, 3541 Low Solid | ug/Kg | 1932.378 | | | 18750.000 | 283.500 | U | 52 | % | 60-130 | * |
| 2,4 Dinitrophenol, 3541 Low Solid | ug/Kg | 2995.939 | J | | 18750.000 | 2992.500 | U | 80 | % | 10-130 | |
| Acenaphthylene, 3541 Low Solid | ug/Kg | 10481.812 | | | 18750.000 | 7758.333 | | 73 | % | 59-104 | |
| 2,4 Dinitrotoluene, 3541 Low Solid | ug/Kg | 2238.067 | | | 18750.000 | 423.000 | U | 60 | % | 60-130 | |
| Acenaphthene, 3541 Low Solid | ug/Kg | 3392.850 | | | 18750.000 | 950.192 | | 65 | % | 64-100 | |
| Dibenzofuran, 3541 Low Solid | ug/Kg | 6535.803 | | | 18750.000 | 4496.630 | | 54 | % | 60-130 | * |
| 4 Nitrophenol, 3541 Low Solid | ug/Kg | 2092.500 | U | | 18750.000 | 2092.500 | U | 49 | % | 30-130 | |
| Fluorene, 3541 Low Solid | ug/Kg | 4017.602 | | | 18750.000 | 1722.337 | | 61 | % | 61-105 | |
| 4 Nitroaniline, 3541 Low Solid | ug/Kg | 1469.645 | J | | 18750.000 | 531.000 | U | 39 | % | 50-130 | * |
| 4 Bromophenyl phenyl ether, 3541 Low S | ug/Kg | 2194.907 | | | 18750.000 | 217.125 | U | 59 | % | 50-130 | |
| Hexachlorobenzene, 3541 Low Solid | ug/Kg | 2021.624 | | | 18750.000 | 214.875 | U | 54 | % | 60-130 | * |
| Diethylphthalate, 3541 Low Solid | ug/Kg | 1851.495 | J | | 18750.000 | 400.500 | U | 49 | % | 50-130 | * |
| 4 Chlorophenyl phenyl ether, 3541 Low | ug/Kg | 2030.114 | | | 18750.000 | 380.250 | U | 54 | % | 60-130 | * |
| Pentachlorophenol, 3541 Low Solid | ug/Kg | 2070.000 | U | | 18750.000 | 2070.000 | U | 38 | % | 20-130 | |
| n Nitrosodiphenylamine, 3541 Low Solid | ug/Kg | 2760.466 | | | 18750.000 | 191.250 | U | 74 | % | 60-130 | |
| 4,6 Dinitro 2 methylphenol, 3541 Low S | ug/Kg | 1452.165 | J | | 18750.000 | 1081.125 | U | 39 | % | 10-130 | |
| Phenanthrene, 3541 Low Solid | ug/Kg | 20468.624 | | | 18750.000 | 21974.870 | | -40 | % | 63-113 | * |
| Anthracene, 3541 Low Solid | ug/Kg | 9224.980 | | | 18750.000 | 6915.444 | | 62 | % | 53-108 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MS | Matrix Spike | OSEWLBLKB | 236327-1 | 5.00000 | 05/12/2005 | 1940 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Carbazole, 3541 Low Solid | ug/Kg | 4938.821 | | 18750.000 | 2854.659 | 56 | % | 60-130 | * |
| Di-n-butyl phthalate, 3541 Low Solid | ug/Kg | 2283.276 | | 18750.000 | 219.375 | U 61 | % | 60-130 | |
| Benzidine, 3541 Low Solid | ug/Kg | 1631.250 | U | 18750.000 | 1631.250 | U 0 | % | 10-130 | * |
| Fluoranthene, 3541 Low Solid | ug/Kg | 42502.316 | | 18750.000 | 51381.947 | -237 | % | 56-112 | * |
| Pyrene, 3541 Low Solid | ug/Kg | 51201.469 | | 18750.000 | 52151.675 | -25 | % | 62-114 | * |
| Butyl benzyl phthalate, 3541 Low Solid | ug/Kg | 3127.394 | | 18750.000 | 271.125 | U 83 | % | 50-130 | |
| Benzo(a)anthracene, 3541 Low Solid | ug/Kg | 44953.125 | | 18750.000 | 41306.360 | 97 | % | 56-130 | |
| Chrysene, 3541 Low Solid | ug/Kg | 51011.329 | | 18750.000 | 45907.165 | 136 | % | 52-113 | * |
| 3,3-Dichlorobenzidine, 3541 Low Solid | ug/Kg | 650.490 | J | 18750.000 | 375.750 | U 17 | % | 30-130 | * |
| Bis(2 ethylhexyl)phthalate, 3541 Low S | ug/Kg | 2802.780 | | 18750.000 | 795.375 | U 75 | % | 50-130 | |
| Di n octyl phthalate, 3541 Low Solid | ug/Kg | 2969.957 | | 18750.000 | 333.000 | U 79 | % | 40-130 | |
| Benzo(b)fluoranthene, 3541 Low Solid | ug/Kg | 61314.103 | | 18750.000 | 66887.853 | -149 | % | 37-150 | * |
| Benzo(k)fluoranthene, 3541 Low Solid | ug/Kg | 19182.202 | | 18750.000 | 21885.604 | -72 | % | 37-120 | * |
| Benzo(a)pyrene, 3541 Low Solid | ug/Kg | 42234.546 | | 18750.000 | 44622.168 | -64 | % | 55-117 | * |
| Indeno(1,2,3 cd)pyrene, 3541 Low Solid | ug/Kg | 34208.643 | | 18750.000 | 33166.600 | 28 | % | 57-118 | * |
| Dibenzo(a,h)anthracene, 3541 Low Solid | ug/Kg | 14801.011 | | 18750.000 | 12973.239 | 49 | % | 54-121 | * |
| Benzo(ghi)perylene, 3541 Low Solid | ug/Kg | 39904.496 | | 18750.000 | 40424.909 | -14 | % | 56-128 | * |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MSD | Matrix Spike Duplicate | O5EWLBLKB | 236327-1 | 5.00000 | 05/12/2005 | 2004 |

Test Method.....: 8270C | Equipment Code....: GCL12 | Analyst...: dpk
Method Description.: Semivolatile Organics | Batch.....: 149122

| Parameter/Test Description | Units | QC Result | | QC Result | | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phenol, 3541 Low Solid | ug/Kg | 2163.546 | | 2138.467 | | 18580.000 | 365.378 | J | 582 | % | 60-130 | * |
| | | | | | | | | | | R | 30 | |
| Bis(2-chloroethyl)ether, 3541 Low Soli | ug/Kg | 1770.196 | J | 1657.928 | J | 18580.000 | 450.405 | U | 489 | % | 50-130 | * |
| | | | | | | | | | | R | 30 | |
| 1,3 Dichlorobenzene, 3541 Low Solid | ug/Kg | 1375.074 | J | 1214.960 | J | 18580.000 | 241.926 | U | 37 | % | 60-130 | * |
| | | | | | | | | | 14 | R | 30 | |
| 1,4 Dichlorobenzene, 3541 Low Solid | ug/Kg | 1418.009 | J | 1296.476 | J | 18580.000 | 283.176 | U | 38 | % | 60-130 | * |
| | | | | | | | | | 8 | R | 30 | |
| 1,2 Dichlorobenzene, 3541 Low Solid | ug/Kg | 1486.594 | J | 1395.075 | J | 18580.000 | 259.764 | U | 40 | % | 60-130 | * |
| | | | | | | | | | 8 | R | 30 | |
| Benzyl alcohol, 3541 Low Solid | ug/Kg | 1677.888 | J | 1535.354 | J | 18580.000 | 1293.243 | U | 45 | % | 50-130 | * |
| | | | | | | | | | 9 | R | 30 | |
| 2-Methylphenol (o-cresol), 3541 Low So | ug/Kg | 1991.421 | | 1969.663 | | 18580.000 | 299.899 | U | 54 | % | 60-130 | * |
| | | | | | | | | | 2 | R | 30 | |
| 2,2'-oxybis (1-chloropropane), 3541 Low | ug/Kg | 1697.353 | J | 1511.873 | J | 18580.000 | 297.669 | U | 46 | % | 30-130 | |
| | | | | | | | | | 14 | R | 30 | |
| n-Nitroso-di-n-propylamine, 3541 Low S | ug/Kg | 1788.197 | J | 1618.280 | J | 18580.000 | 319.966 | U | 48 | % | 50-130 | * |
| | | | | | | | | | 11 | R | 30 | |
| Hexachloroethane, 3541 Low Solid | ug/Kg | 1342.089 | J | 1310.450 | J | 18580.000 | 301.014 | U | 36 | % | 40-130 | * |
| | | | | | | | | | 3 | R | 30 | |
| 4-Methylphenol (m,p-cresol), 3541 Low | ug/Kg | 2502.708 | | 2432.489 | | 18580.000 | 513.285 | J | 54 | % | 60-130 | * |
| | | | | | | | | | 6 | R | 30 | |
| 2-Chloronaphthalene, 3541 Low Solid | ug/Kg | 1855.995 | J | 1765.509 | J | 18580.000 | 277.601 | U | 50 | % | 50-130 | |
| | | | | | | | | | 6 | R | 30 | |
| Nitrobenzene, 3541 Low Solid | ug/Kg | 1922.174 | | 1695.941 | | 18580.000 | 104.797 | U | 52 | % | 50-130 | |
| | | | | | | | | | 14 | R | 30 | |
| Bis(2-chloroethoxy)methane, 3541 Low S | ug/Kg | 1968.378 | | 1813.531 | J | 18580.000 | 276.486 | U | 53 | % | 50-130 | |
| | | | | | | | | | 10 | R | 30 | |
| 1,2,4-Trichlorobenzene, 3541 Low Solid | ug/Kg | 1809.412 | J | 1702.973 | J | 18580.000 | 276.486 | U | 49 | % | 60-130 | * |
| | | | | | | | | | 9 | R | 30 | |
| Benzoic acid, 3541 Low Solid | ug/Kg | 8015.878 | U | 8015.878 | U | 18580.000 | 8015.878 | U | 105 | % | 10-130 | |
| | | | | | | | | | 21 | R | 30 | |
| Naphthalene, 3541 Low Solid | ug/Kg | 1780.480 | J | 1668.448 | J | 18580.000 | 275.372 | U | 48 | % | 50-130 | * |
| | | | | | | | | | 9 | R | 30 | |
| 2-4-Dimethylphenol, 3541 Low Solid | ug/Kg | 2120.050 | J | 2051.588 | J | 18580.000 | 876.284 | U | 57 | % | 50-130 | |
| | | | | | | | | | 4 | R | 30 | |
| Hexachlorobutadiene, 3541 Low Solid | ug/Kg | 1697.999 | J | 1627.232 | J | 18580.000 | 425.878 | U | 46 | % | 60-130 | * |
| | | | | | | | | | 7 | R | 30 | |
| Naphthalene-d8, 3541 Low Solid | ug/Kg | 33139.071 | | 30329.952 | | 18580.000 | 33339.042 | | 5 | % | 55-100 | * |
| | | | | | | | | | 0 | R | 30 | |
| 2-Methylnaphthalene, 3541 Low Solid | ug/Kg | 1918.592 | J | 1888.263 | J | 18580.000 | 624.324 | U | 52 | % | 60-130 | * |
| | | | | | | | | | 4 | R | 30 | |
| 4-Chloroaniline, 3541 Low Solid | ug/Kg | 804.932 | U | 804.932 | U | 18580.000 | 804.932 | U | 0 | % | 20-130 | * |
| | | | | | | | | | 0 | R | 30 | |
| 2,4,6-Trichlorophenol, 3541 Low Solid | ug/Kg | 2036.436 | J | 1986.599 | J | 18580.000 | 754.764 | U | 55 | % | 60-130 | * |
| | | | | | | | | | 4 | R | 30 | |
| 2,4,5-Trichlorophenol, 3541 Low Solid | ug/Kg | 2258.325 | J | 2134.364 | J | 18580.000 | 822.770 | U | 61 | % | 60-130 | |
| | | | | | | | | | 7 | R | 30 | |
| Hexachlorocyclopentadiene, 3541 Low So | ug/Kg | 1270.946 | U | 1270.946 | U | 18580.000 | 1270.946 | U | 0 | % | 20-130 | * |
| | | | | | | | | | 0 | R | 30 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MSD | Matrix Spike Duplicate | O5EWLBLKB | 236327-1 | 5.00000 | 05/12/2005 | 2004 |

| Parameter/Test Description | Units | QC Result | | QC Result | | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-Methylnaphthalene, 3541 Low Solid | ug/Kg | 7984.371 | | 8172.464 | | 18580.000 | 6846.467 | | 31 12 | % R | 60-130 30 | * |
| 2-Nitroaniline, 3541 Low Solid | ug/Kg | 2244.898 | | 2190.112 | | 18580.000 | 375.709 | U | 60 3 | % R | 50-130 30 | |
| 2-Chloronaphthalene, 3541 Low Solid | ug/Kg | 2159.136 | | 2110.673 | | 18580.000 | 241.926 | U | 58 4 | % R | 60-130 30 | * |
| 4-Chloro-3-methylphenol, 3541 Low Soli | ug/Kg | 1966.327 | J | 2016.628 | J | 18580.000 | 607.601 | U | 53 2 | % R | 60-130 30 | * |
| 2,6-Dinitrotoluene, 3541 Low Solid | ug/Kg | 2309.594 | | 2073.954 | | 18580.000 | 279.831 | U | 62 12 | % R | 60-130 30 | |
| 2-Nitrophenol, 3541 Low Solid | ug/Kg | 2018.012 | J | 1871.173 | J | 18580.000 | 835.034 | U | 54 8 | % R | 60-130 30 | * |
| 3-Nitroaniline, 3541 Low Solid | ug/Kg | 1833.915 | J | 1753.830 | J | 18580.000 | 482.736 | U | 49 4 | % R | 30-130 30 | |
| Dimethyl phthalate, 3541 Low Solid | ug/Kg | 1928.687 | | 1932.378 | | 18580.000 | 280.946 | U | 52 0 | % R | 60-130 30 | * |
| 2,4-Dinitrophenol, 3541 Low Solid | ug/Kg | 2965.541 | U | 2995.939 | J | 18580.000 | 2965.541 | U | 79 1 | % R | 10-130 30 | |
| Acenaphthylene, 3541 Low Solid | ug/Kg | 11516.872 | | 10481.812 | | 18580.000 | 7758.333 | | 101 32 | % R | 59-104 30 | * |
| 2,4-Dinitrotoluene, 3541 Low Solid | ug/Kg | 2169.513 | | 2238.067 | | 18580.000 | 419.189 | U | 58 3 | % R | 60-130 30 | * |
| Acenaphthene, 3541 Low Solid | ug/Kg | 3135.543 | | 3392.850 | | 18580.000 | 950.192 | | 59 10 | % R | 64-100 30 | * |
| Diethylphthalate, 3541 Low Solid | ug/Kg | 6579.552 | | 6535.803 | | 18580.000 | 4496.630 | | 56 4 | % R | 60-130 30 | * |
| 4-Nitrophenol, 3541 Low Solid | ug/Kg | 2073.649 | U | 2073.649 | U | 18580.000 | 2073.649 | U | 51 4 | % R | 30-130 30 | |
| Fluorene, 3541 Low Solid | ug/Kg | 4275.947 | | 4017.602 | | 18580.000 | 1722.337 | | 69 12 | % R | 61-105 30 | |
| 4-Nitroaniline, 3541 Low Solid | ug/Kg | 1261.034 | J | 1469.848 | J | 18580.000 | 526.216 | U | 34 14 | % R | 50-130 30 | * |
| 4-Bromophenyl-phenyl-ether, 3541 Low S | ug/Kg | 2151.022 | | 2194.927 | | 18580.000 | 215.169 | U | 58 2 | % R | 50-130 30 | |
| Hexachlorobenzene, 3541 Low Solid | ug/Kg | 2039.419 | | 2021.604 | | 18580.000 | 212.939 | U | 55 2 | % R | 60-130 30 | * |
| Dimethylsulfoxide, 3541 Low Solid | ug/Kg | 1871.481 | | 1851.495 | J | 18580.000 | 396.892 | U | 50 2 | % R | 50-130 30 | |
| 4-Chlorophenyl-phenyl-ether, 3541 Low | ug/Kg | 2144.426 | | 2031.114 | | 18580.000 | 376.824 | U | 55 2 | % R | 60-130 30 | * |
| Pentachlorophenol, 3541 Low Solid | ug/Kg | 2051.351 | | 2051.351 | U | 18580.000 | 2051.351 | U | 38 0 | % R | 20-130 30 | |
| 4-Nitrosodiphenylamine, 3541 Low Solid | ug/Kg | 2518.031 | | 2781.488 | | 18580.000 | 189.527 | U | 68 8 | % R | 60-130 30 | |
| 4-Chloro-3-methylphenol, 3541 Low S | ug/Kg | 1266.551 | J | 1451.165 | J | 18580.000 | 1071.385 | U | 34 14 | % R | 10-130 30 | |
| Phenanthrene, 3541 Low Solid | ug/Kg | 25416.247 | | 21466.624 | | 18580.000 | 21974.870 | | 103 454 | % R | 63-113 30 | * |
| Anthracene, 3541 Low Solid | ug/Kg | 10104.993 | | 9224.980 | | 18580.000 | 6915.444 | | 86 32 | % R | 53-108 30 | * |
| Fluoranthene, 3541 Low Solid | ug/Kg | 4818.948 | | 4938.821 | | 18580.000 | 2854.659 | | 53 6 | % R | 60-130 30 | * |
| Butylbenzylphthalate, 3541 Low Solid | ug/Kg | 2157.596 | | 2283.276 | | 18580.000 | 217.399 | U | 58 5 | % R | 60-130 30 | * |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MSD | Matrix Spike Duplicate | OSEWLBLKB | 236327-1 | 5.00000 | 05/12/2005 | 2004 |

| Parameter/Test Description | Units | QC Result | | QC Result | | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzidine, 3541 Low Solid | ug/Kg | 1616.554 | U | 1616.554 | U | 18580.000 | 1616.554 | U | 0 | % | 10-130 | * |
| | | | | | | | | | 0 | R | 30 | |
| Fluoranthene, 3541 Low Solid | ug/Kg | 45842.856 | | 42502.316 | | 18580.000 | 51381.947 | | -149 | % | 56-112 | * |
| | | | | | | | | | 0 | R | 30 | |
| Pyrene, 3541 Low Solid | ug/Kg | 48854.536 | | 51201.469 | | 18580.000 | 52151.675 | | -89 | % | 62-114 | * |
| | | | | | | | | | 0 | R | 30 | |
| Butyl benzyl phthalate, 3541 Low Solid | ug/Kg | 2796.924 | | 3127.394 | | 18580.000 | 268.682 | U | 75 | % | 50-130 | |
| | | | | | | | | | 10 | R | 30 | |
| Benzo(a)anthracene, 3541 Low Solid | ug/Kg | 50848.576 | | 44953.125 | | 18580.000 | 41306.360 | | 257 | % | 56-130 | * |
| | | | | | | | | | 90 | R | 30 | * |
| Chrysene, 3541 Low Solid | ug/Kg | 37677.955 | | 51011.329 | | 18580.000 | 45907.165 | | -221 | % | 52-113 | * |
| | | | | | | | | | 0 | R | 30 | |
| 3,3 Dichlorobenzidine, 3541 Low Solid | ug/Kg | 597.465 | J | 650.490 | J | 18580.000 | 372.365 | U | 16 | % | 30-130 | * |
| | | | | | | | | | 6 | R | 30 | |
| Bis 2 ethylhexyl)phthalate, 3541 Low S | ug/Kg | 2441.657 | | 2802.780 | | 18580.000 | 788.209 | U | 66 | % | 50-130 | |
| | | | | | | | | | 13 | R | 30 | |
| Di n octyl phthalate, 3541 Low Solid | ug/Kg | 2296.304 | | 2969.957 | | 18580.000 | 330.000 | U | 62 | % | 40-130 | |
| | | | | | | | | | 24 | R | 30 | |
| Benzo b fluoranthene, 3541 Low Solid | ug/Kg | 52017.060 | | 61314.103 | | 18580.000 | 66887.853 | | -400 | % | 37-150 | * |
| | | | | | | | | | 0 | R | 30 | |
| Benzo k fluoranthene, 3541 Low Solid | ug/Kg | 15739.800 | | 19182.202 | | 18580.000 | 21885.604 | | -165 | % | 37-120 | * |
| | | | | | | | | | 0 | R | 30 | |
| Benzo a pyrene 3541 Low Solid | ug/Kg | 34665.532 | | 42234.546 | | 18580.000 | 44622.168 | | -268 | % | 55-117 | * |
| | | | | | | | | | 0 | R | 30 | |
| Indeno 1 2 3 cd pyrene, 3541 Low Solid | ug/Kg | 32598.411 | | 34208.643 | | 18580.000 | 33166.600 | | -15 | % | 57-118 | * |
| | | | | | | | | | 0 | R | 30 | |
| Dibenzo a h anthracene, 3541 Low Solid | ug/Kg | 18837.343 | | 14801.011 | | 18580.000 | 12973.239 | | 158 | % | 54-121 | * |
| | | | | | | | | | 105 | R | 30 | * |
| Benzo ghi perylene 3541 Low Solid | ug/Kg | 38802.970 | | 39904.496 | | 18580.000 | 40424.909 | | -44 | % | 56-128 | * |
| | | | | | | | | | 0 | R | 30 | |



* ==* REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL9
Batch.....: 148472

Analyst...: jmp

| LCD | Laboratory Control Sample Duplicate | V05E11DSC | 148467-020 | | 05/11/2005 | 1856 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 34.822 | 36.959 | 50.000 | 0.860 | U 70 | % | 39-159 | |
| | | | | | | 6 | R | 20 | |
| Chloromethane, Solid | ug/Kg | 50.566 | 53.060 | 50.000 | 0.720 | U 101 | % | 42-180 | |
| | | | | | | 5 | R | 20 | |
| Vinyl chloride, Solid | ug/Kg | 39.393 | 42.369 | 50.000 | 0.700 | U 79 | % | 49-144 | |
| | | | | | | 7 | R | 20 | |
| Bromomethane, Solid | ug/Kg | 37.327 | 43.574 | 50.000 | 2.700 | U 75 | % | 39-165 | |
| | | | | | | 15 | R | 20 | |
| Chloroethane, Solid | ug/Kg | 44.632 | 48.248 | 50.000 | 3.100 | U 89 | % | 56-145 | |
| | | | | | | 8 | R | 20 | |
| Trichlorofluoromethane, Solid | ug/Kg | 39.043 | 42.833 | 50.000 | 0.950 | U 78 | % | 57-136 | |
| | | | | | | 9 | R | 20 | |
| 1,1 Dichloroethene, Solid | ug/Kg | 34.330 | 36.107 | 50.000 | 1.300 | U 69 | % | 47-141 | |
| | | | | | | 5 | R | 20 | |
| Carbon disulfide, Solid | ug/Kg | 33.793 | 36.189 | 50.000 | 0.690 | U 68 | % | 22-118 | |
| | | | | | | 7 | R | 20 | |
| Acetone, Solid | ug/Kg | 47.268 | 62.388 | 50.000 | 3.200 | U 95 | % | 50-176 | |
| | | | | | | 28 | R | 20 | * |
| Methylene chloride, Solid | ug/Kg | 41.927 | 44.076 | 50.000 | 1.600 | U 84 | % | 67-133 | |
| | | | | | | 5 | R | 20 | |
| trans 1,2 Dichloroethene, Solid | ug/Kg | 37.734 | 39.010 | 50.000 | 0.770 | U 75 | % | 62-138 | |
| | | | | | | 3 | R | 20 | |
| Methyl tert butyl ether (MTBE), Solid | ug/Kg | 43.583 | 46.458 | 50.000 | 0.550 | U 87 | % | 69-155 | |
| | | | | | | 6 | R | 20 | |
| 1,1 Dichloroethane, Solid | ug/Kg | 38.749 | 40.504 | 50.000 | 0.590 | U 77 | % | 65-134 | |
| | | | | | | 4 | R | 20 | |
| 2,2 Dichloropropane, Solid | ug/Kg | 35.234 | 39.436 | 50.000 | 1.400 | U 70 | % | 70-134 | |
| | | | | | | 11 | R | 20 | |
| cis 1,2 Dichloroethene, Solid | ug/Kg | 40.004 | 41.393 | 50.000 | 0.560 | U 80 | % | 74-130 | |
| | | | | | | 3 | R | 20 | |
| 2-Butanone (MEK), Solid | ug/Kg | 41.352 | 46.819 | 50.000 | 2.200 | U 83 | % | 41-166 | |
| | | | | | | 12 | R | 30 | |
| Bromochloromethane, Solid | ug/Kg | 41.746 | 43.781 | 50.000 | 0.750 | U 83 | % | 61-122 | |
| | | | | | | 5 | R | 20 | |
| Chloroform, Solid | ug/Kg | 40.752 | 42.687 | 50.000 | 0.680 | U 82 | % | 73-135 | |
| | | | | | | 5 | R | 20 | |
| 1,1,1 Trichloroethane, Solid | ug/Kg | 37.230 | 38.543 | 50.000 | 0.720 | U 74 | % | 71-137 | |
| | | | | | | 3 | R | 20 | |
| 1,1 Dichloropropene, Solid | ug/Kg | 36.686 | 38.751 | 50.000 | 0.720 | U 73 | % | 68-134 | |
| | | | | | | 5 | R | 20 | |
| Carbon tetrachloride, Solid | ug/Kg | 34.761 | 35.426 | 50.000 | 0.730 | U 70 | % | 67-130 | |
| | | | | | | 2 | R | 20 | |
| Benzene, Solid | ug/Kg | 41.116 | 41.396 | 50.000 | 0.690 | U 82 | % | 72-125 | |
| | | | | | | 1 | R | 20 | |
| 1,2 Dichloroethane, Solid | ug/Kg | 39.616 | 41.981 | 50.000 | 0.550 | U 79 | % | 72-134 | |
| | | | | | | 6 | R | 20 | |
| Trichloroethene, Solid | ug/Kg | 40.594 | 38.716 | 50.000 | 0.660 | U 81 | % | 74-124 | |
| | | | | | | 5 | R | 20 | |
| 1,2 Dichloropropane, Solid | ug/Kg | 41.796 | 43.071 | 50.000 | 0.550 | U 84 | % | 76-124 | |
| | | | | | | 3 | R | 20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V05E11DSC | 148467-020 | | 05/11/2005 | 1856 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dibromomethane, Solid | ug/Kg | 40.195 | 41.816 | 50.000 | 0.800 | U 80<br>4 | %<br>R | 75-122<br>20 | |
| Bromodichloromethane, Solid | ug/Kg | 43.456 | 44.610 | 50.000 | 0.570 | U 87<br>3 | %<br>R | 82-131<br>20 | |
| cis-1,3-Dichloropropene, Solid | ug/Kg | 40.106 | 41.782 | 52.000 | 0.580 | U 77<br>4 | %<br>R | 78-118<br>20 | * |
| 4-Methyl-2-pentanone (MIBK), Solid | ug/Kg | 42.442 | 50.252 | 50.000 | 0.620 | U 85<br>17 | %<br>R | 57-144<br>20 | |
| Toluene, Solid | ug/Kg | 40.698 | 41.122 | 50.000 | 1.700 | U 81<br>1 | %<br>R | 73-121<br>20 | |
| trans-1,3-Dichloropropene, Solid | ug/Kg | 36.352 | 38.588 | 48.000 | 0.600 | U 76<br>6 | %<br>R | 77-127<br>20 | * |
| 1,1,2-Trichloroethane, Solid | ug/Kg | 42.633 | 43.163 | 50.000 | 0.820 | U 85<br>1 | %<br>R | 79-133<br>20 | |
| Tetrachloroethene, Solid | ug/Kg | 37.298 | 36.982 | 50.000 | 0.900 | U 75<br>1 | %<br>R | 69-123<br>20 | |
| 1,3 Dichloropropane, Solid | ug/Kg | 42.432 | 43.206 | 50.000 | 0.610 | U 85<br>2 | %<br>R | 81-123<br>20 | |
| 2 Hexanone, Solid | ug/Kg | 42.057 | 48.914 | 50.000 | 1.200 | U 84<br>15 | %<br>R | 57-148<br>20 | |
| Dibromochloromethane, Solid | ug/Kg | 41.443 | 40.994 | 50.000 | 0.650 | U 83<br>1 | %<br>R | 78-125<br>20 | |
| 1,2 Dibromoethane (EDB), Solid | ug/Kg | 40.949 | 41.548 | 50.000 | 0.640 | U 82<br>1 | %<br>R | 77-123<br>20 | |
| Chlorobenzene, Solid | ug/Kg | 40.508 | 40.756 | 50.000 | 0.560 | U 81<br>1 | %<br>R | 77-115<br>20 | |
| 1,1,1,2 Tetrachloroethane, Solid | ug/Kg | 42.448 | 41.186 | 50.000 | 0.600 | U 85<br>3 | %<br>R | 78-126<br>20 | |
| Ethylbenzene, Solid | ug/Kg | 39.985 | 41.112 | 50.000 | 0.640 | U 80<br>3 | %<br>R | 73-121<br>20 | |
| m,p Xylenes, Solid | ug/Kg | 78.280 | 80.928 | 100.000 | 1.200 | U 78<br>3 | %<br>R | 73-122<br>20 | |
| o Xylene, Solid | ug/Kg | 40.526 | 41.385 | 50.000 | 0.620 | U 81<br>2 | %<br>R | 75-120<br>20 | |
| Styrene, Solid | ug/Kg | 40.646 | 41.360 | 50.000 | 0.620 | U 81<br>2 | %<br>R | 76-124<br>20 | |
| Bromoform, Solid | ug/Kg | 40.364 | 40.628 | 50.000 | 0.740 | U 81<br>1 | %<br>R | 72-132<br>20 | |
| Isopropylbenzene, Solid | ug/Kg | 34.853 | 34.638 | 50.000 | 0.680 | U 70<br>1 | %<br>R | 59-114<br>20 | |
| Bromobenzene, Solid | ug/Kg | 41.048 | 40.794 | 50.000 | 0.450 | U 82<br>1 | %<br>R | 75-118<br>20 | |
| 1,1,2,2 Tetrachloroethane, Solid | ug/Kg | 39.295 | 42.406 | 50.000 | 0.620 | U 79<br>8 | %<br>R | 73-125<br>20 | |
| 1,2,3 Trichloropropane, Solid | ug/Kg | 41.311 | 40.250 | 50.000 | 1.200 | U 83<br>3 | %<br>R | 75-126<br>20 | |
| n-Propylbenzene, Solid | ug/Kg | 37.632 | 37.320 | 50.000 | 0.740 | U 75<br>1 | %<br>R | 66-126<br>20 | |
| 2 Chlorotoluene, Solid | ug/Kg | 39.644 | 40.042 | 50.000 | 0.660 | U 79<br>1 | %<br>R | 68-126<br>20 | |
| 1,3,5 Trimethylbenzene, Solid | ug/Kg | 38.147 | 38.576 | 50.000 | 0.810 | U 76<br>1 | %<br>R | 68-125<br>20 | |
| 4 Chlorotoluene, Solid | ug/Kg | 38.542 | 39.304 | 50.000 | 0.690 | U 77<br>2 | %<br>R | 70-123<br>20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V05E11DSC | 148467-020 | | 05/11/2005 | 1856 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| tert-Butylbenzene, Solid | ug/Kg | 37.669 | 37.563 | 50.000 | 0.780 U | 750 | % R | 67-124 20 | |
| 1,2,4 Trimethylbenzene, Solid | ug/Kg | 38.278 | 39.288 | 50.000 | 0.850 U | 773 | % R | 70-126 20 | |
| sec-Butylbenzene, Solid | ug/Kg | 36.662 | 37.036 | 50.000 | 0.840 U | 731 | % R | 65-129 20 | |
| 1,3 Dichlorobenzene, Solid | ug/Kg | 39.850 | 38.392 | 50.000 | 0.720 U | 804 | % R | 71-120 20 | |
| p-Isopropyltoluene, Solid | ug/Kg | 35.225 | 36.018 | 50.000 | 0.820 U | 702 | % R | 65-121 20 | |
| 1,4-Dichlorobenzene, Solid | ug/Kg | 38.150 | 40.444 | 50.000 | 0.700 U | 766 | % R | 72-120 20 | |
| n-Butylbenzene, Solid | ug/Kg | 35.143 | 37.373 | 50.000 | 1.100 U | 706 | % R | 64-133 20 | |
| 1,2-Dichlorobenzene, Solid | ug/Kg | 39.730 | 40.897 | 50.000 | 0.720 U | 793 | % R | 75-117 20 | |
| 1,2-Dibromo-3-chloropropane, Solid | ug/Kg | 38.337 | 41.040 | 50.000 | 1.500 U | 777 | % R | 61-133 20 | |
| 1,2,4-Trichlorobenzene, Solid | ug/Kg | 34.800 | 38.222 | 50.000 | 1.200 U | 709 | % R | 61-132 20 | |
| Hexachlorobutadiene, Solid | ug/Kg | 33.435 | 34.146 | 50.000 | 2.600 U | 672 | % R | 50-154 20 | |
| 1,2,3-Trichlorobenzene, Solid | ug/Kg | 35.298 | 37.438 | 50.000 | 1.100 U | 716 | % R | 65-127 20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B | Equipment Code....: GCL9 | Analyst...: jmp
Method Description.: Volatile Organics | Batch.....: 148472

| LCS | Laboratory Control Sample | V05E11DSC | 148467-019 | | 05/11/2005 0940 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 36.959 | | 50.000 | 0.860 | U 74 | % | 39-159 | |
| Chloromethane, Solid | ug/Kg | 53.060 | | 50.000 | 0.720 | U 106 | % | 42-180 | |
| Vinyl chloride, Solid | ug/Kg | 42.369 | | 50.000 | 0.700 | U 85 | % | 49-144 | |
| Bromomethane, Solid | ug/Kg | 43.574 | | 50.000 | 2.700 | U 87 | % | 39-165 | |
| Chloroethane, Solid | ug/Kg | 48.248 | | 50.000 | 3.100 | U 96 | % | 56-145 | |
| Trichlorofluoromethane, Solid | ug/Kg | 42.833 | | 50.000 | 0.950 | U 86 | % | 57-136 | |
| 1,1-Dichloroethene, Solid | ug/Kg | 36.107 | | 50.000 | 1.300 | U 72 | % | 47-141 | |
| Carbon disulfide, Solid | ug/Kg | 36.189 | | 50.000 | 0.690 | U 72 | % | 22-118 | |
| Acetone, Solid | ug/Kg | 62.388 | | 50.000 | 3.200 | U 125 | % | 50-176 | |
| Methylene chloride, Solid | ug/Kg | 44.076 | | 50.000 | 1.600 | U 88 | % | 67-133 | |
| trans 1,2 Dichloroethene, Solid | ug/Kg | 39.010 | | 50.000 | 0.770 | U 78 | % | 62-138 | |
| Methyl tert butyl ether (MTBE), Solid | ug/Kg | 46.458 | | 50.000 | 0.550 | U 93 | % | 69-155 | |
| 1,1 Dichloroetnane, Solid | ug/Kg | 40.504 | | 50.000 | 0.590 | U 81 | % | 65-134 | |
| 2,2 Dichloropropane, Solid | ug/Kg | 39.436 | | 50.000 | 1.400 | U 79 | % | 70-134 | |
| cis 1,2 Dichloroetnene, Solid | ug/Kg | 41.393 | | 50.000 | 0.560 | U 83 | % | 74-130 | |
| 2 Butanone (MEK), Solid | ug/Kg | 46.819 | | 50.000 | 2.200 | U 94 | % | 41-166 | |
| Bromochloromethane, Solid | ug/Kg | 43.781 | | 50.000 | 0.750 | U 88 | % | 61-122 | |
| Chloroform, Solid | ug/Kg | 42.687 | | 50.000 | 0.680 | U 85 | % | 73-135 | |
| 1,1,1 Trichloroethane, Solid | ug/Kg | 38.543 | | 50.000 | 0.720 | U 77 | % | 71-137 | |
| 1,1 Dichloropropene, Solid | ug/Kg | 38.751 | | 50.000 | 0.720 | U 78 | % | 68-134 | |
| Carbon tetrachloride, Solid | ug/Kg | 35.426 | | 50.000 | 0.730 | U 71 | % | 67-130 | |
| Benzene, Solid | ug/Kg | 41.396 | | 50.000 | 0.690 | U 83 | % | 72-125 | |
| 1,2 Dichloroethane, Solid | ug/Kg | 41.981 | | 50.000 | 0.550 | U 84 | % | 72-134 | |
| Trichloroethene, Solid | ug/Kg | 38.716 | | 50.000 | 0.660 | U 77 | % | 74-124 | |
| 1,2 Dichloropropane, Solid | ug/Kg | 43.071 | | 50.000 | 0.550 | U 86 | % | 76-124 | |
| Dibromomethane, Solid | ug/Kg | 41.816 | | 50.000 | 0.800 | U 84 | % | 75-122 | |
| Bromodichloromethane, Solid | ug/Kg | 44.610 | | 50.000 | 0.570 | U 89 | % | 82-131 | |
| cis 1,3 Dichloropropene, Solid | ug/Kg | 41.782 | | 52.000 | 0.580 | U 80 | % | 78-118 | |
| 4 Methyl 2 pentanone (MIBK), Solid | ug/Kg | 50.252 | | 50.000 | 0.620 | U 101 | % | 57-144 | |
| Toluene, Solid | ug/Kg | 41.122 | | 50.000 | 1.700 | U 82 | % | 73-121 | |
| trans 1,3 Dichloropropene, Solid | ug/Kg | 38.588 | | 48.000 | 0.600 | U 80 | % | 77-127 | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 43.163 | | 50.000 | 0.820 | U 86 | % | 79-133 | |
| Tetrachloroethene, Solid | ug/Kg | 36.982 | | 50.000 | 0.900 | U 74 | % | 69-123 | |
| 1,3 Dichloropropane, Solid | ug/Kg | 43.206 | | 50.000 | 0.610 | U 86 | % | 81-123 | |
| 2 Hexanone, Solid | ug/Kg | 48.914 | | 50.000 | 1.200 | U 98 | % | 57-148 | |
| Dibromochloromethane, Solid | ug/Kg | 40.994 | | 50.000 | 0.650 | U 82 | % | 78-125 | |
| 1,2 Dibromoethane (EDB), Solid | ug/Kg | 41.548 | | 50.000 | 0.640 | U 83 | % | 77-123 | |
| Chlorobenzene, Solid | ug/Kg | 40.756 | | 50.000 | 0.560 | U 82 | % | 77-115 | |
| 1,1,1,2 Tetrachloroethane, Solid | ug/Kg | 41.186 | | 50.000 | 0.600 | U 82 | % | 78-126 | |
| Ethylbenzene, Solid | ug/Kg | 41.112 | | 50.000 | 0.640 | U 82 | % | 73-121 | |
| m,p Xylenes, Solid | ug/Kg | 80.928 | | 100.000 | 1.200 | U 81 | % | 73-122 | |
| o Xylene, Solid | ug/Kg | 41.385 | | 50.000 | 0.620 | U 83 | % | 75-120 | |
| Styrene, Solid | ug/Kg | 41.360 | | 50.000 | 0.620 | U 83 | % | 76-124 | |
| Bromoform, Solid | ug/Kg | 40.628 | | 50.000 | 0.740 | U 81 | % | 72-132 | |
| Isopropylbenzene, Solid | ug/Kg | 34.638 | | 50.000 | 0.680 | U 69 | % | 59-114 | |
| Bromobenzene, Solid | ug/Kg | 40.794 | | 50.000 | 0.450 | U 82 | % | 75-118 | |
| 1,1,2,2 Tetrachloroethane, Solid | ug/Kg | 42.420 | | 50.000 | 0.620 | U 85 | % | 73-125 | |
| 1,2,3 Trichloropropane, Solid | ug/Kg | 40.250 | | 50.000 | 1.200 | U 80 | % | 75-126 | |
| n Propylbenzene, Solid | ug/Kg | 37.322 | | 50.000 | 0.740 | U 75 | % | 66-126 | |
| 2 Chlorotoluene, Solid | ug/Kg | 40.042 | | 50.000 | 0.660 | U 80 | % | 68-126 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | V05E11DSC | 148467-019 | | 05/11/2005 | 0940 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, Solid | ug/Kg | 38.576 | | 50.000 | 0.810 | U 77 | % | 68-125 | |
| 4-Chlorotoluene, Solid | ug/Kg | 39.304 | | 50.000 | 0.690 | U 79 | % | 70-123 | |
| tert-Butylbenzene, Solid | ug/Kg | 37.563 | | 50.000 | 0.780 | U 75 | % | 67-124 | |
| 1,2,4-Trimethylbenzene, Solid | ug/Kg | 39.288 | | 50.000 | 0.850 | U 79 | % | 70-126 | |
| sec-Butylbenzene, Solid | ug/Kg | 37.036 | | 50.000 | 0.840 | U 74 | % | 65-129 | |
| 1,3-Dichlorobenzene, Solid | ug/Kg | 38.392 | | 50.000 | 0.720 | U 77 | % | 71-120 | |
| p-Isopropyltoluene, Solid | ug/Kg | 36.018 | | 50.000 | 0.820 | U 72 | % | 65-121 | |
| 1,4-Dichlorobenzene, Solid | ug/Kg | 40.444 | | 50.000 | 0.700 | U 81 | % | 72-120 | |
| n-Butylbenzene, Solid | ug/Kg | 37.373 | | 50.000 | 1.100 | U 75 | % | 64-133 | |
| 1,2-Dichlorobenzene, Solid | ug/Kg | 40.897 | | 50.000 | 0.720 | U 82 | % | 75-117 | |
| 1,2-Dibromo-3-chloropropane, Solid | ug/Kg | 41.040 | | 50.000 | 1.500 | U 82 | % | 61-133 | |
| 1,2,4-Trichlorobenzene, Solid | ug/Kg | 38.222 | | 50.000 | 1.200 | U 76 | % | 61-132 | |
| Hexachlorobutadiene, Solid | ug/Kg | 34.146 | | 50.000 | 2.600 | U 68 | % | 50-154 | |
| 1,2,3-Trichlorobenzene, Solid | ug/Kg | 37.438 | | 50.000 | 1.100 | U 75 | % | 65-127 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B | Equipment Code....: GCL9 | Analyst...: jmp
Method Description.: Volatile Organics | Batch.....: 148472

| | | | | | | |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 148467-018 | | 05/11/2005 | 0910 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 0.860 | U | | | | | | | |
| Chloromethane, Solid | ug/Kg | 0.720 | U | | | | | | | |
| Vinyl chloride, Solid | ug/Kg | 0.700 | U | | | | | | | |
| Bromomethane, Solid | ug/Kg | 2.700 | U | | | | | | | |
| Chloroethane, Solid | ug/Kg | 3.100 | U | | | | | | | |
| Trichlorofluoromethane, Solid | ug/Kg | 0.950 | U | | | | | | | |
| 1,1 Dichloroethene, Solid | ug/Kg | 1.300 | U | | | | | | | |
| Carbon disulfide, Solid | ug/Kg | 0.690 | U | | | | | | | |
| Acetone, Solid | ug/Kg | 3.200 | U | | | | | | | |
| Methylene chloride, Solid | ug/Kg | 1.600 | U | | | | | | | |
| trans 1,2 Dichloroethene, Solid | ug/Kg | 0.770 | U | | | | | | | |
| Methyl tert butyl ether (MTBE), Solid | ug/Kg | 0.550 | U | | | | | | | |
| 1,1 Dichloroethane, Solid | ug/Kg | 0.590 | U | | | | | | | |
| 2,2 Dichloropropane, Solid | ug/Kg | 1.400 | U | | | | | | | |
| cis 1,2 Dichloroethene, Solid | ug/Kg | 0.560 | U | | | | | | | |
| 2 Butanone (MEK), Solid | ug/Kg | 2.200 | U | | | | | | | |
| Bromochloromethane, Solid | ug/Kg | 0.750 | U | | | | | | | |
| Chloroform, Solid | ug/Kg | 0.680 | U | | | | | | | |
| 1,1,1 Trichloroethane, Solid | ug/Kg | 0.720 | U | | | | | | | |
| 1,1 Dichloropropene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| Carbon tetrachloride, Solid | ug/Kg | 0.730 | U | | | | | | | |
| Benzene, Solid | ug/Kg | 0.690 | U | | | | | | | |
| 1,2 Dichloroethane, Solid | ug/Kg | 0.550 | U | | | | | | | |
| Trichloroethene, Solid | ug/Kg | 0.660 | U | | | | | | | |
| 1,2 Dichloropropane, Solid | ug/Kg | 0.550 | U | | | | | | | |
| Dibromomethane, Solid | ug/Kg | 0.800 | U | | | | | | | |
| Bromodichloromethane, Solid | ug/Kg | 0.570 | U | | | | | | | |
| cis 1,3 Dichloropropene, Solid | ug/Kg | 0.580 | U | | | | | | | |
| 4 Methyl 2 pentanone (MIBK), Solid | ug/Kg | 0.620 | U | | | | | | | |
| Toluene, Solid | ug/Kg | 1.700 | U | | | | | | | |
| trans 1,3 Dichloropropene, Solid | ug/Kg | 0.600 | U | | | | | | | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 0.620 | U | | | | | | | |
| Tetrachloroethene, Solid | ug/Kg | 0.900 | U | | | | | | | |
| 1,3 Dichloropropane, Solid | ug/Kg | 0.610 | U | | | | | | | |
| 2 Hexanone, Solid | ug/Kg | 1.200 | U | | | | | | | |
| Dibromochloromethane, Solid | ug/Kg | 0.650 | U | | | | | | | |
| 1,2 Dibromoethane (EDB), Solid | ug/Kg | 0.640 | U | | | | | | | |
| Chlorobenzene, Solid | ug/Kg | 0.560 | U | | | | | | | |
| 1,1,1,2 Tetrachloroethane, Solid | ug/Kg | 0.600 | U | | | | | | | |
| Ethylbenzene, Solid | ug/Kg | 0.640 | U | | | | | | | |
| m,p Xylene, Solid | ug/Kg | 1.200 | U | | | | | | | |
| o Xylene, Solid | ug/Kg | 0.620 | U | | | | | | | |
| Styrene, Solid | ug/Kg | 0.620 | U | | | | | | | |
| Bromoform, Solid | ug/Kg | 0.740 | U | | | | | | | |
| Isopropylbenzene, Solid | ug/Kg | 0.660 | U | | | | | | | |
| Bromobenzene, Solid | ug/Kg | 0.450 | U | | | | | | | |
| 1,1,2,2 Tetrachloroethane, Solid | ug/Kg | 0.620 | U | | | | | | | |
| 1,2,3 Trichloropropane, Solid | ug/Kg | 1.200 | U | | | | | | | |
| n Propylbenzene, Solid | ug/Kg | 0.740 | U | | | | | | | |
| 2 Chlorotoluene, Solid | ug/Kg | 0.660 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 148467-018 | | 05/11/2005 | 0910 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, Solid | ug/Kg | 0.810 | U | | | | | | | |
| 4-Chlorotoluene, Solid | ug/Kg | 0.690 | U | | | | | | | |
| tert-Butylbenzene, Solid | ug/Kg | 0.780 | U | | | | | | | |
| 1,2,4-Trimethylbenzene, Solid | ug/Kg | 0.850 | U | | | | | | | |
| sec-Butylbenzene, Solid | ug/Kg | 0.840 | U | | | | | | | |
| 1,3-Dichlorobenzene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| p-Isopropyltoluene, Solid | ug/Kg | 0.820 | U | | | | | | | |
| 1,4-Dichlorobenzene, Solid | ug/Kg | 0.700 | U | | | | | | | |
| n-Butylbenzene, Solid | ug/Kg | 1.100 | U | | | | | | | |
| 1,2-Dichlorobenzene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| 1,2-Dibromo-3 chloropropane, Solid | ug/Kg | 1.500 | U | | | | | | | |
| 1,2,4 Trichlorobenzene, Solid | ug/Kg | 1.200 | U | | | | | | | |
| Hexachlorobutadiene, Solid | ug/Kg | 2.600 | U | | | | | | | |
| 1,2,3 Trichlorobenzene, Solid | ug/Kg | 1.100 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL9
Batch.....: 148609
Analyst...: jdn

| LCD | Laboratory Control Sample Duplicate | V05E12DSC | 148608-020 | | 05/12/2005 | 1953 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 27.697 | 29.103 | 50.000 | 0.860 | U | 55.5 | % R | 39-159 20 | |
| Chloromethane, Solid | ug/Kg | 46.122 | 47.678 | 50.000 | 0.720 | U | 92.3 | % R | 42-180 20 | |
| Vinyl chloride, Solid | ug/Kg | 35.729 | 36.626 | 50.000 | 0.700 | U | 71.2 | % R | 49-144 20 | |
| Bromomethane, Solid | ug/Kg | 38.110 | 37.248 | 50.000 | 2.700 | U | 76.2 | % R | 39-165 20 | |
| Chloroethane, Solid | ug/Kg | 40.506 | 45.364 | 50.000 | 3.100 | U | 81.11 | % R | 56-145 20 | |
| Trichlorofluoromethane, Solid | ug/Kg | 34.789 | 36.002 | 50.000 | 0.950 | U | 70.3 | % R | 57-136 20 | |
| 1,1 Dichloroethene, Solid | ug/Kg | 36.260 | 34.010 | 50.000 | 1.300 | U | 73.6 | % R | 47-141 20 | |
| Carbon disulfide, Solid | ug/Kg | 33.637 | 35.008 | 50.000 | 0.690 | U | 67.4 | % R | 22-118 20 | |
| Acetone, Solid | ug/Kg | 46.435 | 50.832 | 50.000 | 3.200 | U | 93.9 | % R | 50-176 20 | |
| Methylene chloride, Solid | ug/Kg | 44.161 | 43.965 | 50.000 | 1.600 | U | 88.0 | % R | 67-133 20 | |
| trans 1,2 Dichloroethene, Solid | ug/Kg | 41.242 | 37.381 | 50.000 | 0.770 | U | 82.10 | % R | 62-138 20 | |
| Methyl tert butyl ether (MTBE), Solid | ug/Kg | 44.922 | 40.304 | 50.000 | 0.550 | U | 90.11 | % R | 69-155 20 | |
| 1,1 Dichloroethane, Solid | ug/Kg | 43.900 | 39.578 | 50.000 | 0.590 | U | 88.10 | % R | 65-134 20 | |
| 2,2 Dichloropropane, Solid | ug/Kg | 38.352 | 38.852 | 50.000 | 1.400 | U | 77.1 | % R | 70-134 20 | |
| cis 1,2 Dichloroethene, Solid | ug/Kg | 45.194 | 40.478 | 50.000 | 0.560 | U | 90.11 | % R | 74-130 20 | |
| 2 Butanone (MEK), Solid | ug/Kg | 40.952 | 39.961 | 50.000 | 2.200 | U | 82.2 | % R | 41-166 30 | |
| Bromochloromethane, Solid | ug/Kg | 43.619 | 41.146 | 50.000 | 0.750 | U | 87.6 | % R | 61-122 20 | |
| Chloroform, Solid | ug/Kg | 44.887 | 41.292 | 50.000 | 0.680 | U | 90.8 | % R | 73-135 20 | |
| 1,1,1 Trichloroethane, Solid | ug/Kg | 38.741 | 38.140 | 50.000 | 0.720 | U | 77.2 | % R | 71-137 20 | |
| 1,1 Dichloropropene, Solid | ug/Kg | 38.933 | 36.410 | 50.000 | 0.720 | U | 78.1 | % R | 68-134 20 | |
| Carbon tetrachloride, Solid | ug/Kg | 34.870 | 35.889 | 50.000 | 0.730 | U | 70.3 | % R | 67-130 20 | |
| Benzene, Solid | ug/Kg | 43.553 | 43.759 | 50.000 | 0.690 | U | 87.0 | % R | 72-125 20 | |
| 1,2 Dichloroethane, Solid | ug/Kg | 42.413 | 40.081 | 50.000 | 0.550 | U | 85.6 | % R | 72-134 20 | |
| Trichloroethene, Solid | ug/Kg | 41.452 | 41.842 | 50.000 | 0.660 | U | 83.1 | % R | 74-124 20 | |
| 1,2 Dichloropropane, Solid | ug/Kg | 44.637 | 44.279 | 50.000 | 0.550 | U | 89.1 | % R | 76-124 20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date Time |
|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V05E12DSC | 148608-020 | | 05/12/2005 1953 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dibromomethane, Solid | ug/Kg | 43.203 | 40.370 | 50.000 | 0.800 | U 86.7 | % | 75-122 | |
| | | | | | | | R | 20 | |
| Bromodichloromethane, Solid | ug/Kg | 46.863 | 45.078 | 50.000 | 0.570 | U 94.4 | % | 82-131 | |
| | | | | | | | R | 20 | |
| cis 1,3-Dichloropropene, Solid | ug/Kg | 42.500 | 43.171 | 52.000 | 0.580 | U 82.2 | % | 78-118 | |
| | | | | | | | R | 20 | |
| 4-Methyl-2-pentanone (MIBK), Solid | ug/Kg | 42.517 | 42.633 | 50.000 | 0.620 | U 85.0 | % | 57-144 | |
| | | | | | | | R | 20 | |
| Toluene, Solid | ug/Kg | 42.087 | 44.351 | 50.000 | 1.700 | U 84.5 | % | 73-121 | |
| | | | | | | | R | 20 | |
| trans 1,3-Dichloropropene, Solid | ug/Kg | 38.400 | 40.106 | 48.000 | 0.600 | U 80.4 | % | 77-127 | |
| | | | | | | | R | 20 | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 44.968 | 43.161 | 50.000 | 0.820 | U 90.4 | % | 79-133 | |
| | | | | | | | R | 20 | |
| Tetrachloroethene, Solid | ug/Kg | 38.766 | 39.427 | 50.000 | 0.900 | U 78.2 | % | 69-123 | |
| | | | | | | | R | 20 | |
| 1,3 Dichloropropane, Solid | ug/Kg | 45.755 | 43.036 | 50.000 | 0.610 | U 92.6 | % | 81-123 | |
| | | | | | | | R | 20 | |
| 2 Hexanone, Solid | ug/Kg | 42.471 | 41.858 | 50.000 | 1.200 | U 85.1 | % | 57-148 | |
| | | | | | | | R | 20 | |
| Dibromochloromethane, Solid | ug/Kg | 44.861 | 42.334 | 50.000 | 0.650 | U 90.6 | % | 78-125 | |
| | | | | | | | R | 20 | |
| 1,2 Dibromoethane (EDB), Solid | ug/Kg | 43.220 | 42.927 | 50.000 | 0.640 | U 86.1 | % | 77-123 | |
| | | | | | | | R | 20 | |
| Chlorobenzene, Solid | ug/Kg | 42.507 | 43.011 | 50.000 | 0.560 | U 85.1 | % | 77-115 | |
| | | | | | | | R | 20 | |
| 1,1,1,2 Tetrachloroethane, Solid | ug/Kg | 45.310 | 43.798 | 50.000 | 0.600 | U 91.3 | % | 78-126 | |
| | | | | | | | R | 20 | |
| [illegible] | ug/Kg | 42.463 | 42.302 | 50.000 | 0.640 | U 85.0 | % | 73-121 | |
| | | | | | | | R | 20 | |
| [illegible] | ug/Kg | 81.434 | 85.085 | 100.000 | 1.200 | U 81.4 | % | 73-122 | |
| | | | | | | | R | 20 | |
| [illegible] | ug/Kg | 42.110 | 42.796 | 50.000 | 0.620 | U 84.2 | % | 75-120 | |
| | | | | | | | R | 20 | |
| [illegible] | ug/Kg | 42.426 | 42.407 | 50.000 | 0.620 | U 85.0 | % | 76-124 | |
| | | | | | | | R | 20 | |
| Bromoform, Solid | ug/Kg | 42.837 | 41.908 | 50.000 | 0.740 | U 86.2 | % | 72-132 | |
| | | | | | | | R | 20 | |
| [illegible] | ug/Kg | 36.433 | 36.217 | 50.000 | 0.680 | U 73.1 | % | 59-114 | |
| | | | | | | | R | 20 | |
| [illegible] | ug/Kg | 43.722 | 43.242 | 50.000 | 0.450 | U 87.1 | % | 75-118 | |
| | | | | | | | R | 20 | |
| [illegible] Tetrachloroethane, Solid | ug/Kg | 43.225 | 41.165 | 50.000 | 0.620 | U 86.5 | % | 73-125 | |
| | | | | | | | R | 20 | |
| [illegible] | ug/Kg | 42.718 | 41.367 | 50.000 | 1.200 | U 85.6 | % | 75-126 | |
| | | | | | | | R | 20 | |
| [illegible] | ug/Kg | 38.311 | 39.287 | 50.000 | 0.740 | U 77.3 | % | 66-126 | |
| | | | | | | | R | 20 | |
| [illegible] | ug/Kg | 41.678 | 41.825 | 50.000 | 0.660 | U 82.2 | % | 68-126 | |
| | | | | | | | R | 20 | |
| [illegible] Dichlorobenzene, Solid | ug/Kg | 39.157 | 40.502 | 50.000 | 0.810 | U 78.3 | % | 68-125 | |
| | | | | | | | R | 20 | |
| 4 Chlorotoluene, Solid | ug/Kg | 39.867 | 41.746 | 50.000 | 0.690 | U 80.5 | % | 70-123 | |
| | | | | | | | R | 20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V05E12DSC | 148608-020 | | 05/12/2005 | 1953 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| tert-Butylbenzene, Solid | ug/Kg | 39.330 | 39.740 | 50.000 | 0.780 U | 79<br>1 | %<br>R | 67-124<br>20 | |
| 1,2,4-Trimethylbenzene, Solid | ug/Kg | 39.352 | 40.942 | 50.000 | 0.850 U | 79<br>4 | %<br>R | 70-126<br>20 | |
| sec-Butylbenzene, Solid | ug/Kg | 38.046 | 39.027 | 50.000 | 0.840 U | 76<br>3 | %<br>R | 65-129<br>20 | |
| 1,3 Dichlorobenzene, Solid | ug/Kg | 39.422 | 42.461 | 50.000 | 0.720 U | 79<br>7 | %<br>R | 71-120<br>20 | |
| p Isopropyltoluene, Solid | ug/Kg | 36.068 | 38.304 | 50.000 | 0.820 U | 72<br>6 | %<br>R | 65-121<br>20 | |
| 1,4 Dichlorobenzene, Solid | ug/Kg | 39.032 | 42.267 | 50.000 | 0.700 U | 78<br>8 | %<br>R | 72-120<br>20 | |
| n Butylbenzene, Solid | ug/Kg | 35.398 | 39.942 | 50.000 | 1.100 U | 71<br>12 | %<br>R | 64-133<br>20 | |
| 1,2 Dichlorobenzene, Solid | ug/Kg | 41.480 | 43.443 | 50.000 | 0.720 U | 83<br>5 | %<br>R | 75-117<br>20 | |
| 1,2-Dibromo 3 chloropropane, Solid | ug/Kg | 39.176 | 39.351 | 50.000 | 1.500 U | 78<br>0 | %<br>R | 61-133<br>20 | |
| 1,2,4 Trichlorobenzene, Solid | ug/Kg | 34.952 | 41.666 | 50.000 | 1.200 U | 70<br>18 | %<br>R | 61-132<br>20 | |
| Hexachlorobutadiene, Solid | ug/Kg | 35.154 | 39.552 | 50.000 | 2.600 U | 70<br>12 | %<br>R | 50-154<br>20 | |
| 1,2,3 Trichlorobenzene, Solid | ug/Kg | 36.831 | 40.819 | 50.000 | 1.100 U | 74<br>10 | %<br>R | 65-127<br>20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B | Equipment Code....: GCL9 | Analyst...: jdn
Method Description.: Volatile Organics | Batch.....: 148609

| LCS | Laboratory Control Sample | V05E12DSC | 148608-019 | | 05/12/2005 | 1007 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 29.103 | | 50.000 | 0.860 | U 58 | % | 39-159. | |
| Chloromethane, Solid | ug/Kg | 47.678 | | 50.000 | 0.720 | U 95 | % | 42-180 | |
| Vinyl chloride, Solid | ug/Kg | 36.626 | | 50.000 | 0.700 | U 73 | % | 49-144 | |
| Bromomethane, Solid | ug/Kg | 37.248 | | 50.000 | 2.700 | U 74 | % | 39-165 | |
| Chloroethane, Solid | ug/Kg | 45.364 | | 50.000 | 3.100 | U 91 | % | 56-145 | |
| Trichlorofluoromethane, Solid | ug/Kg | 36.002 | | 50.000 | 0.950 | U 72 | % | 57-136 | |
| 1,1 Dichloroethene, Solid | ug/Kg | 34.010 | | 50.000 | 1.300 | U 68 | % | 47-141 | |
| Carbon disulfide, Solid | ug/Kg | 35.008 | | 50.000 | 0.690 | U 70 | % | 22-118 | |
| Acetone, Solid | ug/Kg | 50.832 | | 50.000 | 3.200 | U 102 | % | 50-176 | |
| Methylene chloride, Solid | ug/Kg | 43.965 | | 50.000 | 1.600 | U 88 | % | 67-133 | |
| trans 1,2 Dichloroethene, Solid | ug/Kg | 37.381 | | 50.000 | 0.770 | U 75 | % | 62-138 | |
| Methyl tert butyl ether (MTBE), Solid | ug/Kg | 40.304 | | 50.000 | 0.550 | U 81 | % | 69-155 | |
| 1,1 Dichloroethane, Solid | ug/Kg | 39.578 | | 50.000 | 0.590 | U 79 | % | 65-134 | |
| 2,2 Dichloropropane, Solid | ug/Kg | 38.852 | | 50.000 | 1.400 | U 78 | % | 70-134 | |
| cis 1,2 Dichloroethene, Solid | ug/Kg | 40.478 | | 50.000 | 0.560 | U 81 | % | 74-130 | |
| 2 Butanone (MEK), Solid | ug/Kg | 39.961 | | 50.000 | 2.200 | U 80 | % | 41-166 | |
| Bromochloromethane, Solid | ug/Kg | 41.146 | | 50.000 | 0.750 | U 82 | % | 61-122 | |
| Chloroform, Solid | ug/Kg | 41.292 | | 50.000 | 0.680 | U 83 | % | 73-135 | |
| 1,1,1 Trichloroethane, Solid | ug/Kg | 38.140 | | 50.000 | 0.720 | U 76 | % | 71-137 | |
| 1,1 Dichloropropene, Solid | ug/Kg | 38.410 | | 50.000 | 0.720 | U 77 | % | 68-134 | |
| Carbon tetrachloride, Solid | ug/Kg | 35.889 | | 50.000 | 0.730 | U 72 | % | 67-130 | |
| Benzene, Solid | ug/Kg | 43.759 | | 50.000 | 0.690 | U 88 | % | 72-125 | |
| 1,2 Dichloroethane, Solid | ug/Kg | 40.081 | | 50.000 | 0.550 | U 80 | % | 72-134 | |
| Trichloroethene, Solid | ug/Kg | 41.842 | | 50.000 | 0.660 | U 84 | % | 74-124 | |
| 1,2 Dichloropropane, Solid | ug/Kg | 44.279 | | 50.000 | 0.550 | U 89 | % | 76-124 | |
| Dibromomethane, Solid | ug/Kg | 40.370 | | 50.000 | 0.800 | U 81 | % | 75-122 | |
| Bromodichloromethane, Solid | ug/Kg | 45.078 | | 50.000 | 0.570 | U 90 | % | 82-131 | |
| cis 1,3 Dichloropropene, Solid | ug/Kg | 43.171 | | 52.000 | 0.580 | U 83 | % | 78-118 | |
| 4 Methyl 2 pentanone (MIBK), Solid | ug/Kg | 42.633 | | 50.000 | 0.620 | U 85 | % | 57-144 | |
| Toluene, Solid | ug/Kg | 44.351 | | 50.000 | 1.700 | U 89 | % | 73-121 | |
| trans 1,3 Dichloropropene, Solid | ug/Kg | 40.106 | | 48.000 | 0.600 | U 84 | % | 77-127 | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 43.161 | | 50.000 | 0.820 | U 86 | % | 79-133 | |
| Tetrachloroethene, Solid | ug/Kg | 39.427 | | 50.000 | 0.900 | U 79 | % | 69-123 | |
| 1,3 Dichloropropane, Solid | ug/Kg | 43.036 | | 50.000 | 0.610 | U 86 | % | 81-123 | |
| 2 Hexanone, Solid | ug/Kg | 41.656 | | 50.000 | 1.200 | U 84 | % | 57-148 | |
| Dibromochloromethane, Solid | ug/Kg | 42.324 | | 50.000 | 0.650 | U 85 | % | 78-125 | |
| 1,2 Dibromoethane (EDB), Solid | ug/Kg | 42.927 | | 50.000 | 0.640 | U 86 | % | 77-123 | |
| Chlorobenzene, Solid | ug/Kg | 43.111 | | 50.000 | 0.560 | U 86 | % | 77-115 | |
| 1,1,1,2 Tetrachloroethane, Solid | ug/Kg | 43.796 | | 50.000 | 0.600 | U 88 | % | 78-126 | |
| Ethylbenzene, Solid | ug/Kg | 42.301 | | 50.000 | 0.640 | U 85 | % | 73-121 | |
| [illegible], Solid | ug/Kg | 85.168 | | 100.000 | 1.200 | U 85 | % | 73-122 | |
| [illegible], Solid | ug/Kg | 42.746 | | 50.000 | 0.620 | U 86 | % | 75-120 | |
| [illegible], Solid | ug/Kg | 42.417 | | 50.000 | 0.620 | U 85 | % | 76-124 | |
| [illegible], Solid | ug/Kg | 41.9[illegible] | | 50.000 | 0.740 | U 84 | % | 72-132 | |
| [illegible], Solid | ug/Kg | 36.217 | | 50.000 | 0.680 | U 72 | % | 59-114 | |
| [illegible], Solid | ug/Kg | 43.241 | | 50.000 | 0.450 | U 86 | % | 75-118 | |
| 1,2,3 Trichloropropane, Solid | ug/Kg | 41.168 | | 50.000 | 0.620 | U 82 | % | 73-125 | |
| 1,1,2,2 Tetrachloroethane, Solid | ug/Kg | 40.367 | | 50.000 | 1.200 | U 81 | % | 75-126 | |
| 1 Propylbenzene, Solid | ug/Kg | 39.287 | | 50.000 | 0.740 | U 79 | % | 66-126 | |
| 2 Chlorotoluene, Solid | ug/Kg | 41.825 | | 50.000 | 0.660 | U 84 | % | 68-126 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | V05E12DSC | 148608-019 | | 05/12/2005 | 1007 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, Solid | ug/Kg | 40.502 | | 50.000 | 0.810 | U 81 | % | 68-125 | |
| 4-Chlorotoluene, Solid | ug/Kg | 41.746 | | 50.000 | 0.690 | U 83 | % | 70-123 | |
| tert-Butylbenzene, Solid | ug/Kg | 39.740 | | 50.000 | 0.780 | U 79 | % | 67-124 | |
| 1,2,4-Trimethylbenzene, Solid | ug/Kg | 40.942 | | 50.000 | 0.850 | U 82 | % | 70-126 | |
| sec-Butylbenzene, Solid | ug/Kg | 39.027 | | 50.000 | 0.840 | U 78 | % | 65-129 | |
| 1,3 Dichlorobenzene, Solid | ug/Kg | 42.461 | | 50.000 | 0.720 | U 85 | % | 71-120 | |
| p Isopropyltoluene, Solid | ug/Kg | 38.304 | | 50.000 | 0.820 | U 77 | % | 65-121 | |
| 1,4 Dichlorobenzene, Solid | ug/Kg | 42.267 | | 50.000 | 0.700 | U 85 | % | 72-120 | |
| n Butylbenzene, Solid | ug/Kg | 39.942 | | 50.000 | 1.100 | U 80 | % | 64-133 | |
| 1,2 Dichlorobenzene, Solid | ug/Kg | 43.443 | | 50.000 | 0.720 | U 87 | % | 75-117 | |
| 1,2 Dibromo 3-chloropropane, Solid | ug/Kg | 39.351 | | 50.000 | 1.500 | U 79 | % | 61-133 | |
| 1,2,4 Trichlorobenzene, Solid | ug/Kg | 41.666 | | 50.000 | 1.200 | U 83 | % | 61-132 | |
| Hexachlorobutadiene, Solid | ug/Kg | 39.552 | | 50.000 | 2.600 | U 79 | % | 50-154 | |
| 1,2,3 Trichlorobenzene, Solid | ug/Kg | 40.819 | | 50.000 | 1.100 | U 82 | % | 65-127 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL9
Batch.....: 148609

Analyst...: jdn

| MB | Method Blank | | 148608-018 | | 05/12/2005 | 0938 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 0.860 | U | | | | | | | |
| Chloromethane, Solid | ug/Kg | 0.720 | U | | | | | | | |
| Vinyl chloride, Solid | ug/Kg | 0.700 | U | | | | | | | |
| Bromomethane, Solid | ug/Kg | 2.700 | U | | | | | | | |
| Chloroethane, Solid | ug/Kg | 3.100 | U | | | | | | | |
| Trichlorofluoromethane, Solid | ug/Kg | 0.950 | U | | | | | | | |
| 1,1 Dichloroethene, Solid | ug/Kg | 1.300 | U | | | | | | | |
| Carbon disulfide, Solid | ug/Kg | 0.690 | U | | | | | | | |
| Acetone, Solid | ug/Kg | 3.200 | U | | | | | | | |
| Methylene chloride, Solid | ug/Kg | 1.600 | U | | | | | | | |
| trans 1,2 Dichloroethene, Solid | ug/Kg | 0.770 | U | | | | | | | |
| Methyl tert butyl ether (MTBE), Solid | ug/Kg | 0.550 | U | | | | | | | |
| 1,1 Dichloroethane, Solid | ug/Kg | 0.590 | U | | | | | | | |
| 2,2 Dichloropropane, Solid | ug/Kg | 1.400 | U | | | | | | | |
| cis 1,2 Dichloroethene, Solid | ug/Kg | 0.560 | U | | | | | | | |
| 2 Butanone (MEK), Solid | ug/Kg | 2.200 | U | | | | | | | |
| Bromochloromethane, Solid | ug/Kg | 0.750 | U | | | | | | | |
| Chloroform, Solid | ug/Kg | 0.680 | U | | | | | | | |
| 1,1,1 Trichloroethane, Solid | ug/Kg | 0.720 | U | | | | | | | |
| 1,1 Dichloropropene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| Carbon tetrachloride, Solid | ug/Kg | 0.730 | U | | | | | | | |
| Benzene, Solid | ug/Kg | 0.690 | U | | | | | | | |
| 1,2 Dichloroethane, Solid | ug/Kg | 0.550 | U | | | | | | | |
| Trichloroethene, Solid | ug/Kg | 0.660 | U | | | | | | | |
| 1,2 Dichloropropane, Solid | ug/Kg | 0.550 | U | | | | | | | |
| Dibromomethane, Solid | ug/Kg | 0.800 | U | | | | | | | |
| Bromodichloromethane, Solid | ug/Kg | 0.570 | U | | | | | | | |
| cis 1,3 Dichloropropene, Solid | ug/Kg | 0.580 | U | | | | | | | |
| 4 Methyl 2 pentanone (MIBK), Solid | ug/Kg | 0.620 | U | | | | | | | |
| Toluene, Solid | ug/Kg | 1.700 | U | | | | | | | |
| trans 1,3 Dichloropropene, Solid | ug/Kg | 0.600 | U | | | | | | | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 0.820 | U | | | | | | | |
| Tetrachloroethene, Solid | ug/Kg | 0.900 | U | | | | | | | |
| 1,3 Dichloropropane, Solid | ug/Kg | 0.610 | U | | | | | | | |
| 2 Hexanone, Solid | ug/Kg | 1.200 | U | | | | | | | |
| Dibromochloromethane, Solid | ug/Kg | 0.650 | U | | | | | | | |
| 1,2 Dibromoethane (EDB), Solid | ug/Kg | 0.640 | U | | | | | | | |
| Chlorobenzene, Solid | ug/Kg | 0.560 | U | | | | | | | |
| 1,1,1,2 Tetrachloroethane, Solid | ug/Kg | 0.6[illegible] | U | | | | | | | |
| Ethylbenzene, Solid | ug/Kg | 0.640 | U | | | | | | | |
| m,p Xylene, Solid | ug/Kg | 1.2[illegible] | U | | | | | | | |
| Styrene, Solid | ug/Kg | 0.620 | U | | | | | | | |
| o Xylene, Solid | ug/Kg | 0.620 | U | | | | | | | |
| Bromoform, Solid | ug/Kg | 0.740 | U | | | | | | | |
| Isopropylbenzene, Solid | ug/Kg | 0.680 | U | | | | | | | |
| Bromobenzene, Solid | ug/Kg | 0.450 | U | | | | | | | |
| 1,1,2,2 Tetrachloroethane, Solid | ug/Kg | 0.620 | U | | | | | | | |
| 1,2,3 Trichloropropane, Solid | ug/Kg | 1.200 | U | | | | | | | |
| n Propylbenzene, Solid | ug/Kg | 0.740 | U | | | | | | | |
| 2 Chlorotoluene, Solid | ug/Kg | 0.660 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 148608-018 | | 05/12/2005 | 0938 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, Solid | ug/Kg | 0.810 | U | | | | | | | |
| 4-Chlorotoluene, Solid | ug/Kg | 0.690 | U | | | | | | | |
| tert-Butylbenzene, Solid | ug/Kg | 0.780 | U | | | | | | | |
| 1,2,4-Trimethylbenzene, Solid | ug/Kg | 0.850 | U | | | | | | | |
| sec-Butylbenzene, Solid | ug/Kg | 0.840 | U | | | | | | | |
| 1,3-Dichlorobenzene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| p-Isopropyltoluene, Solid | ug/Kg | 0.820 | U | | | | | | | |
| 1,4-Dichlorobenzene, Solid | ug/Kg | 0.700 | U | | | | | | | |
| n-Butylbenzene, Solid | ug/Kg | 1.100 | U | | | | | | | |
| 1,2-Dichlorobenzene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| 1,2-Dibromo-3-chloropropane, Solid | ug/Kg | 1.500 | U | | | | | | | |
| 1,2,4-Trichlorobenzene, Solid | ug/Kg | 1.200 | U | | | | | | | |
| Hexachlorobutadiene, Solid | ug/Kg | 2.600 | U | | | | | | | |
| 1,2,3-Trichlorobenzene, Solid | ug/Kg | 1.100 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B | Equipment Code....: GCL6 | Analyst...: jdn
Method Description.: Volatile Organics | Batch.....: 148829

| LCS | Laboratory Control Sample | V05E15DSB | 148826-020 | | 05/15/2005 | 1001 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, High/Med Leve | ug/Kg | 1116.095 | | 2500.000 | 22.300 | U 45 | % | 29-135 | |
| Chloromethane, High/Med Level | ug/Kg | 1396.920 | | 2500.000 | 20.400 | U 56 | % | 55-129 | |
| Vinyl chloride, High/Med Level | ug/Kg | 1668.605 | | 2500.000 | 12.600 | U 67 | % | 61-135 | |
| Bromomethane, High/Med Level | ug/Kg | 1879.530 | | 2500.000 | 48.400 | U 75 | % | 36-164 | |
| Chloroethane, High/Med Level | ug/Kg | 2222.360 | | 2500.000 | 19.200 | U 89 | % | 33-207 | |
| Trichlorofluoromethane, High/Med Level | ug/Kg | 2333.720 | | 2500.000 | 16.800 | U 93 | % | 59-145 | |
| 1,1-Dichloroethene, High/Med Level | ug/Kg | 2545.360 | | 2500.000 | 13.700 | U 102 | % | 44-143 | |
| Carbon disulfide, High/Med Level | ug/Kg | 2545.165 | | 2500.000 | 8.900 | U 102 | % | 21-124 | |
| Acetone, High/Med Level | ug/Kg | 4335.445 | | 2500.000 | 61.300 | U 173 | % | 34-143 | * |
| Methylene chloride, High/Med Level | ug/Kg | 2204.615 | | 2500.000 | 29.500 | U 88 | % | 57-129 | |
| trans 1,2 Dichloroethene, High/Med Lev | ug/Kg | 2465.690 | | 2500.000 | 9.800 | U 99 | % | 66-138 | |
| Methyl tert butyl ether (MTBE), High/M | ug/Kg | 2602.750 | | 2500.000 | 12.000 | U 104 | % | 47-126 | |
| 1,1 Dichloroethane, High/Med Level | ug/Kg | 2423.835 | | 2500.000 | 9.800 | U 97 | % | 68-119 | |
| 2,2 Dichloropropane, High/Med Level | ug/Kg | 2773.245 | | 2500.000 | 9.700 | U 111 | % | 41-131 | |
| cis 1,2 Dichloroethene, High/Med Level | ug/Kg | 2369.850 | | 2500.000 | 13.800 | U 95 | % | 64-144 | |
| 2 Butanone (MEK), High/Med Level | ug/Kg | 3304.615 | | 2500.000 | 55.400 | U 132 | % | 40-125 | * |
| Bromochloromethane, High/Med Level | ug/Kg | 2374.720 | | 2500.000 | 16.000 | U 95 | % | 60-124 | |
| Chloroform, High/Med Level | ug/Kg | 2572.710 | | 2500.000 | 9.800 | U 103 | % | 61-129 | |
| 1,1,1 Trichloroethane, High/Med Level | ug/Kg | 2831.975 | | 2500.000 | 7.900 | U 113 | % | 69-133 | |
| 1,1 Dichloropropene, High/Med Level | ug/Kg | 2516.680 | | 2500.000 | 20.900 | U 101 | % | 65-134 | |
| Carbon tetrachloride, High/Med Level | ug/Kg | 3199.945 | | 2500.000 | 29.300 | U 128 | % | 59-127 | * |
| Benzene, High/Med Level | ug/Kg | 2455.400 | | 2500.000 | 4.400 | U 98 | % | 67-122 | |
| 1,2 Dichloroethane, High/Med Level | ug/Kg | 2711.575 | | 2500.000 | 12.700 | U 108 | % | 64-115 | |
| Trichloroethene, High/Med Level | ug/Kg | 2618.805 | | 2500.000 | 10.900 | U 105 | % | 70-123 | |
| 1,2 Dichloropropane, High/Med Level | ug/Kg | 2287.650 | | 2500.000 | 12.900 | U 92 | % | 70-122 | |
| Dibromomethane, High/Med Level | ug/Kg | 2550.665 | | 2500.000 | 14.800 | U 102 | % | 67-121 | |
| Bromodichloromethane, High/Med Level | ug/Kg | 3022.545 | | 2500.000 | 8.600 | U 121 | % | 66-128 | |
| cis 1,3 Dichloropropene, High/Med Leve | ug/Kg | 2550.450 | | 2600.000 | 9.300 | U 98 | % | 68-123 | |
| 4-Methyl-2-pentanone (MIBK), High/Med | ug/Kg | 2775.400 | | 2500.000 | 63.500 | U 111 | % | 54-119 | |
| Toluene, High/Med Level | ug/Kg | 2589.295 | | 2500.000 | 5.800 | U 104 | % | 72-123 | |
| trans 1,3 Dichloropropene, High/Med Le | ug/Kg | 2531.160 | | 2400.000 | 18.600 | U 105 | % | 60-115 | |
| 1,1,2 Trichloroethane, High/Med Level | ug/Kg | 2162.380 | | 2500.000 | 16.500 | U 86 | % | 67-133 | |
| Tetrachloroethene, High/Med Level | ug/Kg | 2832.175 | | 2500.000 | 19.300 | U 113 | % | 75-125 | |
| 1,3 Dichloropropane, High/Med Level | ug/Kg | 2442.080 | | 2500.000 | 15.000 | U 98 | % | 71-118 | |
| 2-Hexanone, High/Med Level | ug/Kg | 3505.610 | | 2500.000 | 61.500 | U 140 | % | 50-116 | * |
| Dibromochloromethane, High/Med Level | ug/Kg | 2716.315 | | 2500.000 | 13.000 | U 109 | % | 70-119 | |
| 1,2 Dibromoethane (EDB), High/Med Leve | ug/Kg | 2525.920 | | 2500.000 | 66.500 | U 101 | % | 69-122 | |
| Chlorobenzene, High/Med Level | ug/Kg | 2523.090 | | 2500.000 | 12.200 | U 101 | % | 80-125 | |
| 1,1,1,2 Tetrachloroethane, High/Med Le | ug/Kg | 2856.210 | | 2500.000 | 10.200 | U 114 | % | 74-120 | |
| Ethylbenzene, High/Med Level | ug/Kg | 2561.110 | | 2500.000 | 8.600 | U 102 | % | 78-128 | |
| m,p-Xylene, High/Med Level | ug/Kg | 5514.75 | | 5000.000 | 14.300 | U 110 | % | 76-133 | |
| o-Xylene, High/Med Level | ug/Kg | 2771.795 | | 2500.000 | 7.100 | U 111 | % | 74-127 | |
| Styrene, High/Med Level | ug/Kg | 2458.817 | | 2500.000 | 16.000 | U 98 | % | 80-129 | |
| Bromoform, High/Med Level | ug/Kg | 2699.73 | | 2500.000 | 17.700 | U 108 | % | 70-123 | |
| Isopropylbenzene, High/Med Level | ug/Kg | 2412.290 | | 2500.000 | 20.500 | U 96 | % | 67-133 | |
| Bromobenzene, High/Med Level | ug/Kg | 2478.525 | | 2500.000 | 15.600 | U 99 | % | 74-133 | |
| 1,1,2,2 Tetrachloroethane, High/Med Le | ug/Kg | 2519.235 | | 2500.000 | 13.500 | U 101 | % | 70-126 | |
| 1,2,3 Trichloropropane, High/Med Level | ug/Kg | 2537.625 | | 2500.000 | 23.400 | U 102 | % | 64-118 | |
| n-Propylbenzene, High/Med Level | ug/Kg | 2610.405 | | 2500.000 | 31.900 | U 104 | % | 69-130 | |
| 2-Chlorotoluene, High/Med Level | ug/Kg | 2648.735 | | 2500.000 | 24.600 | U 106 | % | 62-134 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 236327 Report Date.: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | V05E15DSB | 148826-020 | | 05/15/2005 | 1001 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, High/Med Level | ug/Kg | 2721.595 | | 2500.000 | 27.300 | U 109 | % | 66-125 | |
| 4-Chlorotoluene, High/Med Level | ug/Kg | 2635.210 | | 2500.000 | 32.100 | U 105 | % | 66-131 | |
| tert-Butylbenzene, High/Med Level | ug/Kg | 2827.025 | | 2500.000 | 29.200 | U 113 | % | 71-125 | |
| 1,2,4 Trimethylbenzene, High/Med Level | ug/Kg | 2758.835 | | 2500.000 | 24.700 | U 110 | % | 69-122 | |
| sec-Butylbenzene, High/Med Level | ug/Kg | 2748.600 | | 2500.000 | 29.400 | U 110 | % | 69-139 | |
| 1,3-Dichlorobenzene, High/Med Level | ug/Kg | 2514.530 | | 2500.000 | 27.400 | U 101 | % | 75-119 | |
| p-Isopropyltoluene, High/Med Level | ug/Kg | 2700.225 | | 2500.000 | 33.400 | U 108 | % | 68-129 | |
| 1,4-Dichlorobenzene, High/Med Level | ug/Kg | 2465.590 | | 2500.000 | 23.700 | U 99 | % | 76-127 | |
| n-Butylbenzene, High/Med Level | ug/Kg | 2837.435 | | 2500.000 | 43.700 | U 113 | % | 64-118 | |
| 1,2-Dichlorobenzene, High/Med Level | ug/Kg | 2542.465 | | 2500.000 | 25.400 | U 102 | % | 76-125 | |
| 1,2-Dibromo-3-chloropropane, High/Med | ug/Kg | 2500.110 | | 2500.000 | 34.900 | U 100 | % | 56-102 | |
| 1,2,4-Trichlorobenzene, High/Med Level | ug/Kg | 2682.235 | | 2500.000 | 64.400 | U 107 | % | 61-117 | |
| Hexachlorobutadiene, High/Med Level | ug/Kg | 3033.470 | | 2500.000 | 39.100 | U 121 | % | 63-126 | |
| 1,2,3-Trichlorobenzene, High/Med Level | ug/Kg | 2634.315 | | 2500.000 | 49.200 | U 105 | % | 68-117 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 148829

Analyst...: jdn

| | | | | | | |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 148826-019 | | 05/15/2005 | 0938 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, High/Med Leve | ug/Kg | 22.300 | U | | | | | | | |
| Chloromethane, High/Med Level | ug/Kg | 20.400 | U | | | | | | | |
| Vinyl chloride, High/Med Level | ug/Kg | 12.600 | U | | | | | | | |
| Bromomethane, High/Med Level | ug/Kg | 48.400 | U | | | | | | | |
| Chloroethane, High/Med Level | ug/Kg | 19.200 | U | | | | | | | |
| Trichlorofluoromethane, High/Med Level | ug/Kg | 16.800 | U | | | | | | | |
| 1,1 Dichloroethene, High/Med Level | ug/Kg | 13.700 | U | | | | | | | |
| Carbon disulfide, High/Med Level | ug/Kg | 8.900 | U | | | | | | | |
| Acetone, High/Med Level | ug/Kg | 61.300 | U | | | | | | | |
| Methylene chloride, High/Med Level | ug/Kg | 29.500 | U | | | | | | | |
| trans 1,2 Dichloroethene, High/Med Lev | ug/Kg | 9.800 | U | | | | | | | |
| Methyl tert butyl ether (MTBE), High/M | ug/Kg | 12.000 | U | | | | | | | |
| 1,1 Dichloroethane, High/Med Level | ug/Kg | 9.800 | U | | | | | | | |
| 2,2 Dichloropropane, High/Med Level | ug/Kg | 9.700 | U | | | | | | | |
| cis 1,2 Dichloroethene, High/Med Level | ug/Kg | 13.800 | U | | | | | | | |
| 2 Butanone (MEK), High/Med Level | ug/Kg | 55.400 | U | | | | | | | |
| Bromochloromethane, High/Med Level | ug/Kg | 16.000 | U | | | | | | | |
| Chloroform, High/Med Level | ug/Kg | 9.600 | U | | | | | | | |
| 1,1,1 Trichloroethane, High/Med Level | ug/Kg | 7.900 | U | | | | | | | |
| 1,1 Dichloropropene, High/Med Level | ug/Kg | 20.900 | U | | | | | | | |
| Carbon tetrachloride, High/Med Level | ug/Kg | 29.300 | U | | | | | | | |
| Benzene, High/Med Level | ug/Kg | 4.400 | U | | | | | | | |
| 1,2 Dichloroethane, High/Med Level | ug/Kg | 12.700 | U | | | | | | | |
| Trichloroethene, High/Med Level | ug/Kg | 10.900 | U | | | | | | | |
| 1,2 Dichloropropane, High/Med Level | ug/Kg | 12.900 | U | | | | | | | |
| Dibromomethane, High/Med Level | ug/Kg | 14.800 | U | | | | | | | |
| Bromodichloromethane, High/Med Level | ug/Kg | 8.600 | U | | | | | | | |
| [illegible] 1,3 Dichloropropene, High/Med Leve | ug/Kg | 9.300 | U | | | | | | | |
| 4 Methyl 2 pentanone (MIBK), High/Med | ug/Kg | 63.500 | U | | | | | | | |
| Toluene, High/Med Level | ug/Kg | 5.800 | U | | | | | | | |
| Trans 1,3 Dichloropropene, High/Med Le | ug/Kg | 18.600 | U | | | | | | | |
| 1,1,2 Trichloroethane, High/Med Level | ug/Kg | 16.500 | U | | | | | | | |
| Tetrachloroethene, High/Med Level | ug/Kg | 19.300 | U | | | | | | | |
| 2 Hexanone, High/Med Level | ug/Kg | 16.[illegible] | U | | | | | | | |
| Chlorodibromomethane, High/Med Level | ug/Kg | 41.[illegible] | U | | | | | | | |
| 1,3 Dichloropropane, High/Med Level | ug/Kg | 13.[illegible] | U | | | | | | | |
| 1,2 Dibromoethane (EDB), High/Med Leve | ug/Kg | 66.5[illegible] | U | | | | | | | |
| Chlorobenzene, High/Med Level | ug/Kg | 12.0[illegible] | U | | | | | | | |
| 1,1,1,2 Tetrachloroethane, High/Med Le | ug/Kg | 11.[illegible] | U | | | | | | | |
| Ethylbenzene, High/Med Level | ug/Kg | 8.60[illegible] | U | | | | | | | |
| m,p Xylene, High/Med Level | ug/Kg | 14.3[illegible] | U | | | | | | | |
| o Xylene, High/Med Level | ug/Kg | 7.[illegible] | U | | | | | | | |
| Styrene, High/Med Level | ug/Kg | 16.[illegible] | U | | | | | | | |
| Bromoform, High/Med Level | ug/Kg | 17.[illegible] | U | | | | | | | |
| 1,1,2,2 Tetrachloroethane, High/Med Level | ug/Kg | 21.5[illegible] | U | | | | | | | |
| Isopropylbenzene, High/Med Level | ug/Kg | 11.4[illegible] | U | | | | | | | |
| 1,2,3 Trichloropropane, High/Med Le | ug/Kg | 13.5[illegible] | | | | | | | | |
| n Propylbenzene, High/Med Level | ug/Kg | 23.4[illegible] | U | | | | | | | |
| Bromobenzene, High/Med Level | ug/Kg | 11.9[illegible] | U | | | | | | | |
| 2 Chlorotoluene, High/Med Level | ug/Kg | 14.6[illegible] | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 148826-019 | | 05/15/2005 | 0938 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, High/Med Level | ug/Kg | 27.300 | U | | | | | | | |
| 4-Chlorotoluene, High/Med Level | ug/Kg | 32.100 | U | | | | | | | |
| tert-Butylbenzene, High/Med Level | ug/Kg | 29.200 | U | | | | | | | |
| 1,2,4-Trimethylbenzene, High/Med Level | ug/Kg | 24.700 | U | | | | | | | |
| sec-Butylbenzene, High/Med Level | ug/Kg | 29.400 | U | | | | | | | |
| 1,3-Dichlorobenzene, High/Med Level | ug/Kg | 27.400 | U | | | | | | | |
| p Isopropyltoluene, High/Med Level | ug/Kg | 33.400 | U | | | | | | | |
| 1,4-Dichlorobenzene, High/Med Level | ug/Kg | 23.700 | U | | | | | | | |
| n Butylbenzene, High/Med Level | ug/Kg | 43.700 | U | | | | | | | |
| 1,2-Dichlorobenzene, High/Med Level | ug/Kg | 25.400 | U | | | | | | | |
| 1,2 Dibromo-3-chloropropane, High/Med | ug/Kg | 34.900 | U | | | | | | | |
| 1,2,4 Trichlorobenzene, High/Med Level | ug/Kg | 64.400 | U | | | | | | | |
| Hexachlorobutadiene, High/Med Level | ug/Kg | 39.100 | U | | | | | | | |
| 1,2,3 Trichlorobenzene, High/Med Level | ug/Kg | 49.200 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V05E16DSB | 149003-008 | | 05/17/2005 | 0826 |

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 149006

Analyst...: jdn

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, High/Med Leve | ug/Kg | 1656.245 | 1896.535 | 2500.000 | 22.300 | U 66 14 | % R | 29-135 30 | |
| Chloromethane, High/Med Level | ug/Kg | 1569.250 | 1802.535 | 2500.000 | 20.400 | U 63 14 | % R | 55-129 30 | |
| Vinyl chloride, High/Med Level | ug/Kg | 1817.350 | 1937.935 | 2500.000 | 12.600 | U 73 6 | % R | 61-135 30 | |
| Bromomethane, High/Med Level | ug/Kg | 854.900 | 2230.330 | 2500.000 | 48.400 | U 34 89 | % R | 36-164 30 | * * |
| Chloroethane, High/Med Level | ug/Kg | 2249.975 | 2240.020 | 2500.000 | 19.200 | U 90 0 | % R | 33-207 30 | |
| Trichlorofluoromethane, High/Med Level | ug/Kg | 1985.680 | 2319.790 | 2500.000 | 16.800 | U 79 16 | % R | 59-145 30 | |
| 1,1 Dichloroethene, High/Med Level | ug/Kg | 2699.415 | 2605.305 | 2500.000 | 13.700 | U 108 4 | % R | 44-143 30 | |
| Carbon disulfide, High/Med Level | ug/Kg | 2679.370 | 2595.820 | 2500.000 | 8.900 | U 107 3 | % R | 21-124 30 | |
| Acetone, High/Med Level | ug/Kg | 3223.715 | 3127.210 | 2500.000 | 61.300 | U 129 3 | % R | 34-143 30 | |
| Methylene chloride, High/Med Level | ug/Kg | 2195.985 | 2149.700 | 2500.000 | 29.500 | U 88 2 | % R | 57-129 30 | |
| trans 1,2 Dichloroethene, High/Med Lev | ug/Kg | 2536.910 | 2480.490 | 2500.000 | 9.800 | U 101 2 | % R | 66-138 30 | |
| Methyl tert butyl ether (MTBE), High/M | ug/Kg | 2189.285 | 2317.890 | 2500.000 | 12.000 | U 88 6 | % R | 47-126 30 | |
| 1,1 Dichloroethane, High/Med Level | ug/Kg | 2399.010 | 2436.535 | 2500.000 | 9.800 | U 96 2 | % R | 68-119 30 | |
| 2,2 Dichloropropane, High/Med Level, | ug/Kg | 2293.960 | 2656.895 | 2500.000 | 9.700 | U 92 15 | % R | 41-131 30 | |
| cis 1,2 Dichloroethene, High/Med Level | ug/Kg | 2467.345 | 2339.060 | 2500.000 | 13.800 | U 99 5 | % R | 64-144 30 | |
| 2 Butanone (MEK), High/Med Level, | ug/Kg | 2441.495 | 2511.985 | 2500.000 | 55.400 | U 98 3 | % R | 40-125 30 | |
| Bromochloromethane, High/Med Level | ug/Kg | 2171.085 | 2289.730 | 2500.000 | 16.000 | U 87 5 | % R | 60-124 30 | |
| Chloroform, High/Med Level | ug/Kg | 2284.035 | 2463.815 | 2500.000 | 9.800 | U 91 8 | % R | 61-129 30 | |
| 1,1,1 Trichloroethane, High/Med Level | ug/Kg | 2526.340 | 2643.830 | 2500.000 | 7.900 | U 101 12 | % R | 69-133 30 | |
| 1,1 Dichloropropene, High/Med Level | ug/Kg | 2491.351 | 2561.625 | 2500.000 | 20.900 | U 100 3 | % R | 65-134 30 | |
| Carbon tetrachloride, High/Med Level | ug/Kg | 2707.921 | 3216.720 | 2500.000 | 29.300 | U 108 17 | % R | 59-127 30 | |
| Benzene, High/Med Level | ug/Kg | 2553.295 | 2525.910 | 2500.000 | 4.400 | U 102 1 | % R | 67-122 30 | |
| 1,2 Dichloroethane, High/Med Level | ug/Kg | 2023.301 | 2455.305 | 2500.000 | 12.700 | U 81 19 | % R | 64-115 30 | |
| Trichloroethene, High/Med Level | ug/Kg | 2600.585 | 2657.375 | 2500.000 | 10.900 | U 112 5 | % R | 70-123 30 | |
| 1,2 Dichloropropane, High/Med Level | ug/Kg | 2312.421 | 2209.990 | 2500.000 | 12.900 | U 92 5 | % R | 70-122 30 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V05E16DSB | 149003-008 | | 05/17/2005 | 0826 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dibromomethane, High/Med Level | ug/Kg | 2127.915 | 2275.840 | 2500.000 | 14.800 | U 85.7 | % R | 67-121 30 | |
| Bromodichloromethane, High/Med Level | ug/Kg | 2430.185 | 2807.985 | 2500.000 | 8.600 | U 97.14 | % R | 66-128 30 | |
| cis-1,3-Dichloropropene, High/Med Leve | ug/Kg | 2297.485 | 2316.780 | 2600.000 | 9.300 | U 88.1 | % R | 68-123 30 | |
| 4-Methyl-2-pentanone (MIBK), High/Med | ug/Kg | 2346.285 | 2218.560 | 2500.000 | 63.500 | U 94.6 | % R | 54-119 30 | |
| Toluene, High/Med Level | ug/Kg | 2641.515 | 2594.900 | 2500.000 | 5.800 | U 106.2 | % R | 72-123 30 | |
| trans 1,3 Dichloropropene, High/Med Le | ug/Kg | 2018.745 | 2170.545 | 2400.000 | 18.600 | U 84.7 | % R | 60-115 30 | |
| 1,1,2-Trichloroethane, High/Med Level | ug/Kg | 2048.085 | 1976.515 | 2500.000 | 16.500 | U 82.4 | % R | 67-133 30 | |
| Tetrachloroethene, High/Med Level | ug/Kg | 2931.655 | 2948.055 | 2500.000 | 19.300 | U 117.1 | % R | 75-125 30 | |
| 1,3 Dichloropropane, High/Med Level | ug/Kg | 2274.775 | 2253.990 | 2500.000 | 15.000 | U 91.1 | % R | 71-118 30 | |
| 2 Hexanone, High/Med Level | ug/Kg | 3079.935 | 2878.950 | 2500.000 | 61.500 | U 123.7 | % R | 50-116 30 | * |
| Dibromochloromethane, High/Med Level | ug/Kg | 2287.910 | 2367.485 | 2500.000 | 13.000 | U 92.3 | % R | 70-119 30 | |
| 1,2 Dibromoethane (EDB), High/Med Leve | ug/Kg | 2186.300 | 2162.125 | 2500.000 | 66.500 | U 87.1 | % R | 69-122 30 | |
| Chlorobenzene, High/Med Level | ug/Kg | 2548.285 | 2525.045 | 2500.000 | 12.200 | U 102.1 | % R | 80-125 30 | |
| 1,1,1,2 Tetrachloroethane, High/Med Le | ug/Kg | 2580.865 | 2772.895 | 2500.000 | 10.200 | U 103.7 | % R | 74-120 30 | |
| Ethylbenzene, High/Med Level | ug/Kg | 2682.720 | 2667.250 | 2500.000 | 8.600 | U 107.1 | % R | 78-128 30 | |
| m,p-Xylene, High/Med Level | ug/Kg | 5314.850 | 5628.900 | 5000.000 | 14.300 | U 106.6 | % R | 76-133 30 | |
| o-Xylene, High/Med Level | ug/Kg | 2683.830 | 2744.935 | 2500.000 | 7.100 | U 107.2 | % R | 74-127 30 | |
| Styrene, High/Med Level | ug/Kg | 2465.835 | 2481.655 | 2500.000 | 16.000 | U 99.1 | % R | 80-129 30 | |
| Bromoform, High/Med Level | ug/Kg | 2165.005 | 2345.725 | 2500.000 | 17.700 | U 87.8 | % R | 70-123 30 | |
| Isopropylbenzene, High/Med Level | ug/Kg | 2654.330 | 2545.760 | 2500.000 | 20.500 | U 106.4 | % R | 67-133 30 | |
| Bromobenzene, High/Med Level | ug/Kg | 2569.485 | 2490.480 | 2500.000 | 15.600 | U 103.3 | % R | 74-133 30 | |
| 1,1,2,2 Tetrachloroethane, High/Med Le | ug/Kg | 2263.240 | 2258.860 | 2500.000 | 13.500 | U 91.0 | % R | 70-126 30 | |
| 1,2,3 Trichloropropane, High/Med Level | ug/Kg | 25.832 J | 2486.145 | 2500.000 | 23.400 | U 1.196 | % R | 64-118 30 | * * |
| n-Propylbenzene, High/Med Level | ug/Kg | 2780.530 | 2743.295 | 2500.000 | 31.900 | U 111.1 | % R | 69-130 30 | |
| 2-Chlorotoluene, High/Med Level | ug/Kg | 2730.305 | 2718.675 | 2500.000 | 24.600 | U 109.0 | % R | 62-134 30 | |
| 1,3,5-Trimethylbenzene, High/Med Level | ug/Kg | 2804.125 | 2777.015 | 2500.000 | 27.300 | U 112.1 | % R | 66-125 30 | |
| 4-Chlorotoluene, High/Med Level | ug/Kg | 2609.650 | 2677.140 | 2500.000 | 32.100 | U 104.3 | % R | 66-131 30 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date Time |
|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V05E16DSB | 149003-008 | | 05/17/2005 . 0826 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| tert-Butylbenzene, High/Med Level | ug/Kg | 3014.355 | 2941.050 | 2500.000 | 29.200 | U 121.2 | % R | 71-125 30 | |
| 1,2,4-Trimethylbenzene, High/Med Level | ug/Kg | 2769.305 | 2793.485 | 2500.000 | 24.700 | U 111.1 | % R | 69-122 30 | |
| sec-Butylbenzene, High/Med Level | ug/Kg | 2978.930 | 2863.980 | 2500.000 | 29.400 | U 119.4 | % R | 69-139 30 | |
| 1,3-Dichlorobenzene, High/Med Level | ug/Kg | 2460.025 | 2470.195 | 2500.000 | 27.400 | U 98.0 | % R | 75-119 30 | |
| p-Isopropyltoluene, High/Med Level | ug/Kg | 2775.100 | 2689.495 | 2500.000 | 33.400 | U 111.3 | % R | 68-129 30 | |
| 1,4-Dichlorobenzene, High/Med Level | ug/Kg | 2380.165 | 2414.545 | 2500.000 | 23.700 | U 95.1 | % R | 76-127 30 | |
| n-Butylbenzene, High/Med Level | ug/Kg | 2803.395 | 2812.655 | 2500.000 | 43.700 | U 112.0 | % R | 64-118 30 | |
| 1,2-Dichlorobenzene, High/Med Level | ug/Kg | 2416.640 | 2458.640 | 2500.000 | 25.400 | U 97.2 | % R | 76-125 30 | |
| 1,2-Dibromo-3-chloropropane, High/Med | ug/Kg | 2153.195 | 2346.190 | 2500.000 | 34.900 | U 86.9 | % R | 56-102 30 | |
| 1,2,4-Trichlorobenzene, High/Med Level | ug/Kg | 2381.700 | 2285.465 | 2500.000 | 64.400 | U 95.4 | % R | 61-117 30 | |
| Hexachlorobutadiene, High/Med Level | ug/Kg | 2766.525 | 2729.640 | 2500.000 | 39.100 | U 111.1 | % R | 63-126 30 | |
| 1,2,3-Trichlorobenzene, High/Med Level | ug/Kg | 2254.480 | 2224.670 | 2500.000 | 49.200 | U 90.1 | % R | 68-117 30 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B | Equipment Code....: GCL6 | Analyst...: jdn
Method Description.: Volatile Organics | Batch.....: 149006

| LCS | Laboratory Control Sample | V05E16DSB | 149003-007 | | 05/16/2005 | 2214 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, High/Med Leve | ug/Kg | 1896.535 | | 2500.000 | 22.300 | U 76 | % | 29-135 | |
| Chloromethane, High/Med Level | ug/Kg | 1802.535 | | 2500.000 | 20.400 | U 72 | % | 55-129 | |
| Vinyl chloride, High/Med Level | ug/Kg | 1937.935 | | 2500.000 | 12.600 | U 78 | % | 61-135 | |
| Bromomethane, High/Med Level | ug/Kg | 2230.330 | | 2500.000 | 48.400 | U 89 | % | 36-164 | |
| Chloroethane, High/Med Level | ug/Kg | 2240.020 | | 2500.000 | 19.200 | U 90 | % | 33-207 | |
| Trichlorofluoromethane, High/Med Level | ug/Kg | 2319.790 | | 2500.000 | 16.800 | U 93 | % | 59-145 | |
| 1,1 Dichloroethene, High/Med Level | ug/Kg | 2605.305 | | 2500.000 | 13.700 | U 104 | % | 44-143 | |
| Carbon disulfide, High/Med Level | ug/Kg | 2595.820 | | 2500.000 | 8.900 | U 104 | % | 21-124 | |
| Acetone, High/Med Level | ug/Kg | 3127.210 | | 2500.000 | 61.300 | U 125 | % | 34-143 | |
| Methylene chloride, High/Med Level | ug/Kg | 2149.700 | | 2500.000 | 29.500 | U 86 | % | 57-129 | |
| trans 1,2 Dichloroethene, High/Med Lev | ug/Kg | 2480.490 | | 2500.000 | 9.800 | U 99 | % | 66-138 | |
| Methyl tert butyl ether (MTBE), High/M | ug/Kg | 2317.890 | | 2500.000 | 12.000 | U 93 | % | 47-126 | |
| 1,1 Dichloroethane, High/Med Level | ug/Kg | 2436.535 | | 2500.000 | 9.800 | U 97 | % | 68-119 | |
| 2,2 Dichloropropane, High/Med Level | ug/Kg | 2656.895 | | 2500.000 | 9.700 | U 106 | % | 41-131 | |
| cis 1,2 Dichloroethene, High/Med Level | ug/Kg | 2339.060 | | 2500.000 | 13.800 | U 94 | % | 64-144 | |
| 2 Butanone (MEK), High/Med Level | ug/Kg | 2511.985 | | 2500.000 | 55.400 | U 100 | % | 40-125 | |
| Bromochloromethane, High/Med Level | ug/Kg | 2289.730 | | 2500.000 | 16.000 | U 92 | % | 60-124 | |
| Chloroform, High/Med Level | ug/Kg | 2463.815 | | 2500.000 | 9.800 | U 99 | % | 61-129 | |
| 1,1,1 Trichloroethane, High/Med Level | ug/Kg | 2843.830 | | 2500.000 | 7.900 | U 114 | % | 69-133 | |
| 1,1 Dichloropropene, High/Med Level | ug/Kg | 2561.625 | | 2500.000 | 20.900 | U 102 | % | 65-134 | |
| Carbon tetrachloride, High/Med Level | ug/Kg | 3216.720 | | 2500.000 | 29.300 | U 129 | % | 59-127 | * |
| Benzene, High/Med Level | ug/Kg | 2525.910 | | 2500.000 | 4.400 | U 101 | % | 67-122 | |
| 1,2 Dichloroethane, High/Med Level | ug/Kg | 2455.305 | | 2500.000 | 12.700 | U 98 | % | 64-115 | |
| Trichloroethene, High/Med Level | ug/Kg | 2657.375 | | 2500.000 | 10.900 | U 106 | % | 70-123 | |
| 1,2 Dichloropropane, High/Med Level | ug/Kg | 2209.990 | | 2500.000 | 12.900 | U 88 | % | 70-122 | |
| Bromodichloromethane, High/Med Level | ug/Kg | 2275.840 | | 2500.000 | 14.800 | U 91 | % | 67-121 | |
| cis 1,3 Dichloropropene, High/Med Level | ug/Kg | 2807.985 | | 2500.000 | 8.600 | U 112 | % | 66-128 | |
| Toluene, High/Med Level | ug/Kg | 2316.790 | | 2600.000 | 9.300 | U 89 | % | 68-123 | |
| 4 Methyl 2 pentanone (MIBK), High/Med | ug/Kg | 2218.560 | | 2500.000 | 63.500 | U 89 | % | 54-119 | |
| Tetrachloroethene, High/Med Level | ug/Kg | 2594.900 | | 2500.000 | 5.800 | U 104 | % | 72-123 | |
| trans 1,3 Dichloropropene, High/Med Le | ug/Kg | 2170.545 | | 2400.000 | 18.600 | U 90 | % | 60-115 | |
| 1,1,2 Trichloroethane, High/Med Level | ug/Kg | 1976.515 | | 2500.000 | 16.500 | U 79 | % | 67-133 | |
| Tetrachloroethene, High/Med Level | ug/Kg | 2948.055 | | 2500.000 | 19.300 | U 118 | % | 75-125 | |
| 1,3 Dichloropropane, High/Med Level | ug/Kg | 2253.990 | | 2500.000 | 15.000 | U 90 | % | 71-118 | |
| 2 Hexanone, High/Med Level | ug/Kg | 2878.950 | | 2500.000 | 61.500 | U 115 | % | 50-116 | |
| Dibromochloromethane, High/Med Level | ug/Kg | 2367.485 | | 2500.000 | 13.000 | U 95 | % | 70-119 | |
| 1,2 Dibromoethane (EDB), High/Med Leve | ug/Kg | 2162.125 | | 2500.000 | 66.500 | U 86 | % | 69-122 | |
| Chlorobenzene, High/Med Level | ug/Kg | 2525.045 | | 2500.000 | 12.200 | U 101 | % | 80-125 | |
| 1,1,1,2 Tetrachloroethane, High/Med Le | ug/Kg | 2772.895 | | 2500.000 | 10.200 | U 111 | % | 74-120 | |
| Ethylbenzene, High/Med Level | ug/Kg | 2667.250 | | 2500.000 | 8.600 | U 107 | % | 78-128 | |
| m,p Xylene, High/Med Level | ug/Kg | 5628.900 | | 5000.000 | 14.300 | U 113 | % | 76-133 | |
| o Xylene, High/Med Level | ug/Kg | 2744.935 | | 2500.000 | 7.100 | U 110 | % | 74-127 | |
| Styrene, High/Med Level | ug/Kg | 2481.655 | | 2500.000 | 16.000 | U 99 | % | 80-129 | |
| Bromoform, High/Med Level | ug/Kg | 2345.725 | | 2500.000 | 17.700 | U 94 | % | 70-123 | |
| 1,1,2,2 Tetrachloroethane, High/Med Leve | ug/Kg | 2545.750 | | 2500.000 | 20.500 | U 102 | % | 67-133 | |
| Isopropylbenzene, High/Med Level | ug/Kg | 2490.485 | | 2500.000 | 15.600 | U 100 | % | 74-133 | |
| 1,1,2,2 Tetrachloroethane, High/Med Le | ug/Kg | 2258.860 | | 2500.000 | 13.500 | U 90 | % | 70-126 | |
| 1,2,3 Trichloropropane, High/Med Level | ug/Kg | 2488.145 | | 2500.000 | 23.400 | U 100 | % | 64-118 | |
| n Propylbenzene, High/Med Level | ug/Kg | 2743.295 | | 2500.000 | 31.900 | U 110 | % | 69-130 | |
| 2 Chlorotoluene, High/Med Level | ug/Kg | 2718.675 | | 2500.000 | 24.600 | U 109 | % | 62-134 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | V05E16DSB | 149003-007 | | 05/16/2005 | 2214 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, High/Med Level | ug/Kg | 2777.015 | | 2500.000 | 27.300 | U 111 | % | 66-125 | |
| 4-Chlorotoluene, High/Med Level | ug/Kg | 2677.140 | | 2500.000 | 32.100 | U 107 | % | 66-131 | |
| tert-Butylbenzene, High/Med Level | ug/Kg | 2941.050 | | 2500.000 | 29.200 | U 118 | % | 71-125 | |
| 1,2,4 Trimethylbenzene, High/Med Level | ug/Kg | 2793.485 | | 2500.000 | 24.700 | U 112 | % | 69-122 | |
| sec-Butylbenzene, High/Med Level | ug/Kg | 2863.980 | | 2500.000 | 29.400 | U 115 | % | 69-139 | |
| 1,3-Dichlorobenzene, High/Med Level | ug/Kg | 2470.195 | | 2500.000 | 27.400 | U 99 | % | 75-119 | |
| p Isopropyltoluene, High/Med Level | ug/Kg | 2689.495 | | 2500.000 | 33.400 | U 108 | % | 68-129 | |
| 1,4-Dichlorobenzene, High/Med Level | ug/Kg | 2414.545 | | 2500.000 | 23.700 | U 97 | % | 76-127 | |
| n Butylbenzene, High/Med Level | ug/Kg | 2812.655 | | 2500.000 | 43.700 | U 113 | % | 64-118 | |
| 1,2 Dichlorobenzene, High/Med Level | ug/Kg | 2458.640 | | 2500.000 | 25.400 | U 98 | % | 76-125 | |
| 1,2 Dibromo-3-chloropropane, High/Med | ug/Kg | 2346.190 | | 2500.000 | 34.900 | U 94 | % | 56-102 | |
| 1,2,4 Trichlorobenzene, High/Med Level | ug/Kg | 2285.465 | | 2500.000 | 64.400 | U 91 | % | 61-117 | |
| Hexachlorobutadiene, High/Med Level | ug/Kg | 2729.640 | | 2500.000 | 39.100 | U 109 | % | 63-126 | |
| 1,2,3-Trichlorobenzene, High/Med Level | ug/Kg | 2224.670 | | 2500.000 | 49.200 | U 89 | % | 68-117 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B | Equipment Code....: GCL6 | Analyst...: jdn
Method Description.: Volatile Organics | Batch.....: 149006

| MB | Method Blank | | 149003-006 | | 05/16/2005 | 2152 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, High/Med Leve | ug/Kg | 22.300 | U | | | | | | | |
| Chloromethane, High/Med Level | ug/Kg | 20.400 | U | | | | | | | |
| Vinyl chloride, High/Med Level | ug/Kg | 12.600 | U | | | | | | | |
| Bromomethane, High/Med Level | ug/Kg | 48.400 | U | | | | | | | |
| Chloroethane, High/Med Level | ug/Kg | 19.200 | U | | | | | | | |
| Trichlorofluoromethane, High/Med Level | ug/Kg | 16.800 | U | | | | | | | |
| 1,1 Dichloroethene, High/Med Level | ug/Kg | 13.700 | U | | | | | | | |
| Carbon disulfide, High/Med Level | ug/Kg | 8.900 | U | | | | | | | |
| Acetone, High/Med Level | ug/Kg | 61.300 | U | | | | | | | |
| Methylene chloride, High/Med Level | ug/Kg | 29.500 | U | | | | | | | |
| trans 1,2 Dichloroethene, High/Med Lev | ug/Kg | 9.800 | U | | | | | | | |
| Methyl tert butyl ether (MTBE), High/M | ug/Kg | 12.000 | U | | | | | | | |
| 1,1 Dichloroethane, High/Med Level | ug/Kg | 9.800 | U | | | | | | | |
| 2,2 Dichloropropane, High/Med Level | ug/Kg | 9.700 | U | | | | | | | |
| cis 1,2 Dichloroethene, High/Med Level | ug/Kg | 13.800 | U | | | | | | | |
| 2 Butanone (MEK), High/Med Level | ug/Kg | 55.400 | U | | | | | | | |
| Bromochloromethane, High/Med Level | ug/Kg | 16.000 | U | | | | | | | |
| Chloroform, High/Med Level | ug/Kg | 9.800 | U | | | | | | | |
| 1,1,1 Trichloroethane, High/Med Level | ug/Kg | 7.900 | U | | | | | | | |
| 1,1 Dichloropropene, High/Med Level | ug/Kg | 20.900 | U | | | | | | | |
| Carbon tetrachloride, High/Med Level | ug/Kg | 29.300 | U | | | | | | | |
| Benzene, High/Med Level | ug/Kg | 4.400 | U | | | | | | | |
| 1,2 Dichloroethane, High/Med Level | ug/Kg | 12.700 | U | | | | | | | |
| Trichloroethene, High/Med Level | ug/Kg | 10.900 | U | | | | | | | |
| 1,2 Dichloropropane, High/Med Level | ug/Kg | 12.900 | U | | | | | | | |
| Dibromomethane, High/Med Level | ug/Kg | 14.800 | U | | | | | | | |
| Bromodichloromethane, High/Med Level | ug/Kg | 8.600 | U | | | | | | | |
| trans 1,3 Dichloropropene, High/Med Leve | ug/Kg | 9.300 | U | | | | | | | |
| 4 Methyl 2 pentanone (MIBK), High/Med | ug/Kg | 63.500 | U | | | | | | | |
| Toluene, High/Med Level | ug/Kg | 5.800 | U | | | | | | | |
| trans 1,3 Dichloropropene, High/Med Le | ug/Kg | 18.600 | U | | | | | | | |
| 1,1,2 Trichloroethane, High/Med Level | ug/Kg | 16.500 | U | | | | | | | |
| Tetrachloroethene, High/Med Level | ug/Kg | 19.300 | U | | | | | | | |
| 1,3 Dichloropropane, High/Med Level | ug/Kg | 15.000 | U | | | | | | | |
| 2 Hexanone, High/Med Level | ug/Kg | 61.900 | U | | | | | | | |
| Dibromochloromethane, High/Med Level | ug/Kg | 13.000 | U | | | | | | | |
| 1,2 Dibromoethane (EDB), High/Med Leve | ug/Kg | 66.500 | U | | | | | | | |
| Chlorobenzene, High/Med Level | ug/Kg | 12.200 | U | | | | | | | |
| 1,1,1,2 Tetrachloroethane, High/Med Le | ug/Kg | 11.200 | U | | | | | | | |
| Ethylbenzene, High/Med Level | ug/Kg | 8.600 | U | | | | | | | |
| m,p Xylene, High/Med Level | ug/Kg | 14.300 | U | | | | | | | |
| [illegible], High/Med Level | ug/Kg | [illegible] | U | | | | | | | |
| [illegible], High/Med Level | ug/Kg | [illegible] | U | | | | | | | |
| [illegible], High/Med Level | ug/Kg | [illegible] | | | | | | | | |
| 1,1,2,2 Tetrachloroethane, High/Med Level | ug/Kg | [illegible] | | | | | | | | |
| o Xylene, High/Med Level | ug/Kg | [illegible] | | | | | | | | |
| 1,2,3 Trichloropropane, High/Med Le | ug/Kg | [illegible] | | | | | | | | |
| Isopropylbenzene, High/Med Level | ug/Kg | 23.400 | U | | | | | | | |
| Bromobenzene, High/Med Level | ug/Kg | 31.900 | U | | | | | | | |
| 2 Chlorotoluene, High/Med Level | ug/Kg | 24.600 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 149003-006 | | 05/16/2005 | 2152 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, High/Med Level | ug/Kg | 27.300 | U | | | | | | | |
| 4-Chlorotoluene, High/Med Level | ug/Kg | 32.100 | U | | | | | | | |
| tert-Butylbenzene, High/Med Level | ug/Kg | 29.200 | U | | | | | | | |
| 1,2,4-Trimethylbenzene, High/Med Level | ug/Kg | 24.700 | U | | | | | | | |
| sec-Butylbenzene, High/Med Level | ug/Kg | 29.400 | U | | | | | | | |
| 1,3-Dichlorobenzene, High/Med Level | ug/Kg | 27.400 | U | | | | | | | |
| p-Isopropyltoluene, High/Med Level | ug/Kg | 33.400 | U | | | | | | | |
| 1,4-Dichlorobenzene, High/Med Level | ug/Kg | 23.700 | U | | | | | | | |
| n-Butylbenzene, High/Med Level | ug/Kg | 43.700 | U | | | | | | | |
| 1,2 Dichlorobenzene, High/Med Level | ug/Kg | 25.400 | U | | | | | | | |
| 1,2 Dibromo 3-chloropropane, High/Med | ug/Kg | 34.900 | U | | | | | | | |
| 1,2,4 Trichlorobenzene, High/Med Level | ug/Kg | 64.400 | U | | | | | | | |
| Hexachlorobutadiene, High/Med Level | ug/Kg | 39.100 | U | | | | | | | |
| 1,2,3 Trichlorobenzene, High/Med Level | ug/Kg | 49.200 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL9
Batch.....: 149030

Analyst...: jdn

| | | | | | | |
|---|---|---|---|---|---|---|
| EB3 | DI Blank | 236435 | 148293-031 | | 05/17/2005 | 0047 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 0.860 | U | | | | | | | |
| Chloromethane, Solid | ug/Kg | 0.720 | U | | | | | | | |
| Vinyl chloride, Solid | ug/Kg | 0.700 | U | | | | | | | |
| Bromomethane, Solid | ug/Kg | 2.700 | U | | | | | | | |
| Chloroethane, Solid | ug/Kg | 3.100 | U | | | | | | | |
| Trichlorofluoromethane, Solid | ug/Kg | 0.950 | U | | | | | | | |
| 1,1-Dichloroethene, Solid | ug/Kg | 1.300 | U | | | | | | | |
| Carbon disulfide, Solid | ug/Kg | 0.690 | U | | | | | | | |
| Acetone, Solid | ug/Kg | 3.200 | U | | | | | | | |
| Methylene chloride, Solid | ug/Kg | 1.600 | U | | | | | | | |
| trans 1,2 Dichloroethene, Solid | ug/Kg | 0.770 | U | | | | | | | |
| Methyl-tert-butyl-ether (MTBE), Solid | ug/Kg | 0.550 | U | | | | | | | |
| 1,1 Dichloroethane, Solid | ug/Kg | 0.590 | U | | | | | | | |
| 2,2-Dichloropropane, Solid | ug/Kg | 1.400 | U | | | | | | | |
| cis 1,2 Dichloroethene, Solid | ug/Kg | 0.560 | U | | | | | | | |
| 2-Butanone (MEK), Solid | ug/Kg | 2.200 | U | | | | | | | |
| Bromochloromethane, Solid | ug/Kg | 0.750 | U | | | | | | | |
| Chloroform, Solid | ug/Kg | 0.680 | U | | | | | | | |
| 1,1,1 Trichloroethane, Solid | ug/Kg | 0.720 | U | | | | | | | |
| 1,1 Dichloropropene, Solid | ug/Kg | 0.700 | U | | | | | | | |
| Carbon tetrachloride, Solid | ug/Kg | 0.730 | U | | | | | | | |
| Benzene, Solid | ug/Kg | 0.690 | U | | | | | | | |
| 1,2 Dichloroethane, Solid | ug/Kg | 0.550 | U | | | | | | | |
| Trichloroethene, Solid | ug/Kg | 0.660 | U | | | | | | | |
| 1,2 Dichloropropane, Solid | ug/Kg | 0.550 | U | | | | | | | |
| Dibromomethane, Solid | ug/Kg | 0.800 | U | | | | | | | |
| Bromodichloromethane, Solid | ug/Kg | 0.570 | U | | | | | | | |
| cis 1,3 Dichloropropene, Solid | ug/Kg | 0.580 | U | | | | | | | |
| 4-Methyl-2-pentanone (MIBK), Solid | ug/Kg | 0.620 | U | | | | | | | |
| Toluene, Solid | ug/Kg | 1.700 | U | | | | | | | |
| trans 1,3 Dichloropropene, Solid | ug/Kg | 0.600 | U | | | | | | | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 0.820 | U | | | | | | | |
| Tetrachloroethene, Solid | ug/Kg | 0.900 | U | | | | | | | |
| 1,3 Dichloropropane, Solid | ug/Kg | 0.610 | U | | | | | | | |
| 2-Hexanone, Solid | ug/Kg | 1.200 | U | | | | | | | |
| Dibromochloromethane, Solid | ug/Kg | 0.690 | U | | | | | | | |
| 1,2 Dibromoethane (EDB), Solid | ug/Kg | 1.640 | U | | | | | | | |
| Chlorobenzene, Solid | ug/Kg | 0.560 | U | | | | | | | |
| 1,1,1,2 Tetrachloroethane, Solid | ug/Kg | 0.600 | U | | | | | | | |
| Ethylbenzene, Solid | ug/Kg | 0.640 | U | | | | | | | |
| m,p-Xylenes, Solid | ug/Kg | 1.200 | U | | | | | | | |
| o-Xylene, Solid | ug/Kg | 0.620 | U | | | | | | | |
| Styrene, Solid | ug/Kg | 0.620 | U | | | | | | | |
| Bromoform, Solid | ug/Kg | 0.740 | U | | | | | | | |
| Isopropylbenzene, Solid | ug/Kg | 0.680 | U | | | | | | | |
| Bromobenzene, Solid | ug/Kg | 0.450 | U | | | | | | | |
| 1,1,2,2 Tetrachloroethane, Solid | ug/Kg | 0.620 | U | | | | | | | |
| 1,2,3 Trichloropropane, Solid | ug/Kg | 1.200 | U | | | | | | | |
| n-Propylbenzene, Solid | ug/Kg | 0.740 | U | | | | | | | |
| 2-Chlorotoluene, Solid | ug/Kg | 0.660 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| EB3 | DI Blank | 236435 | 148293-031 | | 05/17/2005 | .0047 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, Solid | ug/Kg | 0.810 | U | | | | | | | |
| 4-Chlorotoluene, Solid | ug/Kg | 0.690 | U | | | | | | | |
| tert-Butylbenzene, Solid | ug/Kg | 0.780 | U | | | | | | | |
| 1,2,4-Trimethylbenzene, Solid | ug/Kg | 0.850 | U | | | | | | | |
| sec-Butylbenzene, Solid | ug/Kg | 0.840 | U | | | | | | | |
| 1,3-Dichlorobenzene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| p-Isopropyltoluene, Solid | ug/Kg | 0.820 | U | | | | | | | |
| 1,4-Dichlorobenzene, Solid | ug/Kg | 0.700 | U | | | | | | | |
| n Butylbenzene, Solid | ug/Kg | 1.100 | U | | | | | | | |
| 1,2-Dichlorobenzene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| 1,2 Dibromo 3-chloropropane, Solid | ug/Kg | 1.500 | U | | | | | | | |
| 1,2,4 Trichlorobenzene, Solid | ug/Kg | 1.200 | U | | | | | | | |
| Hexachlorobutadiene, Solid | ug/Kg | 2.600 | U | | | | | | | |
| 1,2,3 Trichlorobenzene, Solid | ug/Kg | 1.100 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL9
Batch.....: 149030
Analyst....: jdn

| LCD | Laboratory Control Sample Duplicate | V05E16DSB | 149027-016 | | 05/17/2005 | 0858 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 36.543 | 36.832 | 50.000 | 0.860 | U 73.1 | % | 39-159 | |
| | | | | | | | R | 20 | |
| Chloromethane, Solid | ug/Kg | 45.600 | 44.528 | 50.000 | 0.720 | U 91.2 | % | 42-180 | |
| | | | | | | | R | 20 | |
| Vinyl chloride, Solid | ug/Kg | 36.641 | 38.297 | 50.000 | 0.700 | U 73.4 | % | 49-144 | |
| | | | | | | | R | 20 | |
| Bromomethane, Solid | ug/Kg | 35.559 | 34.070 | 50.000 | 2.700 | U 71.4 | % | 39-165 | |
| | | | | | | | R | 20 | |
| Chloroethane, Solid | ug/Kg | 42.039 | 39.411 | 50.000 | 3.100 | U 84.6 | % | 56-145 | |
| | | | | | | | R | 20 | |
| Trichlorofluoromethane, Solid | ug/Kg | 39.205 | 38.074 | 50.000 | 0.950 | U 78.3 | % | 57-136 | |
| | | | | | | | R | 20 | |
| 1,1-Dichloroethene, Solid | ug/Kg | 55.085 | 58.122 | 50.000 | 1.300 | U 110.5 | % | 47-141 | |
| | | | | | | | R | 20 | |
| Carbon disulfide, Solid | ug/Kg | 56.708 | 58.523 | 50.000 | 0.690 | U 113.3 | % | 22-118 | |
| | | | | | | | R | 20 | |
| Acetone, Solid | ug/Kg | 87.670 | 88.567 | 50.000 | 3.200 | U 175.1 | % | 50-176 | |
| | | | | | | | R | 20 | |
| Methylene chloride, Solid | ug/Kg | 50.963 | 53.832 | 50.000 | 1.600 | U 102.5 | % | 67-133 | |
| | | | | | | | R | 20 | |
| trans-1,2-Dichloroethene, Solid | ug/Kg | 53.323 | 53.668 | 50.000 | 0.770 | U 107.1 | % | 62-138 | |
| | | | | | | | R | 20 | |
| Methyl tert butyl ether (MTBE), Solid | ug/Kg | 54.391 | 52.352 | 50.000 | 0.550 | U 109.4 | % | 69-155 | |
| | | | | | | | R | 20 | |
| 1,1-Dichloroethane, Solid | ug/Kg | 50.781 | 50.411 | 50.000 | 0.590 | U 102.1 | % | 65-134 | |
| | | | | | | | R | 20 | |
| 2,2-Dichloropropane, Solid | ug/Kg | 49.514 | 49.203 | 50.000 | 1.400 | U 99.1 | % | 70-134 | |
| | | | | | | | R | 20 | |
| cis-1,2-Dichloroethene, Solid | ug/Kg | 51.732 | 51.652 | 50.000 | 0.560 | U 103.0 | % | 74-130 | |
| | | | | | | | R | 20 | |
| 2-Butanone (MEK), Solid | ug/Kg | 62.684 | 62.112 | 50.000 | 2.200 | U 125.1 | % | 41-166 | |
| | | | | | | | R | 30 | |
| Bromochloromethane, Solid | ug/Kg | 50.153 | 51.530 | 50.000 | 0.750 | U 100.3 | % | 61-122 | |
| | | | | | | | R | 20 | |
| Chloroform, Solid | ug/Kg | 51.265 | 50.866 | 50.000 | 0.680 | U 103.1 | % | 73-135 | |
| | | | | | | | R | 20 | |
| 1,1,1-Trichloroethane, Solid | ug/Kg | 51.731 | 49.740 | 50.000 | 0.720 | U 103.4 | % | 71-137 | |
| | | | | | | | R | 20 | |
| [illegible], Solid | ug/Kg | 51.541 | 49.867 | 50.000 | 0.720 | U 101.1 | % | 68-134 | |
| | | | | | | | R | 20 | |
| [illegible], Solid | ug/Kg | 51.521 | 51.454 | 50.000 | 0.730 | U 105.4 | % | 67-130 | |
| | | | | | | | R | 20 | |
| [illegible], Solid | ug/Kg | 53.031 | 52.956 | 50.000 | 0.690 | U 107.1 | % | 72-125 | |
| | | | | | | | R | 20 | |
| [illegible], Solid | ug/Kg | 51.231 | 48.394 | 50.000 | 0.550 | U 100.4 | % | 72-134 | |
| | | | | | | | R | 20 | |
| [illegible], Solid | ug/Kg | 54.212 | 52.830 | 50.000 | 0.660 | U 108.3 | % | 74-124 | |
| | | | | | | | R | 20 | |
| 1,2-Dichloropropane, Solid | ug/Kg | 51.781 | 51.191 | 50.000 | 0.550 | U 104.1 | % | 76-124 | |
| | | | | | | | R | 20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 276327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date Time |
|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V05E16DSB | 149027-016 | | 05/17/2005, 0858 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dibromomethane, Solid | ug/Kg | 48.962 | 48.638 | 50.000 | 0.800 U | 98 1 | % R | 75-122 20 | |
| Bromodichloromethane, Solid | ug/Kg | 54.165 | 53.925 | 50.000 | 0.570 U | 108 0 | % R | 82-131 20 | |
| cis 1,3 Dichloropropene, Solid | ug/Kg | 48.559 | 49.574 | 52.000 | 0.580 U | 93 2 | % R | 78-118 20 | |
| 4 Methyl 2 pentanone (MIBK), Solid | ug/Kg | 48.540 | 46.790 | 50.000 | 0.620 U | 97 4 | % R | 57-144 20 | |
| Toluene, Solid | ug/Kg | 50.794 | 51.610 | 50.000 | 1.700 U | 102 2 | % R | 73-121 20 | |
| trans 1,3 Dichloropropene, Solid | ug/Kg | 43.125 | 44.755 | 48.000 | 0.600 U | 90 4 | % R | 77-127 20 | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 48.534 | 48.606 | 50.000 | 0.820 U | 97 0 | % R | 79-133 20 | |
| Tetrachloroethene, Solid | ug/Kg | 52.664 | 51.326 | 50.000 | 0.900 U | 105 3 | % R | 69-123 20 | |
| 1,3 Dichloropropane, Solid | ug/Kg | 52.060 | 48.223 | 50.000 | 0.610 U | 104 8 | % R | 81-123 20 | |
| 2 Hexanone, Solid | ug/Kg | 55.369 | 59.202 | 50.000 | 1.200 U | 111 7 | % R | 57-148 20 | |
| Dibromochloromethane, Solid | ug/Kg | 51.459 | 50.286 | 50.000 | 0.650 U | 103 2 | % R | 78-125 20 | |
| 1,2 Dibromoethane (EDB), Solid | ug/Kg | 48.576 | 49.335 | 50.000 | 0.640 U | 97 2 | % R | 77-123 20 | |
| Chlorobenzene, Solid | ug/Kg | 51.102 | 50.683 | 50.000 | 0.560 U | 102 1 | % R | 77-115 20 | |
| 1,1,1,2 Tetrachloroethane, Solid | ug/Kg | 53.326 | 51.731 | 50.000 | 0.600 U | 107 3 | % R | 78-126 20 | |
| Ethylbenzene, Solid | ug/Kg | 51.620 | 50.978 | 50.000 | 0.640 U | 103 1 | % R | 73-121 20 | |
| [illegible] | ug/Kg | 99.680 | 98.240 | 100.000 | 1.200 U | 100 1 | % R | 73-122 20 | |
| [illegible] | ug/Kg | 50.582 | 49.817 | 50.000 | 0.620 U | 101 2 | % R | 75-120 20 | |
| [illegible] | ug/Kg | 51.898 | 51.662 | 50.000 | 0.620 U | 102 0 | % R | 76-124 20 | |
| [illegible] | ug/Kg | 50.159 | 49.223 | 50.000 | 0.740 U | 100 2 | % R | 72-132 20 | |
| [illegible] | ug/Kg | 45.315 | 44.565 | 50.000 | 0.680 U | 91 2 | % R | 59-114 20 | |
| [illegible] | ug/Kg | 51.545 | 52.256 | 50.000 | 0.450 U | 103 1 | % R | 75-118 20 | |
| [illegible] | ug/Kg | 46.102 | 47.578 | 50.000 | 0.620 U | 93 3 | % R | 73-125 20 | |
| [illegible] | ug/Kg | 48.409 | 48.822 | 50.000 | 1.200 U | 97 3 | % R | 75-126 20 | |
| [illegible] | ug/Kg | [illegible] | 48.481 | 50.000 | 0.740 U | 95 2 | % R | 66-126 20 | |
| [illegible] | ug/Kg | 49.181 | 47.187 | 50.000 | 0.660 U | 98 4 | % R | 68-126 20 | |
| [illegible] | ug/Kg | [illegible] | 47.964 | 50.000 | 0.810 U | 96 0 | % R | 68-125 20 | |
| [illegible] | ug/Kg | 47.937 | 48.096 | 50.000 | 0.690 U | 96 0 | % R | 70-123 20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V05E16DSB | 149027-016 | | 05/17/2005 | 0858 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| tert-Butylbenzene, Solid | ug/Kg | 48.712 | 48.560 | 50.000 | 0.780 U | 97<br>0 | % | 67-124<br>R 20 | |
| 1,2,4-Trimethylbenzene, Solid | ug/Kg | 47.959 | 47.986 | 50.000 | 0.850 U | 96<br>0 | % | 70-126<br>R 20 | |
| sec-Butylbenzene, Solid | ug/Kg | 48.761 | 48.500 | 50.000 | 0.840 U | 98<br>1 | % | 65-129<br>R 20 | |
| 1,3-Dichlorobenzene, Solid | ug/Kg | 49.649 | 49.143 | 50.000 | 0.720 U | 99<br>1 | % | 71-120<br>R 20 | |
| p-Isopropyltoluene, Solid | ug/Kg | 45.779 | 46.368 | 50.000 | 0.820 U | 92<br>1 | % | 65-121<br>R 20 | |
| 1,4-Dichlorobenzene, Solid | ug/Kg | 48.738 | 48.946 | 50.000 | 0.700 U | 97<br>0 | % | 72-120<br>R 20 | |
| n-Butylbenzene, Solid | ug/Kg | 46.444 | 48.565 | 50.000 | 1.100 U | 93<br>4 | % | 64-133<br>R 20 | |
| 1,2 Dichlorobenzene, Solid | ug/Kg | 49.925 | 49.729 | 50.000 | 0.720 U | 100<br>0 | % | 75-117<br>R 20 | |
| 1,2 Dibromo 3 chloropropane, Solid | ug/Kg | 44.220 | 42.919 | 50.000 | 1.500 U | 88<br>3 | % | 61-133<br>R 20 | |
| 1,2,4 Trichlorobenzene, Solid | ug/Kg | 44.598 | 46.418 | 50.000 | 1.200 U | 89<br>4 | % | 61-132<br>R 20 | |
| Hexachlorobutadiene, Solid | ug/Kg | 47.897 | 51.127 | 50.000 | 2.600 U | 96<br>7 | % | 50-154<br>R 20 | |
| 1,2,3 Trichlorobenzene, Solid | ug/Kg | 45.444 | 46.420 | 50.000 | 1.100 U | 91<br>6 | % | 65-127<br>R 20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL9
Batch.....: 149030

Analyst...: jdn

| LCS | Laboratory Control Sample | V05E16DSB | 149027-015 | | 05/16/2005 | 2349 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 36.832 | | 50.000 | 0.860 | U 74 | % | 39-159 | |
| Chloromethane, Solid | ug/Kg | 44.528 | | 50.000 | 0.720 | U 89 | % | 42-180 | |
| Vinyl chloride, Solid | ug/Kg | 38.297 | | 50.000 | 0.700 | U 77 | % | 49-144 | |
| Bromomethane, Solid | ug/Kg | 34.070 | | 50.000 | 2.700 | U 68 | % | 39-165 | |
| Chloroethane, Solid | ug/Kg | 39.411 | | 50.000 | 3.100 | U 79 | % | 56-145 | |
| Trichlorofluoromethane, Solid | ug/Kg | 38.074 | | 50.000 | 0.950 | U 76 | % | 57-136 | |
| 1,1 Dichloroethene, Solid | ug/Kg | 58.122 | | 50.000 | 1.300 | U 116 | % | 47-141 | |
| Carbon disulfide, Solid | ug/Kg | 58.523 | | 50.000 | 0.690 | U 117 | % | 22-118 | |
| Acetone, Solid | ug/Kg | 88.567 | | 50.000 | 3.200 | U 177 | % | 50-176 | * |
| Methylene chloride, Solid | ug/Kg | 53.832 | | 50.000 | 1.600 | U 108 | % | 67-133 | |
| trans 1,2 Dichloroethene, Solid | ug/Kg | 53.668 | | 50.000 | 0.770 | U 107 | % | 62-138 | |
| Methyl tert butyl ether (MTBE), Solid | ug/Kg | 52.352 | | 50.000 | 0.550 | U 105 | % | 69-155 | |
| 1,1 Dichloroethane, Solid | ug/Kg | 50.411 | | 50.000 | 0.590 | U 101 | % | 65-134 | |
| 2,2 Dichloropropane, Solid | ug/Kg | 49.203 | | 50.000 | 1.400 | U 98 | % | 70-134 | |
| cis 1,2 Dichloroethene, Solid | ug/Kg | 51.652 | | 50.000 | 0.560 | U 103 | % | 74-130 | |
| 2 Butanone (MEK), Solid | ug/Kg | 62.112 | | 50.000 | 2.200 | U 124 | % | 41-166 | |
| Bromochloromethane, Solid | ug/Kg | 51.530 | | 50.000 | 0.750 | U 103 | % | 61-122 | |
| Chloroform, Solid | ug/Kg | 50.866 | | 50.000 | 0.680 | U 102 | % | 73-135 | |
| 1,1,1 Trichloroethane, Solid | ug/Kg | 49.741 | | 50.000 | 0.720 | U 99 | % | 71-137 | |
| [illegible], Solid | ug/Kg | 49.867 | | 50.000 | 0.720 | U 100 | % | 68 134 | |
| Carbon Tetrachloride, Solid | ug/Kg | 50.654 | | 50.000 | 0.730 | U 101 | % | 67 130 | |
| Benzene, Solid | ug/Kg | 52.956 | | 50.000 | 0.690 | U 106 | % | 72 125 | |
| 1,2 Dichloroethane, Solid | ug/Kg | 48.394 | | 50.000 | 0.550 | U 97 | % | 72 134 | |
| Trichloroethene, Solid | ug/Kg | 52.830 | | 50.000 | 0.660 | U 106 | % | 74-124 | |
| 1,2 Dichloropropane, Solid | ug/Kg | 51.191 | | 50.000 | 0.550 | U 102 | % | 76 124 | |
| Bromodichloromethane, Solid | ug/Kg | 48.638 | | 50.000 | 0.800 | U 97 | % | 75 122 | |
| Dibromochloromethane, Solid | ug/Kg | 53.925 | | 50.000 | 0.570 | U 108 | % | 82 131 | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 49.574 | | 52.000 | 0.580 | U 95 | % | 78 118 | |
| 4 Methyl 2 pentanone (MIBK), Solid | ug/Kg | 46.790 | | 50.000 | 0.620 | U 94 | % | 57 144 | |
| [illegible] | ug/Kg | 51.610 | | 50.000 | 1.700 | U 103 | % | 73 121 | |
| Trans 1,3 Dichloropropene, Solid | ug/Kg | 44.755 | | 48.000 | 0.600 | U 93 | % | 77 127 | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 48.606 | | 50.000 | 0.820 | U 97 | % | 79 133 | |
| [illegible], Solid | ug/Kg | 51.326 | | 50.000 | 0.900 | U 103 | % | 69 123 | |
| [illegible], Solid | ug/Kg | 48.22[illegible] | | 50.000 | 0.610 | U 96 | % | 81 123 | |
| [illegible], Solid | ug/Kg | 54.[illegible] | | 50.000 | 1.200 | U 118 | % | 57 148 | |
| [illegible], Solid | ug/Kg | [illegible] | | 50.000 | 0.650 | U 101 | % | 78 125 | |
| [illegible], Solid | ug/Kg | 49.[illegible] | | 50.000 | 0.640 | U 99 | % | 77 123 | |
| Benzene, Solid | ug/Kg | 51.6[illegible] | | 50.000 | 0.560 | U 101 | % | 77 115 | |
| [illegible] 1,2 Dichloroethane, Solid | ug/Kg | 51.7[illegible] | | 50.000 | 0.600 | U 103 | % | 76 126 | |
| [illegible], Solid | ug/Kg | 51.97[illegible] | | 50.000 | 0.640 | U 102 | % | 73 121 | |
| [illegible], Solid | ug/Kg | 98.24 | | 100.000 | 1.200 | U 98 | % | 73 122 | |
| [illegible] | ug/Kg | 49.817 | | 50.000 | 0.620 | U 100 | % | 75 120 | |
| [illegible] | ug/Kg | 51.602 | | 50.000 | 0.620 | U 102 | % | 76 124 | |
| [illegible], Solid | ug/Kg | 49.2[illegible] | | 50.000 | 0.740 | U 98 | % | 72 132 | |
| [illegible], Solid | ug/Kg | 44.5[illegible] | | 50.000 | 0.680 | U 89 | % | 59 114 | |
| [illegible], Solid | ug/Kg | 52.2[illegible] | | 50.000 | 0.450 | U 105 | % | 75 118 | |
| [illegible] 1,2 Dichloroethane, Solid | ug/Kg | 47.5[illegible] | | 50.000 | 0.620 | U 95 | % | 73 125 | |
| [illegible], Solid | ug/Kg | 46.811 | | 50.000 | 1.200 | U 94 | % | 75 126 | |
| [illegible], Solid | ug/Kg | 48.481 | | 50.000 | 0.740 | U 97 | % | 66 126 | |
| [illegible], Solid | ug/Kg | 47.1[illegible] | | 50.000 | 0.660 | U 94 | % | 68 126 | |



* =% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | V05E16DSB | 149027-015 | | 05/16/2005 | 2349 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, Solid | ug/Kg | 47.964 | | 50.000 | 0.810 | U 96 | % | 68-125 | |
| 4-Chlorotoluene, Solid | ug/Kg | 48.096 | | 50.000 | 0.690 | U 96 | % | 70-123 | |
| tert-Butylbenzene, Solid | ug/Kg | 48.560 | | 50.000 | 0.780 | U 97 | % | 67-124 | |
| 1,2,4-Trimethylbenzene, Solid | ug/Kg | 47.986 | | 50.000 | 0.850 | U 96 | % | 70-126 | |
| sec-Butylbenzene, Solid | ug/Kg | 48.500 | | 50.000 | 0.840 | U 97 | % | 65-129 | |
| 1,3 Dichlorobenzene, Solid | ug/Kg | 49.143 | | 50.000 | 0.720 | U 98 | % | 71-120 | |
| p Isopropyltoluene, Solid | ug/Kg | 46.368 | | 50.000 | 0.820 | U 93 | % | 65-121 | |
| 1,4-Dichlorobenzene, Solid | ug/Kg | 48.946 | | 50.000 | 0.700 | U 98 | % | 72-120 | |
| n-Butylbenzene, Solid | ug/Kg | 48.565 | | 50.000 | 1.100 | U 97 | % | 64-133 | |
| 1,2 Dichlorobenzene, Solid | ug/Kg | 49.729 | | 50.000 | 0.720 | U 99 | % | 75-117 | |
| 1,2-Dibromo-3-chloropropane, Solid | ug/Kg | 42.919 | | 50.000 | 1.500 | U 86 | % | 61-133 | |
| 1,2,4 Trichlorobenzene, Solid | ug/Kg | 46.418 | | 50.000 | 1.200 | U 93 | % | 61-132 | |
| Hexachlorobutadiene, Solid | ug/Kg | 51.127 | | 50.000 | 2.600 | U 102 | % | 50-154 | |
| 1,2,3 Trichlorobenzene, Solid | ug/Kg | 48.420 | | 50.000 | 1.100 | U 97 | % | 65-127 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL9
Batch.....: 149030

Analyst...: jdn

| MB | Method Blank | | 149027-014 | | 05/16/2005 | 2319 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane, Solid | ug/Kg | 0.860 | U | | | | | | |
| Chloromethane, Solid | ug/Kg | 0.720 | U | | | | | | |
| Vinyl chloride, Solid | ug/Kg | 0.700 | U | | | | | | |
| Bromomethane, Solid | ug/Kg | 2.700 | U | | | | | | |
| Chloroethane, Solid | ug/Kg | 3.100 | U | | | | | | |
| Trichlorofluoromethane, Solid | ug/Kg | 0.950 | U | | | | | | |
| 1,1 Dichloroethene, Solid | ug/Kg | 1.300 | U | | | | | | |
| Carbon disulfide, Solid | ug/Kg | 0.690 | U | | | | | | |
| Acetone, Solid | ug/Kg | 3.200 | U | | | | | | |
| Methylene chloride, Solid | ug/Kg | 1.600 | U | | | | | | |
| trans 1,2 Dichloroethene, Solid | ug/Kg | 0.770 | U | | | | | | |
| Methyl tert butyl ether (MTBE), Solid | ug/Kg | 0.550 | U | | | | | | |
| 1,1 Dichloroethane, Solid | ug/Kg | 0.590 | U | | | | | | |
| 2,2 Dichloropropane, Solid | ug/Kg | 1.400 | U | | | | | | |
| cis 1,2 Dichloroethene, Solid | ug/Kg | 0.560 | U | | | | | | |
| 2 Butanone (MEK), Solid | ug/Kg | 2.200 | U | | | | | | |
| Bromochloromethane, Solid | ug/Kg | 0.750 | U | | | | | | |
| Chloroform, Solid | ug/Kg | 0.680 | U | | | | | | |
| 1,1,1 Trichloroethane, Solid | ug/Kg | 0.720 | U | | | | | | |
| 1,1 Dichloroethene, Solid | ug/Kg | 0.720 | U | | | | | | |
| Carbon tetrachloride, Solid | ug/Kg | 0.730 | U | | | | | | |
| Benzene, Solid | ug/Kg | 0.690 | U | | | | | | |
| 1,2 Dichloroethane, Solid | ug/Kg | 0.550 | U | | | | | | |
| Trichloroethene, Solid | ug/Kg | 0.660 | U | | | | | | |
| 1,2 Dichloropropane, Solid | ug/Kg | 0.550 | U | | | | | | |
| Bromodichloromethane, Solid | ug/Kg | 0.800 | U | | | | | | |
| cis 1,3 Dichloropropene, Solid | ug/Kg | 0.570 | U | | | | | | |
| trans 1,3 Dichloropropene, Solid | ug/Kg | 0.580 | U | | | | | | |
| 4 Methyl 2 pentanone (MIBK), Solid | ug/Kg | 0.620 | U | | | | | | |
| Toluene, Solid | ug/Kg | 1.700 | U | | | | | | |
| trans 1,3 Dichloropropene, Solid | ug/Kg | 0.600 | U | | | | | | |
| 1,1,2 Trichloroethane, Solid | ug/Kg | 0.820 | U | | | | | | |
| Tetrachloroethene, Solid | ug/Kg | 0.900 | U | | | | | | |
| 2 Hexanone, Solid | ug/Kg | 0.610 | U | | | | | | |
| Dibromochloromethane, Solid | ug/Kg | 1.200 | U | | | | | | |
| 1,2 Dibromoethane (EDB), Solid | ug/Kg | 0.650 | U | | | | | | |
| Chlorobenzene, Solid | ug/Kg | 0.640 | U | | | | | | |
| 1,1,1,2 Tetrachloroethane, Solid | ug/Kg | 0.560 | U | | | | | | |
| Ethylbenzene, Solid | ug/Kg | 0.640 | U | | | | | | |
| m,p Xylene, Solid | ug/Kg | 1.200 | U | | | | | | |
| o Xylene, Solid | ug/Kg | 1.40 | U | | | | | | |
| Styrene, Solid | ug/Kg | 0.620 | U | | | | | | |
| Bromoform, Solid | ug/Kg | 1.740 | U | | | | | | |
| Isopropylbenzene, Solid | ug/Kg | 0.680 | U | | | | | | |
| 1,1,2,2 Tetrachloroethane, Solid | ug/Kg | 1.490 | U | | | | | | |
| 1,2,3 Trichloropropane, Solid | ug/Kg | 1.60 | U | | | | | | |
| 1,4 Dichlorobenzene, Solid | ug/Kg | 1.200 | U | | | | | | |
| Propylbenzene, Solid | ug/Kg | 0.740 | U | | | | | | |
| 1,2 Dichlorobenzene, Solid | ug/Kg | 0.660 | U | | | | | | |



* =% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | | 149027-014 | | 05/16/2005 | 2319 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene, Solid | ug/Kg | 0.810 | U | | | | | | | |
| 4-Chlorotoluene, Solid | ug/Kg | 0.690 | U | | | | | | | |
| tert-Butylbenzene, Solid | ug/Kg | 0.780 | U | | | | | | | |
| 1,2,4-Trimethylbenzene, Solid | ug/Kg | 0.850 | U | | | | | | | |
| sec-Butylbenzene, Solid | ug/Kg | 0.840 | U | | | | | | | |
| 1,3-Dichlorobenzene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| p-Isopropyltoluene, Solid | ug/Kg | 0.820 | U | | | | | | | |
| 1,4 Dichlorobenzene, Solid | ug/Kg | 0.700 | U | | | | | | | |
| n Butylbenzene, Solid | ug/Kg | 1.100 | U | | | | | | | |
| 1,2 Dichlorobenzene, Solid | ug/Kg | 0.720 | U | | | | | | | |
| 1,2-Dibromo 3 chloropropane, Solid | ug/Kg | 1.500 | U | | | | | | | |
| 1,2,4 Trichlorobenzene, Solid | ug/Kg | 1.200 | U | | | | | | | |
| Hexachlorobutadiene, Solid | ug/Kg | 2.600 | U | | | | | | | |
| 1,2,3 Trichlorobenzene, Solid | ug/Kg | 1.100 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B | Equipment Code....: ICP4 | Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) | Batch.....: 148313

| CCB | Continuing Calibration Blank | | 148313-016 | | 05/10/2005 | 1412 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 0.05274 B | | | | | | | |
| Antimony | mg/L | 0.00280 U | | | | | | | |
| Arsenic | mg/L | 0.00210 U | | | | | | | |
| Barium | mg/L | 0.00032 U | | | | | | | |
| Beryllium | mg/L | 0.00022 B | | | | | | | |
| Boron | mg/L | 0.00270 U | | | | | | | |
| Cadmium | mg/L | 0.00036 U | | | | | | | |
| Calcium | mg/L | 0.08253 B | | | | | | | |
| Chromium | mg/L | 0.00130 U | | | | | | | |
| Cobalt | mg/L | 0.00120 U | | | | | | | |
| Copper | mg/L | 0.00210 U | | | | | | | |
| Iron | mg/L | 0.03987 B | | | | | | | |
| Lead | mg/L | 0.00260 U | | | | | | | |
| Magnesium | mg/L | 0.04179 B | | | | | | | |
| Manganese | mg/L | 0.00070 B | | | | | | | |
| Nickel | mg/L | 0.00170 U | | | | | | | |
| Potassium | mg/L | 0.09154 B | | | | | | | |
| Selenium | mg/L | 0.00420 U | | | | | | | |
| Silver | mg/L | 0.00090 U | | | | | | | |
| Sodium | mg/L | 0.43100 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |
| Vanadium | mg/L | 0.00100 U | | | | | | | |
| Zinc | mg/L | 0.00640 U | | | | | | | |

| CCB | Continuing Calibration Blank | | 148313-028 | | 05/10/2005 | 1544 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 0.03676 B | | | | | | | |
| Antimony | mg/L | 0.00280 U | | | | | | | |
| Arsenic | mg/L | 0.00210 U | | | | | | | |
| Barium | mg/L | 0.00032 U | | | | | | | |
| Beryllium | mg/L | 0.00024 B | | | | | | | |
| Boron | mg/L | 0.00270 U | | | | | | | |
| Cadmium | mg/L | 0.00036 U | | | | | | | |
| Calcium | mg/L | 0.06503 B | | | | | | | |
| Chromium | mg/L | 0.00130 U | | | | | | | |
| Cobalt | mg/L | [illegible] U | | | | | | | |
| Copper | mg/L | [illegible] U | | | | | | | |
| | mg/L | [illegible] U | | | | | | | |
| Iron | mg/L | [illegible] U | | | | | | | |
| Magnesium | mg/L | [illegible] B | | | | | | | |
| Manganese | mg/L | [illegible] B | | | | | | | |
| Nickel | mg/L | [illegible] | | | | | | | |
| Potassium | mg/L | [illegible] B | | | | | | | |
| Selenium | mg/L | [illegible] U | | | | | | | |
| Silver | mg/L | [illegible] U | | | | | | | |
| Sodium | mg/L | 0.43100 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| CCB | Continuing Calibration Blank | | 148313-028 | | 05/10/2005 | 1544 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Vanadium | mg/L | 0.00100 U | | | | | | | |
| Zinc | mg/L | 0.00640 U | | | | | | | |

| | | | | |
|---|---|---|---|---|
| CCB | Continuing Calibration Blank | 148313-040 | | 05/10/2005 1712 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 0.02317 B | | | | | | | |
| Antimony | mg/L | 0.00280 U | | | | | | | |
| Arsenic | mg/L | 0.00210 U | | | | | | | |
| Barium | mg/L | 0.00032 U | | | | | | | |
| Beryllium | mg/L | 0.00025 B | | | | | | | |
| Boron | mg/L | 0.00270 U | | | | | | | |
| Cadmium | mg/L | 0.00036 U | | | | | | | |
| Calcium | mg/L | [illegible] U | | | | | | | |
| Chromium | mg/L | 0.00130 U | | | | | | | |
| Cobalt | mg/L | 0.00120 U | | | | | | | |
| Copper | mg/L | 0.00210 U | | | | | | | |
| Iron | mg/L | 0.03390 U | | | | | | | |
| Lead | mg/L | 0.00260 U | | | | | | | |
| Magnesium | mg/L | 0.00950 U | | | | | | | |
| Manganese | mg/L | 0.00088 B | | | | | | | |
| Nickel | mg/L | 0.00170 U | | | | | | | |
| Potassium | mg/L | 0.04577 B | | | | | | | |
| Selenium | mg/L | 0.00420 U | | | | | | | |
| Silver | mg/L | 0.00090 U | | | | | | | |
| Sodium | mg/L | 0.43100 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |
| Vanadium | mg/L | [illegible] U | | | | | | | |
| Zinc | mg/L | [illegible] U | | | | | | | |

| | | | | |
|---|---|---|---|---|
| CCB | Continuing Calibration Blank | 148313-050 | | 05/10/2005 1829 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 0.07441 B | | | | | | | |
| Antimony | mg/L | 0.00280 U | | | | | | | |
| Arsenic | mg/L | 0.00210 U | | | | | | | |
| Barium | mg/L | 0.00032 U | | | | | | | |
| Beryllium | mg/L | 0.00031 B | | | | | | | |
| Boron | mg/L | [illegible] U | | | | | | | |
| Cadmium | mg/L | [illegible] U | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | H |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| Iron | mg/L | [illegible] U | | | | | | | |
| Magnesium | mg/L | 0.07449 B | | | | | | | |
| Manganese | mg/L | 0.00067 B | | | | | | | |
| Nickel | mg/L | 0.00170 U | | | | | | | |
| Potassium | mg/L | 0.04320 U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| CCB | Continuing Calibration Blank | | 148313-050 | | 05/10/2005 | 1829 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Selenium | mg/L | 0.00420 U | | | | | | | |
| Silver | mg/L | 0.00090 U | | | | | | | |
| Sodium | mg/L | 0.43100 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |
| Vanadium | mg/L | 0.00100 U | | | | | | | |
| Zinc | mg/L | 0.00640 U | | | | | | | |

| CCB | Continuing Calibration Blank | | 148313-062 | | 05/10/2005 | 1957 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 0.05782 B | | | | | | | |
| Antimony | mg/L | 0.00280 U | | | | | | | |
| Arsenic | mg/L | 0.00210 U | | | | | | | |
| Barium | mg/L | 0.00032 U | | | | | | | |
| Beryllium | mg/L | 0.00036 B | | | | | | | |
| Boron | mg/L | 0.00270 U | | | | | | | |
| Cadmium | mg/L | 0.00036 U | | | | | | | |
| Calcium | mg/L | 0.07363 B | | | | | | | |
| Chromium | mg/L | 0.00130 U | | | | | | | |
| Cobalt | mg/L | 0.00120 U | | | | | | | |
| Copper | mg/L | 0.00210 U | | | | | | | |
| Iron | mg/L | 0.03774 B | | | | | | | |
| Lead | mg/L | 0.00260 U | | | | | | | |
| Magnesium | mg/L | 0.03107 B | | | | | | | |
| Manganese | mg/L | 0.00089 B | | | | | | | |
| Nickel | mg/L | 0.00170 U | | | | | | | |
| Potassium | mg/L | 0.08677 B | | | | | | | |
| [illegible] | mg/L | 0.00420 U | | | | | | | |
| [illegible] | mg/L | 0.00090 U | | | | | | | |
| [illegible] | mg/L | 0.43100 U | | | | | | | |
| [illegible] | mg/L | 0.00460 U | | | | | | | |
| [illegible] | mg/L | [illegible] U | | | | | | | |
| [illegible] | mg/L | [illegible] U | | | | | | | |

| [illegible] | Continuing Calibration Blank | | 148313-074 | | 05/10/2005 | 2125 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | mg/L | [illegible] B | | | | | | | |
| [illegible] | mg/L | [illegible] U | | | | | | | |
| [illegible] | mg/L | [illegible] U | | | | | | | |
| [illegible] | mg/L | [illegible] U | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |
| [illegible] | mg/L | [illegible] | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| CCB | Continuing Calibration Blank | | 148313-074 | | 05/10/2005 | 2125 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Magnesium | mg/L | 0.00950 U | | | | | | | |
| Manganese | mg/L | 0.00108 B | | | | | | | |
| Nickel | mg/L | 0.00170 U | | | | | | | |
| Potassium | mg/L | 0.05860 B | | | | | | | |
| Selenium | mg/L | 0.00420 U | | | | | | | |
| Silver | mg/L | 0.00090 U | | | | | | | |
| Sodium | mg/L | 0.43100 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |
| Vanadium | mg/L | 0.00100 U | | | | | | | |
| Zinc | mg/L | 0.00640 U | | | | | | | |

| CCB | Continuing Calibration Blank | | 148313-084 | | 05/10/2005 | 2243 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 0.07923 B | | | | | | | |
| Antimony | mg/L | 0.00280 U | | | | | | | |
| Arsenic | mg/L | 0.00210 U | | | | | | | |
| Barium | mg/L | 0.00032 U | | | | | | | |
| Beryllium | mg/L | 0.00054 B | | | | | | | |
| Boron | mg/L | 0.00270 U | | | | | | | |
| Cadmium | mg/L | 0.00036 U | | | | | | | |
| Calcium | mg/L | 0.08054 B | | | | | | | |
| Chromium | mg/L | 0.00130 U | | | | | | | |
| Cobalt | mg/L | 0.00120 U | | | | | | | |
| Copper | mg/L | 0.00210 U | | | | | | | |
| Iron | mg/L | 0.04011 B | | | | | | | |
| Lead | mg/L | 0.00260 U | | | | | | | |
| Magnesium | mg/L | 0.04162 B | | | | | | | |
| Manganese | mg/L | 0.00101 B | | | | | | | |
| Nickel | mg/L | 0.00170 U | | | | | | | |
| Potassium | mg/L | 0.10334 B | | | | | | | |
| Selenium | mg/L | 0.00420 U | | | | | | | |
| Silver | mg/L | 0.00090 U | | | | | | | |
| Sodium | mg/L | 0.43100 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |
| Vanadium | mg/L | [illegible] | | | | | | | |
| Zinc | mg/L | 0.01647 U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 148313

Analyst...: tds

| CCV | Continuing Calibration Verification | M05DCCV004 | 148313-015 | | 05/10/2005 1402 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 48.87481 | | 50.00000 | | 98 | % | 90-110 | |
| Antimony | mg/L | 0.49536 | | 0.50000 | | 99 | % | 90-110 | |
| Arsenic | mg/L | 0.50485 | | 0.50000 | | 101 | % | 90-110 | |
| Barium | mg/L | 0.49101 | | 0.50000 | | 98 | % | 90-110 | |
| Beryllium | mg/L | 0.49613 | | 0.50000 | | 99 | % | 90-110 | |
| Boron | mg/L | 0.51141 | | 0.50000 | | 102 | % | 90-110 | |
| Cadmium | mg/L | 0.49243 | | 0.50000 | | 98 | % | 90-110 | |
| Calcium | mg/L | 25.58383 | | 25.00000 | | 102 | % | 90-110 | |
| Chromium | mg/L | 0.49579 | | 0.50000 | | 99 | % | 90-110 | |
| Cobalt | mg/L | 0.50038 | | 0.50000 | | 100 | % | 90-110 | |
| Copper | mg/L | 0.50691 | | 0.50000 | | 101 | % | 90-110 | |
| Iron | mg/L | 25.19325 | | 25.00000 | | 101 | % | 90-110 | |
| Lead | mg/L | 0.49804 | | 0.50000 | | 100 | % | 90-110 | |
| Magnesium | mg/L | 25.95041 | | 25.00000 | | 104 | % | 90-110 | |
| Manganese | mg/L | 5.02525 | | 5.00000 | | 101 | % | 90-110 | |
| Nickel | mg/L | 0.49358 | | 0.50000 | | 99 | % | 90-110 | |
| Potassium | mg/L | 49.31274 | | 50.00000 | | 99 | % | 90-110 | |
| Selenium | mg/L | 0.50498 | | 0.50000 | | 101 | % | 90-110 | |
| Silver | mg/L | 0.50200 | | 0.50000 | | 100 | % | 90-110 | |
| Sodium | mg/L | 25.00359 | | 25.00000 | | 100 | % | 90-110 | |
| Thallium | mg/L | 0.48507 | | 0.50000 | | 97 | % | 90-110 | |
| Vanadium | mg/L | 4.96973 | | 5.00000 | | 99 | % | 90-110 | |
| Zinc | mg/L | 0.49492 | | 0.50000 | | 99 | % | 90-110 | |

| [illegible] | Continuing Calibration Verification | M05DCCV004 | 148313-027 | | 05/10/2005 1531 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 48.58143 | | 50.00000 | | 97 | % | 90-110 | |
| Antimony | mg/L | 0.49658 | | 0.50000 | | 99 | % | 90-110 | |
| Arsenic | mg/L | 0.50120 | | 0.50000 | | 100 | % | 90-110 | |
| Barium | mg/L | 0.48785 | | 0.50000 | | 98 | % | 90-110 | |
| [illegible] | mg/L | 0.48894 | | 0.50000 | | 98 | % | 90-110 | |
| [illegible] | mg/L | 0.51111 | | 0.50000 | | 102 | % | 90-110 | |
| [illegible] | mg/L | 0.48969 | | 0.50000 | | 98 | % | 90-110 | |
| [illegible] | mg/L | 25.19471 | | 25.00000 | | 101 | % | 90-110 | |
| [illegible] | mg/L | 0.49071 | | 0.50000 | | 98 | % | 90-110 | |
| [illegible] | mg/L | 0.49484 | | 0.50000 | | 99 | % | 90-110 | |
| [illegible] | mg/L | 0.50719 | | 0.50000 | | 101 | % | 90-110 | |
| [illegible] | mg/L | 24.79981 | | 25.00000 | | 99 | % | 90-110 | |
| [illegible] | mg/L | 0.49189 | | 0.50000 | | 99 | % | 90-110 | |
| [illegible] | mg/L | 25.68794 | | 25.00000 | | 103 | % | 90-110 | |
| [illegible] | mg/L | 4.9781 | | 5.00000 | | 100 | % | 90-110 | |
| [illegible] | mg/L | 0.4911 | | 0.50000 | | 98 | % | 90-110 | |
| [illegible] | mg/L | 49.37437 | | 50.00000 | | 99 | % | 90-110 | |
| [illegible] | mg/L | 0.49714 | | 0.50000 | | 99 | % | 90-110 | |
| [illegible] | mg/L | 0.49696 | | 0.50000 | | 99 | % | 90-110 | |
| [illegible] | mg/L | 24.62716 | | 25.00000 | | 99 | % | 90-110 | |
| [illegible] | mg/L | 0.47976 | | 0.50000 | | 96 | % | 90-110 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| CCV | Continuing Calibration Verification | M05DCCV004 | 148313-027 | | 05/10/2005 | 1531 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Vanadium | mg/L | 4.91960 | | 5.00000 | | 98 | % | 90-110 | |
| Zinc | mg/L | 0.48715 | | 0.50000 | | 97 | % | 90-110 | |

| CCV | Continuing Calibration Verification | M05DCCV004 | 148313-039 | | 05/10/2005 | 1659 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 49.13466 | | 50.00000 | | 98 | % | 90-110 | |
| Antimony | mg/L | 0.49622 | | 0.50000 | | 99 | % | 90-110 | |
| Arsenic | mg/L | 0.51345 | | 0.50000 | | 103 | % | 90-110 | |
| Barium | mg/L | 0.48885 | | 0.50000 | | 98 | % | 90-110 | |
| Beryllium | mg/L | 0.49753 | | 0.50000 | | 100 | % | 90-110 | |
| Boron | mg/L | 0.51745 | | 0.50000 | | 103 | % | 90-110 | |
| Cadmium | mg/L | 0.50505 | | 0.50000 | | 101 | % | 90-110 | |
| Calcium | mg/L | 25.74449 | | 25.00000 | | 103 | % | 90-110 | |
| Chromium | mg/L | 0.50160 | | 0.50000 | | 100 | % | 90-110 | |
| Cobalt | mg/L | 0.50703 | | 0.50000 | | 101 | % | 90-110 | |
| Copper | mg/L | 0.51064 | | 0.50000 | | 102 | % | 90-110 | |
| Iron | mg/L | 25.20674 | | 25.00000 | | 101 | % | 90-110 | |
| Lead | mg/L | 0.50683 | | 0.50000 | | 101 | % | 90-110 | |
| Magnesium | mg/L | 26.21532 | | 25.00000 | | 105 | % | 90-110 | |
| Manganese | mg/L | 5.08167 | | 5.00000 | | 102 | % | 90-110 | |
| Nickel | mg/L | 0.50406 | | 0.50000 | | 101 | % | 90-110 | |
| Potassium | mg/L | 50.01441 | | 50.00000 | | 100 | % | 90-110 | |
| Selenium | mg/L | 0.50548 | | 0.50000 | | 101 | % | 90-110 | |
| Silver | mg/L | 0.50219 | | 0.50000 | | 100 | % | 90-110 | |
| Sodium | mg/L | 24.97362 | | 25.00000 | | 100 | % | 90-110 | |
| Thallium | mg/L | 0.49570 | | 0.50000 | | 99 | % | 90-110 | |
| Vanadium | mg/L | 4.99367 | | 5.00000 | | 100 | % | 90-110 | |
| Zinc | mg/L | 0.50717 | | 0.50000 | | 101 | % | 90-110 | |

| CCV | Continuing Calibration Verification | M05DCCV004 | 148313-049 | | 05/10/2005 | 1816 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 49.02626 | | 50.00000 | | 98 | % | 90-110 | |
| Antimony | mg/L | 0.49823 | | 0.50000 | | 100 | % | 90-110 | |
| Arsenic | mg/L | 0.51111 | | 0.50000 | | 102 | % | 90-110 | |
| Barium | mg/L | 0.48519 | | 0.50000 | | 97 | % | 90-110 | |
| Beryllium | mg/L | 0.49951 | | 0.50000 | | 100 | % | 90-110 | |
| Boron | mg/L | 0.51621 | | 0.50000 | | 103 | % | 90-110 | |
| Cadmium | mg/L | 0.51149 | | 0.50000 | | 102 | % | 90-110 | |
| Calcium | mg/L | 26.29128 | | 25.00000 | | 105 | % | 90-110 | |
| Chromium | mg/L | 0.50524 | | 0.50000 | | 101 | % | 90-110 | |
| Cobalt | mg/L | 0.50944 | | 0.50000 | | 102 | % | 90-110 | |
| Copper | mg/L | 0.50384 | | 0.50000 | | 101 | % | 90-110 | |
| Iron | mg/L | 25.39217 | | 25.00000 | | 102 | % | 90-110 | |
| Lead | mg/L | 0.51394 | | 0.50000 | | 103 | % | 90-110 | |
| Magnesium | mg/L | 26.58057 | | 25.00000 | | 106 | % | 90-110 | |
| Manganese | mg/L | 5.10614 | | 5.00000 | | 102 | % | 90-110 | |
| Nickel | mg/L | 0.50736 | | 0.50000 | | 101 | % | 90-110 | |
| Potassium | mg/L | 49.68142 | | 50.00000 | | 99 | % | 90-110 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 235327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date Time |
|---|---|---|---|---|---|
| CCV | Continuing Calibration Verification | M05DCCV004 | 148313-049 | | 05/10/2005 1816 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Selenium | mg/L | 0.50369 | | 0.50000 | | 101 | % | 90-110 | |
| Silver | mg/L | 0.50031 | | 0.50000 | | 100 | % | 90-110 | |
| Sodium | mg/L | 24.98810 | | 25.00000 | | 100 | % | 90-110 | |
| Thallium | mg/L | 0.49335 | | 0.50000 | | 99 | % | 90-110 | |
| Vanadium | mg/L | 4.99769 | | 5.00000 | | 100 | % | 90-110 | |
| Zinc | mg/L | 0.51401 | | 0.50000 | | 103 | % | 90-110 | |

| CCV | Continuing Calibration Verification | M05DCCV004 | 148313-061 | | 05/10/2005 1944 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 48.66082 | | 50.00000 | | 97 | % | 90-110 | |
| Antimony | mg/L | 0.48976 | | 0.50000 | | 98 | % | 90-110 | |
| Arsenic | mg/L | 0.50510 | | 0.50000 | | 101 | % | 90-110 | |
| Barium | mg/L | 0.48538 | | 0.50000 | | 97 | % | 90-110 | |
| Beryllium | mg/L | 0.48712 | | 0.50000 | | 97 | % | 90-110 | |
| Boron | mg/L | 0.51150 | | 0.50000 | | 102 | % | 90-110 | |
| Cadmium | mg/L | 0.49864 | | 0.50000 | | 100 | % | 90-110 | |
| Calcium | mg/L | 25.55200 | | 25.00000 | | 102 | % | 90-110 | |
| Chromium | mg/L | 0.49486 | | 0.50000 | | 99 | % | 90-110 | |
| Cobalt | mg/L | 0.49772 | | 0.50000 | | 100 | % | 90-110 | |
| Copper | mg/L | 0.50804 | | 0.50000 | | 102 | % | 90-110 | |
| Iron | mg/L | 24.72922 | | 25.00000 | | 99 | % | 90-110 | |
| Lead | mg/L | 0.50105 | | 0.50000 | | 100 | % | 90-110 | |
| Magnesium | mg/L | 25.90693 | | 25.00000 | | 104 | % | 90-110 | |
| Manganese | mg/L | 5.01207 | | 5.00000 | | 100 | % | 90-110 | |
| Nickel | mg/L | 0.49684 | | 0.50000 | | 99 | % | 90-110 | |
| Potassium | mg/L | 49.91616 | | 50.00000 | | 100 | % | 90-110 | |
| Silver | mg/L | 0.50168 | | 0.50000 | | 100 | % | 90-110 | |
| Sodium | mg/L | 0.49518 | | 0.50000 | | 99 | % | 90-110 | |
| Tin | mg/L | 24.76689 | | 25.00000 | | 99 | % | 90-110 | |
| Thallium | mg/L | 0.49022 | | 0.50000 | | 98 | % | 90-110 | |
| Vanadium | mg/L | 4.91684 | | 5.00000 | | 98 | % | 90-110 | |
| Zinc | mg/L | 0.49568 | | 0.50000 | | 99 | % | 90-110 | |

| CCV | Continuing Calibration Verification | M05DCCV004 | 148313-073 | | 05/10/2005 2112 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | mg/L | 49.24562 | | 50.00000 | | 98 | % | 90-110 | |
| [illegible] | mg/L | [illegible] | | 0.50000 | | 101 | % | 90-110 | |
| [illegible] | mg/L | [illegible] | | 0.50000 | | 103 | % | 90-110 | |
| [illegible] | mg/L | [illegible] | | 0.50000 | | 98 | % | 90-110 | |
| [illegible] | mg/L | [illegible] | | 0.50000 | | 99 | % | 90-110 | |
| [illegible] | mg/L | [illegible] | | 0.50000 | | 104 | % | 90-110 | |
| [illegible] | mg/L | [illegible] | | 0.50000 | | 102 | % | 90-110 | |
| [illegible] | mg/L | [illegible] | | 25.00000 | | 104 | % | 90-110 | |
| [illegible] | mg/L | 0.50341 | | 0.50000 | | 101 | % | 90-110 | |
| [illegible] | mg/L | 0.50639 | | 0.50000 | | 101 | % | 90-110 | |
| [illegible] | mg/L | 0.51496 | | 0.50000 | | 103 | % | 90-110 | |
| [illegible] | mg/L | 25.01926 | | 25.00000 | | 100 | % | 90-110 | |
| [illegible] | mg/L | 0.51288 | | 0.50000 | | 103 | % | 90-110 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| CCV | Continuing Calibration Verification | M05DCCV004 | 148313-073 | | 05/10/2005 | 2112 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Magnesium | mg/L | 26.32880 | | 25.00000 | | 105 | % | 90-110 | |
| Manganese | mg/L | 5.10256 | | 5.00000 | | 102 | % | 90-110 | |
| Nickel | mg/L | 0.50861 | | 0.50000 | | 102 | % | 90-110 | |
| Potassium | mg/L | 50.74922 | | 50.00000 | | 101 | % | 90-110 | |
| Selenium | mg/L | 0.50779 | | 0.50000 | | 102 | % | 90-110 | |
| Silver | mg/L | 0.50044 | | 0.50000 | | 100 | % | 90-110 | |
| Sodium | mg/L | 25.17930 | | 25.00000 | | 101 | % | 90-110 | |
| Thallium | mg/L | 0.49350 | | 0.50000 | | 99 | % | 90-110 | |
| Vanadium | mg/L | 4.97890 | | 5.00000 | | 100 | % | 90-110 | |
| Zinc | mg/L | 0.50831 | | 0.50000 | | 102 | % | 90-110 | |

| | | | | | |
|---|---|---|---|---|---|
| CCV | Continuing Calibration Verification | M05DCCV004 | 148313-083 | | 05/10/2005 2230 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 49.22218 | | 50.00000 | | 98 | % | 90-110 | |
| Antimony | mg/L | 0.50247 | | 0.50000 | | 100 | % | 90-110 | |
| Arsenic | mg/L | 0.51391 | | 0.50000 | | 103 | % | 90-110 | |
| Barium | mg/L | 0.48144 | | 0.50000 | | 96 | % | 90-110 | |
| Beryllium | mg/L | 0.48915 | | 0.50000 | | 98 | % | 90-110 | |
| Boron | mg/L | 0.52043 | | 0.50000 | | 104 | % | 90-110 | |
| Cadmium | mg/L | 0.51772 | | 0.50000 | | 104 | % | 90-110 | |
| Calcium | mg/L | 26.30759 | | 25.00000 | | 105 | % | 90-110 | |
| Chromium | mg/L | 0.50305 | | 0.50000 | | 101 | % | 90-110 | |
| Cobalt | mg/L | 0.50609 | | 0.50000 | | 101 | % | 90-110 | |
| Copper | mg/L | 0.51271 | | 0.50000 | | 103 | % | 90-110 | |
| Iron | mg/L | 24.88866 | | 25.00000 | | 100 | % | 90-110 | |
| Lead | mg/L | 0.51336 | | 0.50000 | | 103 | % | 90-110 | |
| Magnesium | mg/L | 26.54671 | | 25.00000 | | 106 | % | 90-110 | |
| Manganese | mg/L | 5.09981 | | 5.00000 | | 102 | % | 90-110 | |
| Nickel | mg/L | 0.51323 | | 0.50000 | | 103 | % | 90-110 | |
| Potassium | mg/L | 50.34304 | | 50.00000 | | 101 | % | 90-110 | |
| Selenium | mg/L | 0.50212 | | 0.50000 | | 100 | % | 90-110 | |
| Silver | mg/L | 0.49677 | | 0.50000 | | 99 | % | 90-110 | |
| Sodium | mg/L | 24.99070 | | 25.00000 | | 100 | % | 90-110 | |
| Thallium | mg/L | 0.49197 | | 0.50000 | | 98 | % | 90-110 | |
| Vanadium | mg/L | 4.94329 | | 5.00000 | | 99 | % | 90-110 | |
| Zinc | mg/L | 0.50993 | | 0.50000 | | 102 | % | 90-110 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 148313

Analyst...: tds

| CRI | Contract Required Detection Limits | M05ECRI001 | 148313-012 | | 05/10/2005 1343 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 0.42043 | | 0.40000 | | 105 | % | 50-150 | |
| Antimony | mg/L | 0.04207 | | 0.04000 | | 105 | % | 50-150 | |
| Arsenic | mg/L | 0.01973 | | 0.02000 | | 99 | % | 50-150 | |
| Barium | mg/L | 0.02028 | | 0.02000 | | 101 | % | 50-150 | |
| Beryllium | mg/L | 0.00864 | | 0.00800 | | 108 | % | 50-150 | |
| Boron | mg/L | 0.09903 | | 0.10000 | | 99 | % | 50-150 | |
| Cadmium | mg/L | 0.00409 | | 0.00400 | | 102 | % | 50-150 | |
| Calcium | mg/L | 0.25223 | | 0.20000 | | 126 | % | 50-150 | |
| Chromium | mg/L | 0.02095 | | 0.02000 | | 105 | % | 50-150 | |
| Cobalt | mg/L | 0.01058 | | 0.01000 | | 106 | % | 50-150 | |
| Copper | mg/L | 0.02258 | | 0.02000 | | 113 | % | 50-150 | |
| Iron | mg/L | 0.22049 | | 0.20000 | | 110 | % | 50-150 | |
| Lead | mg/L | 0.01083 | | 0.01000 | | 108 | % | 50-150 | |
| Magnesium | mg/L | 0.20344 | | 0.20000 | | 102 | % | 50-150 | |
| Manganese | mg/L | 0.02136 | | 0.02000 | | 107 | % | 50-150 | |
| Nickel | mg/L | 0.02033 | | 0.02000 | | 102 | % | 50-150 | |
| Potassium | mg/L | 0.84033 | | 1.00000 | | 84 | % | 50-150 | |
| Selenium | mg/L | 0.02385 | | 0.02000 | | 119 | % | 50-150 | |
| Silver | mg/L | 0.01090 | | 0.01000 | | 109 | % | 50-150 | |
| Sodium | mg/L | 1.51656 | | 2.00000 | | 76 | % | 50-150 | |
| Thallium | mg/L | 0.01815 | | 0.02000 | | 91 | % | 50-150 | |
| Vanadium | mg/L | 0.01013 | | 0.01000 | | 101 | % | 50-150 | |
| Zinc | mg/L | 0.03868 | | 0.04000 | | 97 | % | 50-150 | |

| [illegible] | Contract Required Detection Limits | M05ECRI001 | 148313-046 | | 05/10/2005 1756 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | mg/L | [illegible] | | 0.40000 | | 109 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.04000 | | 100 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.02000 | | 97 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.02000 | | 100 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.00800 | | 111 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.10000 | | 101 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.00400 | | 113 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.20000 | | 132 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.02000 | | 107 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.01000 | | 109 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.02000 | | 114 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.20000 | | 121 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.01000 | | 106 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.20000 | | 108 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.02000 | | 111 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.02000 | | 108 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 1.00000 | | 86 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.02000 | | 114 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.01000 | | 101 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 2.00000 | | 93 | % | 50-150 | |
| [illegible] | mg/L | [illegible] | | 0.02000 | | 102 | % | 50-150 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| CRI | Contract Required Detection Limits | M05ECRI001 | 148313-046 | | 05/10/2005 | 1756 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Vanadium | mg/L | 0.01050 | | 0.01000 | | 105 | % | 50-150 | |
| Zinc | mg/L | 0.04211 | | 0.04000 | | 105 | % | 50-150 | |

| CRI | Contract Required Detection Limits | M05ECRI001 | 148313-080 | | 05/10/2005 | 2209 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 0.44358 | | 0.40000 | | 111 | % | 50-150 | |
| Antimony | mg/L | 0.04158 | | 0.04000 | | 104 | % | 50-150 | |
| Arsenic | mg/L | 0.02162 | | 0.02000 | | 108 | % | 50-150 | |
| Barium | mg/L | 0.02018 | | 0.02000 | | 101 | % | 50-150 | |
| Beryllium | mg/L | 0.00878 | | 0.00800 | | 110 | % | 50-150 | |
| Boron | mg/L | 0.09954 | | 0.10000 | | 100 | % | 50-150 | |
| Cadmium | mg/L | 0.00468 | | 0.00400 | | 117 | % | 50-150 | |
| Calcium | mg/L | 0.30784 | | 0.20000 | | 154 | % | 50-150 | |
| Chromium | mg/L | 0.02159 | | 0.02000 | | 108 | % | 50-150 | |
| Cobalt | mg/L | 0.01109 | | 0.01000 | | 111 | % | 50-150 | |
| Copper | mg/L | 0.02231 | | 0.02000 | | 112 | % | 50-150 | |
| Iron | mg/L | 0.26368 | | 0.20000 | | 132 | % | 50-150 | |
| Lead | mg/L | 0.01105 | | 0.01000 | | 110 | % | 50-150 | |
| Magnesium | mg/L | 0.24357 | | 0.20000 | | 122 | % | 50-150 | |
| Manganese | mg/L | 0.02216 | | 0.02000 | | 111 | % | 50-150 | |
| Nickel | mg/L | 0.02199 | | 0.02000 | | 110 | % | 50-150 | |
| Potassium | mg/L | 0.90520 | | 1.00000 | | 91 | % | 50-150 | |
| Selenium | mg/L | 0.02204 | | 0.02000 | | 110 | % | 50-150 | |
| Silver | mg/L | 0.01115 | | 0.01000 | | 112 | % | 50-150 | |
| Sodium | mg/L | 1.95624 | | 2.00000 | | 98 | % | 50-150 | |
| Thallium | mg/L | 0.02174 | | 0.02000 | | 109 | % | 50-150 | |
| Vanadium | mg/L | 0.01099 | | 0.01000 | | 110 | % | 50-150 | |
| Zinc | mg/L | 0.04078 | | 0.04000 | | 102 | % | 50-150 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| ICB | Initial Calibration Blank | | 148313-011 | | 05/10/2005 | 1337 |

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 148313

Analyst...: tds

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 0.01479 B | | | | | | | |
| Antimony | mg/L | 0.00304 B | | | | | | | |
| Arsenic | mg/L | 0.00210 U | | | | | | | |
| Barium | mg/L | 0.00032 U | | | | | | | |
| Beryllium | mg/L | 0.00016 U | | | | | | | |
| Boron | mg/L | 0.00270 U | | | | | | | |
| Cadmium | mg/L | 0.00036 U | | | | | | | |
| Calcium | mg/L | 0.05690 U | | | | | | | |
| Chromium | mg/L | 0.00130 U | | | | | | | |
| Cobalt | mg/L | 0.00120 U | | | | | | | |
| Copper | mg/L | 0.00210 U | | | | | | | |
| Iron | mg/L | 0.03390 U | | | | | | | |
| Lead | mg/L | 0.00260 U | | | | | | | |
| Magnesium | mg/L | 0.00950 U | | | | | | | |
| Manganese | mg/L | 0.00084 B | | | | | | | |
| Nickel | mg/L | 0.00170 U | | | | | | | |
| Potassium | mg/L | 0.05510 B | | | | | | | |
| Selenium | mg/L | 0.00420 U | | | | | | | |
| Silver | mg/L | 0.00090 U | | | | | | | |
| Sodium | mg/L | 0.43100 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |
| Vanadium | mg/L | 0.00100 U | | | | | | | |
| Zinc | mg/L | 0.00640 U | | | | | | | |



* =% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 148313

Analyst...: tds

| ICV | Initial Calibration Verification | M05DICV001 | 148313-010 | | 05/10/2005 | 1326 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 39.06009 | | 40.00000 | | 98 | % | 90-110 | |
| Antimony | mg/L | 0.39850 | | 0.40000 | | 100 | % | 90-110 | |
| Arsenic | mg/L | 0.40342 | | 0.40000 | | 101 | % | 90-110 | |
| Barium | mg/L | 0.40008 | | 0.40000 | | 100 | % | 90-110 | |
| Beryllium | mg/L | 0.39675 | | 0.40000 | | 99 | % | 90-110 | |
| Boron | mg/L | 0.40856 | | 0.40000 | | 102 | % | 90-110 | |
| Cadmium | mg/L | 0.38839 | | 0.40000 | | 97 | % | 90-110 | |
| Calcium | mg/L | 20.06271 | | 20.00000 | | 100 | % | 90-110 | |
| Chromium | mg/L | 0.39357 | | 0.40000 | | 98 | % | 90-110 | |
| Cobalt | mg/L | 0.39752 | | 0.40000 | | 99 | % | 90-110 | |
| Copper | mg/L | 0.40788 | | 0.40000 | | 102 | % | 90-110 | |
| Iron | mg/L | 20.02028 | | 20.00000 | | 100 | % | 90-110 | |
| Lead | mg/L | 0.39456 | | 0.40000 | | 99 | % | 90-110 | |
| Magnesium | mg/L | 20.97976 | | 20.00000 | | 105 | % | 90-110 | |
| Manganese | mg/L | 4.01574 | | 4.00000 | | 100 | % | 90-110 | |
| Nickel | mg/L | 0.39131 | | 0.40000 | | 98 | % | 90-110 | |
| Potassium | mg/L | 39.82175 | | 40.00000 | | 100 | % | 90-110 | |
| Selenium | mg/L | 0.40515 | | 0.40000 | | 101 | % | 90-110 | |
| Silver | mg/L | 0.39810 | | 0.40000 | | 100 | % | 90-110 | |
| Sodium | mg/L | 19.69375 | | 20.00000 | | 98 | % | 90-110 | |
| Thallium | mg/L | 0.38842 | | 0.40000 | | 97 | % | 90-110 | |
| Vanadium | mg/L | 3.97985 | | 4.00000 | | 99 | % | 90-110 | |
| Zinc | mg/L | 0.38914 | | 0.40000 | | 97 | % | 90-110 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 235327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 148313
Analyst...: tds

| ISA | Interference Check Sample A | M05DISA001 | 148313-013 | | 05/10/2005 1349 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 482.28405 | | 500.00000 | | 96 | % | 80-120 | |
| Calcium | mg/L | 454.70111 | | 500.00000 | | 91 | % | 80-120 | |
| Iron | mg/L | 181.49710 | | 200.00000 | | 91 | % | 80-120 | |
| Magnesium | mg/L | 504.60205 | | 500.00000 | | 101 | % | 80-120 | |

| ISA | Interference Check Sample A | M05DISA001 | 148313-047 | | 05/10/2005 1802 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 487.60089 | | 500.00000 | | 98 | % | 80-120 | |
| Calcium | mg/L | 480.26428 | | 500.00000 | | 96 | % | 80-120 | |
| Iron | mg/L | 186.78845 | | 200.00000 | | 93 | % | 80-120 | |
| Magnesium | mg/L | 529.55310 | | 500.00000 | | 106 | % | 80-120 | |

| ISA | Interference Check Sample A | M05DISA001 | 148313-081 | | 05/10/2005 2215 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 486.65692 | | 500.00000 | | 97 | % | 80-120 | |
| Calcium | mg/L | 467.63345 | | 500.00000 | | 94 | % | 80-120 | |
| Iron | mg/L | 181.44631 | | 200.00000 | | 91 | % | 80-120 | |
| Magnesium | mg/L | 517.11071 | | 500.00000 | | 103 | % | 80-120 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 148313

Analyst...: tds

| ISB | Interference Check Sample B | M05DISB001 | 148313-014 | | 05/10/2005 1356 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 484.67864 | | 500.00000 | | 97 | % | 80-120 | |
| Antimony | mg/L | 0.62889 | | 0.60000 | | 105 | % | 80-120 | |
| Arsenic | mg/L | 0.10470 | | 0.10000 | | 105 | % | 80-120 | |
| Barium | mg/L | 0.52513 | | 0.50000 | | 105 | % | 80-120 | |
| Beryllium | mg/L | 0.48361 | | 0.50000 | | 97 | % | 80-120 | |
| Cadmium | mg/L | 0.91352 | | 1.00000 | | 91 | % | 80-120 | |
| Calcium | mg/L | 454.62780 | | 500.00000 | | 91 | % | 80-120 | |
| Chromium | mg/L | 0.47537 | | 0.50000 | | 95 | % | 80-120 | |
| Cobalt | mg/L | 0.46619 | | 0.50000 | | 93 | % | 80-120 | |
| Copper | mg/L | 0.55547 | | 0.50000 | | 111 | % | 80-120 | |
| Iron | mg/L | 182.25222 | | 200.00000 | | 91 | % | 80-120 | |
| Lead | mg/L | 0.04333 | | 0.05000 | | 87 | % | 80-120 | |
| Magnesium | mg/L | 506.56817 | | 500.00000 | | 101 | % | 80-120 | |
| Manganese | mg/L | 0.47946 | | 0.50000 | | 96 | % | 80-120 | |
| Nickel | mg/L | 0.91579 | | 1.00000 | | 92 | % | 80-120 | |
| Selenium | mg/L | 0.04957 | | 0.05000 | | 99 | % | 80-120 | |
| Silver | mg/L | 0.21755 | | 0.20000 | | 109 | % | 80-120 | |
| Thallium | mg/L | 0.10468 | | 0.10000 | | 105 | % | 80-120 | |
| Vanadium | mg/L | 0.49379 | | 0.50000 | | 99 | % | 80-120 | |
| Zinc | mg/L | 0.90510 | | 1.00000 | | 91 | % | 80-120 | |

| ISB | Interference Check Sample B | M05DISB001 | 148313-048 | | 05/10/2005 1808 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | mg/L | 488.40789 | | 500.00000 | | 98 | % | 80-120 | |
| [illegible] | mg/L | 0.62973 | | 0.60000 | | 105 | % | 80-120 | |
| Arsenic | mg/L | 0.10786 | | 0.10000 | | 108 | % | 80-120 | |
| Barium | mg/L | 0.51441 | | 0.50000 | | 103 | % | 80-120 | |
| Beryllium | mg/L | 0.49392 | | 0.50000 | | 99 | % | 80-120 | |
| Cadmium | mg/L | 0.97051 | | 1.00000 | | 97 | % | 80-120 | |
| Calcium | mg/L | 474.48812 | | 500.00000 | | 95 | % | 80-120 | |
| Chromium | mg/L | 0.49188 | | 0.50000 | | 98 | % | 80-120 | |
| Cobalt | mg/L | 0.48130 | | 0.50000 | | 96 | % | 80-120 | |
| Copper | mg/L | 0.55194 | | 0.50000 | | 110 | % | 80-120 | |
| Iron | mg/L | 185.86752 | | 200.00000 | | 93 | % | 80-120 | |
| Lead | mg/L | 0.04624 | | 0.05000 | | 92 | % | 80-120 | |
| Magnesium | mg/L | 525.38281 | | 500.00000 | | 105 | % | 80-120 | |
| Manganese | mg/L | 0.49571 | | 0.50000 | | 99 | % | 80-120 | |
| Nickel | mg/L | 0.96684 | | 1.00000 | | 96 | % | 80-120 | |
| Selenium | mg/L | [illegible] | | 0.05000 | | 105 | % | 80-120 | |
| Silver | mg/L | 0.21823 | | 0.20000 | | 109 | % | 80-120 | |
| Thallium | mg/L | 0.10497 | | 0.10000 | | 105 | % | 80-120 | |
| Vanadium | mg/L | 0.50161 | | 0.50000 | | 100 | % | 80-120 | |
| Zinc | mg/L | 0.96364 | | 1.00000 | | 96 | % | 80-120 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| ISB | Interference Check Sample B | M05DISB001 | 148313-082 | | 05/10/2005 | 2221 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/L | 476.56344 | | 500.00000 | | 95 | % | 80-120 | |
| Antimony | mg/L | 0.61285 | | 0.60000 | | 102 | % | 80-120 | |
| Arsenic | mg/L | 0.10403 | | 0.10000 | | 104 | % | 80-120 | |
| Barium | mg/L | 0.50186 | | 0.50000 | | 100 | % | 80-120 | |
| Beryllium | mg/L | 0.47274 | | 0.50000 | | 95 | % | 80-120 | |
| Cadmium | mg/L | 0.94836 | | 1.00000 | | 95 | % | 80-120 | |
| Calcium | mg/L | 460.77838 | | 500.00000 | | 92 | % | 80-120 | |
| Chromium | mg/L | 0.47511 | | 0.50000 | | 95 | % | 80-120 | |
| Cobalt | mg/L | 0.46320 | | 0.50000 | | 93 | % | 80-120 | |
| Copper | mg/L | 0.54310 | | 0.50000 | | 109 | % | 80-120 | |
| Iron | mg/L | 177.73376 | | 200.00000 | | 89 | % | 80-120 | |
| Lead | mg/L | 0.04621 | | 0.05000 | | 92 | % | 80-120 | |
| Magnesium | mg/L | 509.28588 | | 500.00000 | | 102 | % | 80-120 | |
| Manganese | mg/L | 0.48144 | | 0.50000 | | 96 | % | 80-120 | |
| Nickel | mg/L | 0.93388 | | 1.00000 | | 93 | % | 80-120 | |
| Selenium | mg/L | 0.04852 | | 0.05000 | | 97 | % | 80-120 | |
| Silver | mg/L | 0.21200 | | 0.20000 | | 106 | % | 80-120 | |
| Thallium | mg/L | 0.10413 | | 0.10000 | | 104 | % | 80-120 | |
| Vanadium | mg/L | 0.48473 | | 0.50000 | | 97 | % | 80-120 | |
| Zinc | mg/L | 0.92151 | | 1.00000 | | 92 | % | 80-120 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 148313
Analyst...: tds

| LCS | Laboratory Control Sample | M05CSPK001 | 147999-002 | | 05/10/2005 1428 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum, Solid | mg/Kg | 182.96 | | 200.00 | 5.05 | U 91 | % | 80-120 | |
| Antimony, Solid | mg/Kg | 45.52 | | 50.00 | 0.43 | U 91 | % | 80-120 | |
| Arsenic, Solid | mg/Kg | 9.11 | | 10.00 | 0.37 | U 91 | % | 80-120 | |
| Barium, Solid | mg/Kg | 188.18 | | 200.00 | 0.07 | U 94 | % | 80-120 | |
| Beryllium, Solid | mg/Kg | 4.65 | | 5.00 | 0.02 | U 93 | % | 80-120 | |
| Boron, Solid | mg/Kg | 87.82 | | 100.00 | 0.30 | U 88 | % | 80-120 | |
| Cadmium, Solid | mg/Kg | 4.60 | | 5.00 | 0.06 | U 92 | % | 80-120 | |
| Calcium, Solid | mg/Kg | 913.62 | | 1000.00 | 8.02 | B 91 | % | 80-120 | |
| Chromium, Solid | mg/Kg | 18.92 | | 20.00 | 0.10 | U 95 | % | 80-120 | |
| Cobalt, Solid | mg/Kg | 46.80 | | 50.00 | 0.12 | U 94 | % | 80-120 | |
| Copper, Solid | mg/Kg | 24.27 | | 25.00 | 0.22 | U 97 | % | 80-120 | |
| Iron, Solid | mg/Kg | 95.92 | | 100.00 | 3.55 | B 96 | % | 80-120 | |
| Lead, Solid | mg/Kg | 9.76 | | 10.00 | 0.25 | U 98 | % | 80-120 | |
| Magnesium, Solid | mg/Kg | 913.10 | | 1000.00 | 1.01 | U 91 | % | 80-120 | |
| Manganese, Solid | mg/Kg | 48.84 | | 50.00 | 0.05 | U 98 | % | 80-120 | |
| Nickel, Solid | mg/Kg | 46.75 | | 50.00 | 0.48 | U 93 | % | 80-120 | |
| Potassium, Solid | mg/Kg | 832.98 | | 1000.00 | 7.62 | B 83 | % | 80-120 | |
| Selenium, Solid | mg/Kg | 8.80 | | 10.00 | 0.45 | U 88 | % | 80-120 | |
| Silver, Solid | mg/Kg | 4.36 | | 5.00 | 0.10 | U 87 | % | 80-120 | |
| Sodium, Solid | mg/Kg | 879.54 | | 1000.00 | 78.60 | U 88 | % | 80-120 | |
| Thallium, Solid | mg/Kg | 9.25 | | 10.00 | 0.57 | U 92 | % | 80-120 | |
| Vanadium, Solid | mg/Kg | 48.35 | | 50.00 | 0.15 | U 97 | % | 80-120 | |
| Zinc, Solid | mg/Kg | 45.63 | | 50.00 | 1.37 | U 91 | % | 80-120 | |

| LCS | Laboratory Control Sample | M05CSPK001 | 148043-002 | | 05/10/2005 1842 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | mg/Kg | 191.64 | | 200.00 | 5.05 | U 97 | % | 80-120 | |
| Antimony, Solid | mg/Kg | 47.82 | | 50.00 | 0.64 | B 96 | % | 80-120 | |
| Arsenic, Solid | mg/Kg | 9.69 | | 10.00 | 0.37 | U 97 | % | 80-120 | |
| Barium, Solid | mg/Kg | 188.40 | | 200.00 | 0.07 | U 94 | % | 80-120 | |
| Beryllium, Solid | mg/Kg | 4.90 | | 5.00 | 0.02 | B 99 | % | 80-120 | |
| Boron, Solid | mg/Kg | 94.26 | | 100.00 | 0.30 | U 94 | % | 80-120 | |
| Cadmium, Solid | mg/Kg | 5.16 | | 5.00 | 0.06 | U 104 | % | 80-120 | |
| Calcium, Solid | mg/Kg | 1000.02 | | 1000.00 | 4.58 | B 100 | % | 80-120 | |
| Chromium, Solid | mg/Kg | 20.44 | | 20.00 | 0.10 | U 102 | % | 80-120 | |
| Cobalt, Solid | mg/Kg | 51.82 | | 50.00 | 0.12 | U 102 | % | 80-120 | |
| Copper, Solid | mg/Kg | 24.94 | | 25.00 | 0.22 | U 100 | % | 80-120 | |
| Iron, Solid | mg/Kg | 99.55 | | 100.00 | 2.20 | U 100 | % | 80-120 | |
| Lead, Solid | mg/Kg | [illegible] | | 10.00 | 0.25 | U 108 | % | 80-120 | |
| Magnesium, Solid | mg/Kg | 995.39 | | 1000.00 | 1.01 | U 100 | % | 80-120 | |
| Manganese, Solid | mg/Kg | 52.41 | | 50.00 | 0.05 | U 105 | % | 80-120 | |
| Nickel, Solid | mg/Kg | 51.45 | | 50.00 | 0.48 | U 103 | % | 80-120 | |
| Potassium, Solid | mg/Kg | 848.27 | | 1000.00 | 7.08 | B 85 | % | 80-120 | |
| Selenium, Solid | mg/Kg | 9.73 | | 10.00 | 0.45 | U 97 | % | 80-120 | |
| Silver, Solid | mg/Kg | 4.54 | | 5.00 | 0.10 | U 91 | % | 80-120 | |
| Sodium, Solid | mg/Kg | 900.97 | | 1000.00 | 78.60 | U 90 | % | 80-120 | |
| Thallium, Solid | mg/Kg | 9.64 | | 10.00 | 0.57 | U 96 | % | 80-120 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | M05CSPK001 | 148043-002 | | 05/10/2005 | 1842 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Vanadium, Solid | mg/Kg | 51.10 | | 50.00 | 0.15 | U 102 | % | 80-120 | |
| Zinc, Solid | mg/Kg | 51.60 | | 50.00 | 1.37 | U 103 | % | 80-120 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 148313

Analyst...: tds

| MB | Method Blank | 147999 | 147999-001 | | 05/10/2005 | 1422 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum, Solid | mg/Kg | 5.05 | U | | | | | | | |
| Antimony, Solid | mg/Kg | 0.43 | U | | | | | | | |
| Arsenic, Solid | mg/Kg | 0.37 | U | | | | | | | |
| Barium, Solid | mg/Kg | 0.07 | U | | | | | | | |
| Beryllium, Solid | mg/Kg | 0.02 | U | | | | | | | |
| Boron, Solid | mg/Kg | 0.30 | U | | | | | | | |
| Cadmium, Solid | mg/Kg | 0.06 | U | | | | | | | |
| Calcium, Solid | mg/Kg | 8.02 | B | | | | | | | |
| Chromium, Solid | mg/Kg | 0.10 | U | | | | | | | |
| Cobalt, Solid | mg/Kg | 0.12 | U | | | | | | | |
| Copper, Solid | mg/Kg | 0.22 | U | | | | | | | |
| Iron, Solid | mg/Kg | 3.55 | B | | | | | | | |
| Lead, Solid | mg/Kg | 0.25 | U | | | | | | | |
| Magnesium, Solid | mg/Kg | 1.01 | U | | | | | | | |
| Manganese, Solid | mg/Kg | 0.05 | U | | | | | | | |
| Nickel, Solid | mg/Kg | 0.48 | U | | | | | | | |
| Potassium, Solid | mg/Kg | 7.62 | B | | | | | | | |
| Selenium, Solid | mg/Kg | 0.45 | U | | | | | | | |
| Silver, Solid | mg/Kg | 0.10 | U | | | | | | | |
| Sodium, Solid | mg/Kg | 78.60 | U | | | | | | | |
| Thallium, Solid | mg/Kg | 0.57 | U | | | | | | | |
| Vanadium, Solid | mg/Kg | 0.15 | U | | | | | | | |
| Zinc, Solid | mg/Kg | 1.37 | U | | | | | | | |

| MB | Method Blank | 148043 | 148043-001 | | 05/10/2005 | 1836 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum, Solid | mg/Kg | 5.05 | U | | | | | | | |
| Antimony, Solid | mg/Kg | 0.64 | B | | | | | | | |
| Arsenic, Solid | mg/Kg | 0.37 | U | | | | | | | |
| Barium, Solid | mg/Kg | 0.07 | U | | | | | | | |
| Beryllium, Solid | mg/Kg | 0.02 | B | | | | | | | |
| Boron, Solid | mg/Kg | 0.30 | U | | | | | | | |
| Cadmium, Solid | mg/Kg | 0.06 | U | | | | | | | |
| Calcium, Solid | mg/Kg | 4.58 | B | | | | | | | |
| Chromium, Solid | mg/Kg | 0.10 | U | | | | | | | |
| Cobalt, Solid | mg/Kg | 0.12 | U | | | | | | | |
| Copper, Solid | mg/Kg | 0.22 | U | | | | | | | |
| Iron, Solid | mg/Kg | 0.21 | U | | | | | | | |
| Lead, Solid | mg/Kg | 0.25 | U | | | | | | | |
| Magnesium, Solid | mg/Kg | 1.01 | U | | | | | | | |
| Manganese, Solid | mg/Kg | 0.05 | U | | | | | | | |
| Nickel, Solid | mg/Kg | 0.48 | U | | | | | | | |
| Potassium, Solid | mg/Kg | 7.62 | B | | | | | | | |
| Selenium, Solid | mg/Kg | 0.45 | U | | | | | | | |
| Silver, Solid | mg/Kg | 0.10 | U | | | | | | | |
| Sodium, Solid | mg/Kg | 78.60 | U | | | | | | | |
| Thallium, Solid | mg/Kg | 0.57 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: Z36327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | 148043 | 148043-001 | | 05/10/2005 | 1836 |

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Vanadium, Solid | mg/Kg | 0.15 | U | | | | | | | |
| Zinc, Solid | mg/Kg | 1.37 | U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MD | Method Duplicate | | 236327-1 | | 05/10/2005 | 1447 |

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 148313
Analyst...: tds

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum, Solid | mg/Kg | 7979.38 | | | | 8675.79 | | 8.4 | R | 20.0 | |
| Antimony, Solid | mg/Kg | 0.47 | U | | | 0.47 | U | 0 | A | 2.18 | |
| Arsenic, Solid | mg/Kg | 6.86 | | | | 6.33 | | 8.0 | R | 20.0 | |
| Barium, Solid | mg/Kg | 142.21 | | | | 164.76 | | 14.7 | R | 20.0 | |
| Beryllium, Solid | mg/Kg | 1.93 | | | | 2.07 | | 0.14 | A | 0.44 | |
| Boron, Solid | mg/Kg | 30.64 | | | | 27.86 | | 9.5 | R | 20.0 | |
| Cadmium, Solid | mg/Kg | 1.06 | | | | 1.01 | | 0.04 | A | 0.22 | |
| Calcium, Solid | mg/Kg | 39195.68 | | | | 46789.12 | | 17.7 | R | 20.0 | |
| Chromium, Solid | mg/Kg | 15.84 | | | | 21.08 | | 28.4 | R | 20.0 | * |
| Cobalt, Solid | mg/Kg | 2.58 | | | | 2.21 | | 0.36 | A | 0.55 | |
| Copper, Solid | mg/Kg | 26.75 | | | | 27.17 | | 1.6 | R | 20.0 | |
| Iron, Solid | mg/Kg | 21944.02 | | | | 18619.82 | | 16.4 | R | 20.0 | |
| Lead, Solid | mg/Kg | 100.53 | | | | 97.78 | | 2.8 | R | 20.0 | |
| Magnesium, Solid | mg/Kg | 7585.10 | | | | 11073.92 | | 37.4 | R | 20.0 | * |
| Manganese, Solid | mg/Kg | 1305.12 | | | | 1193.34 | | 8.9 | R | 20.0 | |
| Nickel, Solid | mg/Kg | 9.31 | | | | 8.33 | | 11.1 | R | 20.0 | |
| Potassium, Solid | mg/Kg | 1047.28 | | | | 1069.45 | | 2.1 | R | 20.0 | |
| Selenium, Solid | mg/Kg | 1.51 | | | | 1.40 | | 0.11 | A | 1.09 | |
| Silver, Solid | mg/Kg | 0.11 | U | | | 0.11 | U | 0.00000 | A | 0.55 | |
| Sodium, Solid | mg/Kg | 397.76 | | | | 486.94 | | 89.19 | A | 109.12 | |
| Thallium, Solid | mg/Kg | 0.62 | U | | | 0.62 | U | 0 | A | 1.09 | |
| Vanadium, Solid | mg/Kg | 14.84 | | | | 15.90 | | 6.9 | R | 20.0 | |
| Zinc, Solid | mg/Kg | 280.61 | | | | 299.51 | | 6.5 | R | 20.0 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 148313
Analyst...: tds

| MS | Matrix Spike | M05CSPK001 | 236327-1 | | 05/10/2005 | 1453 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum, Solid | mg/Kg | 9013.15 | | 209.70 | 8675.79 | 161 | % | 75-125 | 4 |
| Antimony, Solid | mg/Kg | 19.54 | | 52.43 | 0.45 | U 37 | % | 75-125 | N |
| Arsenic, Solid | mg/Kg | 15.79 | | 10.49 | 6.33 | 90 | % | 75-125 | |
| Barium, Solid | mg/Kg | 329.65 | | 209.70 | 164.76 | 79 | % | 75-125 | |
| Beryllium, Solid | mg/Kg | 6.28 | | 5.24 | 2.07 | 80 | % | 75-125 | |
| Boron, Solid | mg/Kg | 110.70 | | 104.90 | 27.86 | 79 | % | 75-125 | |
| Cadmium, Solid | mg/Kg | 5.01 | | 5.24 | 1.01 | 76 | % | 75-125 | |
| Calcium, Solid | mg/Kg | 38353.09 | | 1049.00 | 46789.12 | -805 | % | 75-125 | 4 |
| Chromium, Solid | mg/Kg | 47.50 | | 20.97 | 21.08 | 126 | % | 75-125 | N |
| Cobalt, Solid | mg/Kg | 42.80 | | 52.43 | 2.21 | 77 | % | 75-125 | |
| Copper, Solid | mg/Kg | 56.19 | | 26.21 | 27.17 | 111 | % | 75-125 | |
| Iron, Solid | mg/Kg | 19102.27 | | 104.90 | 18619.82 | 460 | % | 75-125 | 4 |
| Lead, Solid | mg/Kg | 122.47 | | 10.49 | 97.78 | 235 | % | 75-125 | 4 |
| Magnesium, Solid | mg/Kg | 9678.17 | | 1049.00 | 11073.92 | -133 | % | 75-125 | 4 |
| Manganese, Solid | mg/Kg | 1071.77 | | 52.43 | 1193.34 | -232 | % | 75-125 | 4 |
| Nickel, Solid | mg/Kg | 53.59 | | 52.43 | 8.33 | 86 | % | 75-125 | |
| Potassium, Solid | mg/Kg | 2051.83 | | 1049.00 | 1069.45 | 94 | % | 75-125 | |
| Selenium, Solid | mg/Kg | 9.95 | | 10.49 | 1.40 | 81 | % | 75-125 | |
| Silver, Solid | mg/Kg | 4.13 | | 5.24 | 0.10 | U 79 | % | 75-125 | |
| Sodium, Solid | mg/Kg | 1335.11 | | 1049.00 | 486.94 | 81 | % | 75-125 | |
| Thallium, Solid | mg/Kg | 5.89 | | 10.49 | 0.60 | U 56 | % | 75-125 | N |
| Vanadium, Solid | mg/Kg | 58.46 | | 52.43 | 15.90 | 81 | % | 75-125 | |
| Zinc, Solid | mg/Kg | 416.70 | | 52.43 | 299.51 | 224 | % | 75-125 | 4 |



* =% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 148313
Analyst...: tds

| MSD | Matrix Spike Duplicate | M05CSPK001 | 236327-1 | | 05/10/2005 1459 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum, Solid | mg/Kg | 9580.51 | 9013.15 | 212.50 | 8675.79 | 426 | % | 75-125 | 4 |
| | | | | | | 90.3 | R | 20 | * |
| Antimony, Solid | mg/Kg | 18.16 | 19.54 | 53.12 | 0.46 | U 34 | % | 75-125 | N |
| | | | | | | 8.5 | R | 20 | |
| Arsenic, Solid | mg/Kg | 17.38 | 15.79 | 10.62 | 6.33 | 104 | % | 75-125 | |
| | | | | | | 14.4 | R | 20 | |
| Barium, Solid | mg/Kg | 326.24 | 329.65 | 212.50 | 164.76 | 76 | % | 75-125 | |
| | | | | | | 3.9 | R | 20 | |
| Beryllium, Solid | mg/Kg | 6.13 | 6.28 | 5.31 | 2.07 | 77 | % | 75-125 | |
| | | | | | | 3.8 | R | 20 | |
| Boron, Solid | mg/Kg | 110.78 | 110.70 | 106.20 | 27.86 | 78 | % | 75-125 | |
| | | | | | | 1.3 | R | 20 | |
| Cadmium, Solid | mg/Kg | 4.59 | 5.01 | 5.31 | 1.01 | 67 | % | 75-125 | |
| | | | | | | 12.6 | R | 20 | |
| Calcium, Solid | mg/Kg | 43121.36 | 38353.09 | 1062.00 | 46789.12 | -345 | % | 75-125 | 4 |
| | | | | | | -80.0 | R | 20 | |
| Chromium, Solid | mg/Kg | 42.50 | 47.50 | 21.25 | 21.08 | 101 | % | 75-125 | |
| | | | | | | 22.0 | R | 20 | * |
| Cobalt, Solid | mg/Kg | 41.59 | 42.80 | 53.12 | 2.21 | 74 | % | 75-125 | N |
| | | | | | | 4.0 | R | 20 | |
| Copper, Solid | mg/Kg | 57.11 | 56.19 | 26.56 | 27.17 | 113 | % | 75 125 | |
| | | | | | | 1.8 | R | 20 | |
| Iron, Solid | mg/Kg | 26717.44 | 19102.27 | 106.20 | 18619.82 | 7622 | % | 75-125 | 4 |
| | | | | | | 177.2 | R | 20 | * |
| Lead, Solid | mg/Kg | 107.96 | 122.47 | 10.62 | 97.78 | 96 | % | 75-125 | 4 |
| | | | | | | 84.0 | R | 20 | * |
| Magnesium, Solid | mg/Kg | 10410.43 | 9678.17 | 1062.00 | 11073.92 | -62 | % | 75 125 | 4 |
| | | | | | | -72.8 | R | 20 | |
| Manganese, Solid | mg/Kg | 1250.18 | 1071.77 | 53.12 | 1193.34 | 107 | % | 75-125 | 4 |
| | | | | | | -542.4 | R | 20 | |
| Nickel, Solid | mg/Kg | 51.16 | 53.59 | 53.12 | 8.33 | 81 | % | 75-125 | |
| | | | | | | 6.0 | R | 20 | |
| Potassium, Solid | mg/Kg | 2118.04 | 2051.83 | 1062.00 | 1069.45 | 99 | % | 75-125 | |
| | | | | | | 5.2 | R | 20 | |
| Selenium, Solid | mg/Kg | 9.44 | 9.95 | 10.62 | 1.40 | 76 | % | 75 125 | |
| | | | | | | 6.4 | R | 20 | |
| Silver, Solid | mg/Kg | 4.06 | 4.13 | 5.31 | 0.11 | U 77 | % | 75 125 | |
| | | | | | | 2.6 | R | 20 | |
| Sodium, Solid | mg/Kg | 1341.81 | 1335.10 | 1062.00 | 486.94 | 80 | % | 75 125 | |
| | | | | | | 1.2 | R | 20 | |
| Thallium, Solid | mg/Kg | 5.55 | 5.89 | 10.62 | 0.61 | U 52 | % | 75 125 | N |
| | | | | | | 7.4 | R | 20 | |
| Vanadium, Solid | mg/Kg | 59.24 | 58.46 | 53.12 | 15.90 | 82 | % | 75 125 | |
| | | | | | | 1.2 | R | 20 | |
| Zinc, Solid | mg/Kg | 278.35 | 416.70 | 53.12 | 299.51 | -40 | % | 75 125 | 4 |
| | | | | | | 287.0 | R | 20 | * |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 148313

Analyst...: tds

| SD | Serial Dilution | | 236327-1 | | 05/10/2005 | 1441 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * Limits | F |
|---|---|---|---|---|---|---|---|---|
| Aluminum, Solid | mg/Kg | 1882.49 | | | 8675.79 | 8.5 | D 10.0 | |
| Antimony, Solid | mg/Kg | 0.45 | U | | 0.45 | U | | |
| Arsenic, Solid | mg/Kg | 1.43 | | | 6.33 | | | |
| Barium, Solid | mg/Kg | 35.54 | | | 164.76 | 7.9 | D 10.0 | |
| Beryllium, Solid | mg/Kg | 0.48 | | | 2.07 | 15.0 | D 10.0 | E |
| Boron, Solid | mg/Kg | 6.26 | | | 27.86 | 12.3 | D 10.0 | E |
| Cadmium, Solid | mg/Kg | 0.21 | | | 1.01 | | | |
| Calcium, Solid | mg/Kg | 11150.51 | | | 46789.12 | 19.2 | D 10.0 | E |
| Chromium, Solid | mg/Kg | 4.78 | | | 21.08 | 13.4 | D 10.0 | E |
| Cobalt, Solid | mg/Kg | 0.48 | B | | 2.21 | | | |
| Copper, Solid | mg/Kg | 5.57 | | | 27.17 | 2.5 | D 10.0 | |
| Iron, Solid | mg/Kg | 4282.96 | | | 18619.82 | 15.0 | D 10.0 | E |
| Lead, Solid | mg/Kg | 22.47 | | | 97.78 | 14.9 | D 10.0 | E |
| Magnesium, Solid | mg/Kg | 2475.06 | | | 11073.92 | 11.8 | D 10.0 | E |
| Manganese, Solid | mg/Kg | 278.87 | | | 1193.34 | 16.8 | D 10.0 | E |
| Nickel, Solid | mg/Kg | 1.93 | | | 8.33 | | | |
| Potassium, Solid | mg/Kg | 192.92 | | | 1069.45 | 9.8 | D 10.0 | |
| Selenium, Solid | mg/Kg | 0.47 | U | | 1.40 | | | |
| Silver, Solid | mg/Kg | 0.10 | U | | 0.10 | U | | |
| Sodium, Solid | mg/Kg | 96.45 | B | | 486.94 | | | |
| Thallium, Solid | mg/Kg | 0.60 | U | | 0.60 | U | | |
| Vanadium, Solid | mg/Kg | 3.56 | | | 15.90 | 12.0 | D 10.0 | E |
| Zinc, Solid | mg/Kg | 70.09 | | | 299.51 | 17.0 | D 10.0 | E |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| CCB | Continuing Calibration Blank | | 148441-016 | | 05/11/2005 | 1030 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 0.07559 B | | | | | | | |
| Iron | mg/L | 0.03390 U | | | | | | | |
| Manganese | mg/L | 0.00110 B | | | | | | | |
| Strontium | mg/L | 0.00040 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |

| CCB | Continuing Calibration Blank | | 148441-028 | | 05/11/2005 | 1204 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 0.05690 U | | | | | | | |
| Iron | mg/L | 0.03390 U | | | | | | | |
| Manganese | mg/L | 0.00044 U | | | | | | | |
| Strontium | mg/L | 0.00040 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |

| CCB | Continuing Calibration Blank | | 148441-038 | | 05/11/2005 | 1315 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 0.10367 | | | | | | | H |
| Iron | mg/L | 0.04626 B | | | | | | | |
| Manganese | mg/L | 0.00122 B | | | | | | | |
| Strontium | mg/L | 0.00040 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |

| CCB | Continuing Calibration Blank | | 148441-050 | | 05/11/2005 | 1508 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 0.05691 U | | | | | | | |
| Iron | mg/L | 0.03390 U | | | | | | | |
| Manganese | mg/L | 0.00105 B | | | | | | | |
| Strontium | mg/L | 0.00040 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |

| CCB | Continuing Calibration Blank | | 148441-062 | | 05/11/2005 | 1640 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 0.05691 U | | | | | | | |
| Iron | mg/L | 0.03390 U | | | | | | | |
| Manganese | mg/L | 0.00197 B | | | | | | | |
| Strontium | mg/L | 0.00040 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| CCB | Continuing Calibration Blank | | 148441-071 | | 05/11/2005 | 1752 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| *Calcium* | *mg/L* | 0.06031 B | | | | | | | |
| Iron | mg/L | 0.03390 U | | | | | | | |
| Manganese | mg/L | 0.00129 B | | | | | | | |
| Strontium | mg/L | 0.00040 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| CCV | Continuing Calibration Verification | M05DCCV001 | 148441-015 | | 05/11/2005 1019 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 25.41532 | | 25.00000 | | 102 | % | 90-110 | |
| Iron | mg/L | 24.96047 | | 25.00000 | | 100 | % | 90-110 | |
| Manganese | mg/L | 5.01883 | | 5.00000 | | 100 | % | 90-110 | |
| Strontium | mg/L | 0.49740 | | 0.50000 | | 99 | % | 90-110 | |
| Thallium | mg/L | 0.49526 | | 0.50000 | | 99 | % | 90-110 | |

| CCV | Continuing Calibration Verification | M05DCCV001 | 148441-027 | | 05/11/2005 1153 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 25.30038 | | 25.00000 | | 101 | % | 90-110 | |
| Iron | mg/L | 24.91013 | | 25.00000 | | 100 | % | 90-110 | |
| Manganese | mg/L | 5.02225 | | 5.00000 | | 100 | % | 90-110 | |
| Strontium | mg/L | 0.49473 | | 0.50000 | | 99 | % | 90-110 | |
| Thallium | mg/L | 0.49056 | | 0.50000 | | 98 | % | 90-110 | |

| CCV | Continuing Calibration Verification | M05DCCV001 | 148441-037 | | 05/11/2005 1305 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 25.64245 | | 25.00000 | | 103 | % | 90-110 | |
| Iron | mg/L | 24.97967 | | 25.00000 | | 100 | % | 90-110 | |
| Manganese | mg/L | 5.00919 | | 5.00000 | | 100 | % | 90-110 | |
| Strontium | mg/L | 0.49147 | | 0.50000 | | 98 | % | 90-110 | |
| Thallium | mg/L | 0.49087 | | 0.50000 | | 98 | % | 90-110 | |

| CCV | Continuing Calibration Verification | M05DCCV001 | 148441-049 | | 05/11/2005 1457 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 25.00146 | | 25.00000 | | 100 | % | 90-110 | |
| Iron | mg/L | 24.75888 | | 25.00000 | | 99 | % | 90-110 | |
| Manganese | mg/L | 4.96822 | | 5.00000 | | 99 | % | 90-110 | |
| Strontium | mg/L | 0.48847 | | 0.50000 | | 98 | % | 90-110 | |
| Thallium | mg/L | 0.48539 | | 0.50000 | | 97 | % | 90-110 | |

| CCV | Continuing Calibration Verification | M05DCCV001 | 148441-061 | | 05/11/2005 1630 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 25.41445 | | 25.00000 | | 102 | % | 90-110 | |
| Iron | mg/L | 25.00511 | | 25.00000 | | 100 | % | 90-110 | |
| Manganese | mg/L | 5.01769 | | 5.00000 | | 100 | % | 90-110 | |
| Strontium | mg/L | 0.48957 | | 0.50000 | | 98 | % | 90-110 | |
| Thallium | mg/L | 0.49061 | | 0.50000 | | 98 | % | 90-110 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| CCV | Continuing Calibration Verification | M05DCCV001 | 148441-070 | | 05/11/2005 | 1741 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 24.87190 | | 25.00000 | | 99 | % | 90-110 | |
| Iron | mg/L | 24.46253 | | 25.00000 | | 98 | % | 90-110 | |
| Manganese | mg/L | 4.90450 | | 5.00000 | | 98 | % | 90-110 | |
| Strontium | mg/L | 0.48561 | | 0.50000 | | 97 | % | 90-110 | |
| Thallium | mg/L | 0.48056 | | 0.50000 | | 96 | % | 90-110 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP3
Batch.....: 148441
Analyst...: tds

| CRI | Contract Required Detection Limits | M05DCRI002 | 148441-012 | | 05/11/2005 1000 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 0.22131 | | 0.20000 | | 111 | % | 50-150 | |
| Iron | mg/L | 0.22915 | | 0.20000 | | 115 | % | 50-150 | |
| Manganese | mg/L | 0.02150 | | 0.02000 | | 108 | % | 50-150 | |
| Strontium | mg/L | 0.01050 | | 0.01000 | | 105 | % | 50-150 | |
| Thallium | mg/L | 0.01927 | | 0.02000 | | 96 | % | 50-150 | |

| CRI | Contract Required Detection Limits | M05DCRI002 | 148441-034 | | 05/11/2005 1246 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 0.23009 | | 0.20000 | | 115 | % | 50-150 | |
| Iron | mg/L | 0.23420 | | 0.20000 | | 117 | % | 50-150 | |
| Manganese | mg/L | 0.02175 | | 0.02000 | | 109 | % | 50-150 | |
| Strontium | mg/L | 0.01054 | | 0.01000 | | 105 | % | 50-150 | |
| Thallium | mg/L | 0.02039 | | 0.02000 | | 102 | % | 50-150 | |

| CRI | Contract Required Detection Limits | M05DCRI002 | 148441-067 | | 05/11/2005 1723 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 0.22487 | | 0.20000 | | 112 | % | 50-150 | |
| Iron | mg/L | 0.24587 | | 0.20000 | | 123 | % | 50-150 | |
| Manganese | mg/L | 0.02156 | | 0.02000 | | 108 | % | 50-150 | |
| Strontium | mg/L | 0.01051 | | 0.01000 | | 105 | % | 50-150 | |
| Thallium | mg/L | 0.02102 | | 0.02000 | | 105 | % | 50-150 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| ICB | Initial Calibration Blank | | 148441-011 | | 05/11/2005 | 0954 |

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | P |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 0.05690 U | | | | | | | |
| Iron | mg/L | 0.03390 U | | | | | | | |
| Manganese | mg/L | 0.00044 U | | | | | | | |
| Strontium | mg/L | 0.00040 U | | | | | | | |
| Thallium | mg/L | 0.00460 U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| | | | | | | |
|---|---|---|---|---|---|---|
| ICV | Initial Calibration Verification | M05AICV001 | 148441-010 | | 05/11/2005 | 0943 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 20.18385 | | 20.00000 | | 101 | % | 90-110 | |
| Iron | mg/L | 20.38420 | | 20.00000 | | 102 | % | 90-110 | |
| Manganese | mg/L | 4.08827 | | 4.00000 | | 102 | % | 90-110 | |
| Strontium | mg/L | 0.40016 | | 0.40000 | | 100 | % | 90-110 | |
| Thallium | mg/L | 0.39918 | | 0.40000 | | 100 | % | 90-110 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA  PROJECT: ACME STEEL COKE PLAN  ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B  Equipment Code....: ICP3  Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace)  Batch.....: 148441

| ISA | Interference Check Sample A | M05DISA002 | 148441-013 | | 05/11/2005 1006 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 490.97366 | | 500.00000 | | 98 | % | 80-120 | |
| Iron | mg/L | 183.08520 | | 200.00000 | | 92 | % | 80-120 | |

| ISA | Interference Check Sample A | M05DISA002 | 148441-035 | | 05/11/2005 1252 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 497.14675 | | 500.00000 | | 99 | % | 80-120 | |
| Iron | mg/L | 184.61480 | | 200.00000 | | 92 | % | 80-120 | |

| ISA | Interference Check Sample A | M05DISA002 | 148441-068 | | 05/11/2005 1729 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 486.53039 | | 500.00000 | | 97 | % | 80-120 | |
| Iron | mg/L | 181.73400 | | 200.00000 | | 91 | % | 80-120 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA PROJECT: ACME STEEL COKE PLAN ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP3
Batch.....: 148441
Analyst...: tds

| ISB | Interference Check Sample B | M05DISB002 | 148441-014 | | 05/11/2005 1013 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 501.66076 | | 500.00000 | | 100 | % | 80-120 | |
| Iron | mg/L | 187.38119 | | 200.00000 | | 94 | % | 80-120 | |
| Manganese | mg/L | 0.50794 | | 0.50000 | | 102 | % | 80-120 | |
| Thallium | mg/L | 0.10137 | | 0.10000 | | 101 | % | 80-120 | |

| ISB | Interference Check Sample B | M05DISB002 | 148441-036 | | 05/11/2005 1258 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 505.55068 | | 500.00000 | | 101 | % | 80-120 | |
| Iron | mg/L | 188.05364 | | 200.00000 | | 94 | % | 80-120 | |
| Manganese | mg/L | 0.51075 | | 0.50000 | | 102 | % | 80-120 | |
| Thallium | mg/L | 0.09733 | | 0.10000 | | 97 | % | 80-120 | |

| ISB | Interference Check Sample B | M05DISB002 | 148441-069 | | 05/11/2005 1735 |
|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | mg/L | 496.04528 | | 500.00000 | | 99 | % | 80-120 | |
| Iron | mg/L | 185.73904 | | 200.00000 | | 93 | % | 80-120 | |
| Manganese | mg/L | 0.50259 | | 0.50000 | | 101 | % | 80-120 | |
| Thallium | mg/L | 0.09631 | | 0.10000 | | 96 | % | 80-120 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | M05CSPK001 | 147999-002 | | 05/11/2005 | 1351 |

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Strontium, Solid | mg/Kg | 93.91 | | 100.00 | 0.39 U | 94 | % | 80-120 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | 147999 | 147999-001 | | 05/11/2005 | 1345 |

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Strontium, Solid | mg/Kg | 0.39 | U | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| | | | | | | |
|---|---|---|---|---|---|---|
| MD | Method Duplicate | | 236327-1 | | 05/11/2005 | 1413 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Strontium, Solid | mg/Kg | 89.02 | | | 92.47 | 3.8 | R | 20.0 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| | | | | | | |
|---|---|---|---|---|---|---|
| MS | Matrix Spike | M05CSPK001 | 236327-1 | | 05/11/2005 | 1419 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Strontium, Solid | mg/Kg | 171.43 | | 104.90 | 92.47 | 75 | % | 75-125 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| MSD | Matrix Spike Duplicate | M05CSPK001 | 236327-1 | | 05/11/2005 | 1425 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Strontium, Solid | mg/Kg | 174.03 | 171.43 | 106.20 | 92.47 | 77 | % | 75-125 | |
| | | | | | | 2.6 | R | 20 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327

Report Date.: 05/19/2005

CUSTOMER: Illinois EPA

PROJECT: ACME STEEL COKE PLAN

ATTN:

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 148441

Analyst...: tds

| | | | | | | |
|---|---|---|---|---|---|---|
| SD | Serial Dilution | | 236327-1 | | 05/11/2005 | 1406 |

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Strontium, Solid | mg/Kg | 19.48 | | | 92.47 | 5.3 | D | 10.0 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Solids

Batch.....: 147920
Equipment Code....:

Analyst...: daj
Test Code.: %SOLID

| QC | Lab ID | Reagent | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | F | * | Limits | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MB | 147920-001 | | % | 0.1000 U | | | | | | | | 05/05/2005 | 1330 |
| MD | 236327-1 | | % | 88.70000 | | | 88.80000 | 0.1 | | R | 5.0 | 05/05/2005 | 1335 |

Test Method.....: 9014/9010B
Method Description.: Cyanide (Colorimetric)
Parameter.....: Cyanide, Total

Batch.....: 148134
Equipment Code....: SPEC4

Analyst...: mtb
Test Code.: CN

| QC | Lab ID | Reagent | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | F | * | Limits | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ICV | 148134-002 | I05BSTCN2 | mg/L | 0.10720 | | 0.10000 | | 107 | | % | 90-110 | 05/09/2005 | 1445 |
| ICB | 148134-003 | | mg/L | 0.00180 U | | | | | | | | 05/09/2005 | 1446 |
| MB | 148134-004 | | mg/L | 0.00180 U | | | | | | | | 05/09/2005 | 1446 |
| DSL | 148134-006 | I05BSTCN1 | mg/L | 0.03870 | | 0.04000 | | 97 | | % | 75-125 | 05/09/2005 | 1447 |
| LCS | 148134-005 | I05BSTCN2 | mg/L | 0.10210 | | 0.10000 | 0.00180 U | 102 | | % | 85-115 | 05/09/2005 | 1447 |
| DSH | 148134-007 | I05BSTCN1 | mg/L | 0.39470 | | 0.40000 | | 99 | | % | 90-110 | 05/09/2005 | 1447 |
| CCV | 148134-014 | I05BSTCN2 | mg/L | 0.21380 | | 0.20000 | | 107 | | % | 90-110 | 05/09/2005 | 1450 |
| CCB | 148134-015 | | mg/L | 0.00180 U | | | | | | | | 05/09/2005 | 1451 |
| CCV | 148134-014 | I05BSTCN2 | mg/L | 0.10300 | | 0.10000 | | 103 | | % | 90-110 | 05/09/2005 | 1455 |
| CCB | 148134-015 | | mg/L | 0.00180 U | | | | | | | | 05/09/2005 | 1455 |

Test Method.....: 9014/9010B
Method Description.: Cyanide Colorimetric
Parameter.....: Cyanide, Total

Batch.....: 148375
Equipment Code....: SPEC4

Analyst...: mtb
Test Code.: CN

| QC | Lab ID | Reagent | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | F | * | Limits | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | mg/L | 0.10810 | | 0.10000 | | 108 | | % | 90-110 | 05/11/2005 | 1355 |
| [illegible] | [illegible] | | mg/L | 0.00180 U | | | | | | | | 05/11/2005 | 1356 |
| [illegible] | [illegible] | | mg/L | 0.00610 B | | | | | | | | 05/11/2005 | 1356 |
| [illegible] | [illegible] | [illegible] | mg/L | 0.10930 | | 0.10000 | 0.00610 B | 109 | | % | 80-120 | 05/11/2005 | 1357 |
| [illegible] | [illegible] | [illegible] | mg/L | 0.21530 | | 0.20000 | | 108 | | % | 90-110 | 05/11/2005 | 1401 |
| [illegible] | [illegible] | | mg/L | 0.00180 U | | | | | | | | 05/11/2005 | 1402 |
| [illegible] | [illegible] | [illegible] | mg/L | 0.10680 | | 0.10000 | | 107 | | % | 90-110 | 05/11/2005 | 1407 |
| [illegible] | [illegible] | | mg/L | 0.00180 U | | | | | | | | 05/11/2005 | 1408 |

Test Method.....: 9040
Method Description.: pH Soil
Parameter.....: pH

Batch.....: 148125
Equipment Code....:

Analyst...: pmf
Test Code.: PH

| QC | Lab ID | Reagent | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | F | * | Limits | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | pH Units | 10.00000 | | 10.05000 | | 0.05000 | | A | 0.20000 | 05/09/2005 | 1355 |
| [illegible] | [illegible] | I15BPHTB | pH Units | 6.97000 | | 7.00000 | | 0.03000 | | A | 0.20000 | 05/09/2005 | 1356 |
| [illegible] | [illegible] | I15BPHTB | pH Units | 6.96000 | | 7.00000 | | 0.04000 | | A | 0.20000 | 05/09/2005 | 1357 |
| [illegible] | [illegible] | | pH Units | 7.70000 | | | 7.69000 | 0.01000 | | A | 0.20000 | 05/09/2005 | 1359 |
| [illegible] | [illegible] | [illegible] | pH Units | 3.97000 | | 4.00000 | | 0.03000 | | A | 0.20000 | 05/09/2005 | 1409 |
| [illegible] | [illegible] | [illegible] | pH Units | 1.89000 | | 2.00000 | | 0.11000 | | A | 0.20000 | 05/09/2005 | 1416 |
| [illegible] | [illegible] | [illegible] | pH Units | 10.01000 | | 10.05000 | | 0.04000 | | A | 0.20000 | 05/09/2005 | 1420 |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY CONTROL RESULTS

Job Number.: 236327 | Report Date.: 05/19/2005

CUSTOMER: Illinois EPA | PROJECT: ACME STEEL COKE PLAN | ATTN: Ann Cross

Test Method.....: 7471A
Method Description.: Mercury (CVAA) Solids
Parameter.....: Mercury

Batch.....: 148150
Equipment Code....: HG3

Analyst...: gok
Test Code.: HG

| QC | Lab ID | Reagent | Units | QC Result | | QC Result | True Value | Orig. Value | | QC Calc. | F | * | Limits | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ICV | 148150-007 | M04LSTK010 | ug/L | 2.09 | | | 2.00 | | | 104 | | % | 90-110 | 05/09/2005 | 1312 |
| ICB | 148150-008 | | ug/L | 0.08 | U | | | | | | | | | 05/09/2005 | 1315 |
| CRA | 148150-009 | M04KSTK001 | ug/L | 0.26 | | | 0.20 | | | 131 | | % | 50-150 | 05/09/2005 | 1317 |
| MB | 148139-007 | | mg/Kg | 0.01 | U | | | | | | | | | 05/09/2005 | 1319 |
| LCS | 148139-008 | M04LSTK010 | mg/Kg | 0.18 | | | 0.17 | 0.01 | U | 105 | | % | 80-120 | 05/09/2005 | 1321 |
| CCV | 148150-017 | M04LSTK010 | ug/L | 0.95 | | | 1.00 | | | 95 | | % | 90-110 | 05/09/2005 | 1334 |
| CCB | 148150-018 | | ug/L | 0.08 | U | | | | | | | | | 05/09/2005 | 1336 |
| CCV | 148150-029 | M04LSTK010 | ug/L | 1.02 | | | 1.00 | | | 102 | | % | 90-110 | 05/09/2005 | 1400 |
| CCB | 148150-030 | | ug/L | 0.08 | U | | | | | | | | | 05/09/2005 | 1402 |
| CCV | 148150-039 | M04LSTK010 | ug/L | 1.02 | | | 1.00 | | | 102 | | % | 90-110 | 05/09/2005 | 1421 |
| CCB | 148150-040 | | ug/L | 0.08 | U | | | | | | | | | 05/09/2005 | 1423 |
| MB | 148253-007 | | mg/Kg | 0.01 | U | | | | | | | | | 05/09/2005 | 1425 |
| LCS | 148253-008 | M04LSTK010 | mg/Kg | 0.16 | | | 0.17 | 0.01 | U | 96 | | % | 80-120 | 05/09/2005 | 1428 |
| CCV | 148150-049 | M04LSTK010 | ug/L | 1.13 | | | 1.00 | | | 113 | | % | 90-110 | 05/09/2005 | 1456 |
| CCB | 148150-050 | | ug/L | 0.08 | U | | | | | | | | | 05/09/2005 | 1458 |
| CCV | 148150-062 | M04LSTK010 | ug/L | 0.91 | | | 1.00 | | | 91 | | % | 90-110 | 05/09/2005 | 1532 |
| CCB | 148150-063 | | ug/L | 0.08 | U | | | | | | | | | 05/09/2005 | 1534 |
| CCV | 148150-072 | M04LSTK010 | ug/L | 0.98 | | | 1.00 | | | 98 | | % | 90-110 | 05/09/2005 | 1555 |
| CCB | 148150-073 | | ug/L | 0.08 | U | | | | | | | | | 05/09/2005 | 1557 |
| MS | 236327-1 | | mg/Kg | 4.26 | | | | 4.33 | | 1.7 | | R | 20.0 | 05/09/2005 | 1602 |
| MS | 236327-1 | M04KSTK001 | mg/Kg | 3.57 | | | 0.94 | 4.33 | | -807 | 4 | % | 75-125 | 05/09/2005 | 1605 |
| MSD | 236327-1 | M04KSTK001 | mg/Kg | 3.58 | | 3.57 | 0.94 | 4.33 | | -800 | 4 | % | 75-125 | 05/09/2005 | 1607 |
| | | | | | | | | | | -0.9 | | R | 20 | | |
| CCV | 148150-083 | M04LSTK010 | ug/L | 1.06 | | | 1.00 | | | 106 | | % | 90-110 | 05/09/2005 | 1622 |
| CCB | 148150-084 | | ug/L | 0.08 | U | | | | | | | | | 05/09/2005 | 1624 |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

# QUALITY ASSURANCE METHODS

## REFERENCES AND NOTES

Report Date: 05/19/2005

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the stated limit.
< Not detected at or above the reporting limit.
J Result is less than the RL, but greater than or equal to the method detection limit.
B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.
F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
A AD CFAA: Post digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q-Column)

U Analyte was not detected at or above the stated limit.
UJ Compound not detected
J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
C Result was qualitatively confirmed, but not quantified.
P Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.
F AFCEE Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flag Column)

H Batch QC is greater than reporting limit
* LCS, LCD, ELCS, ELCD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
+ MB, EB1, EB2, EB3, MLB: Batch QC is greater than reporting limit
E Concentration exceeds the instrument calibration range
J Concentration is below the method Reporting Limit (RL)
B Compound was found in the blank and sample
D Surrogate or matrix spike recoveries were not calculated because the extract was diluted for analysis. Also compounds analyzed at a dilution will be flagged with a D.
M Alternate peak selection upon analytical review
I Indicates the presence of an interfence, recovery is not calculated.
M Manually integrated compound.
# The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

| | |
|---|---|
| AS | Post Digestion Spike (GFAA Samples - See Note 1 below) |
| Batch | Designation given to identify a specific extraction, digestion, preparation set, or analysis set |
| CAP | Capillary Column CCB Continuing Calibration Blank |
| CCV | Continuing Calibration Verification |
| CF | Confirmation analysis of original |
| C1 | Confirmation analysis of A1 or D1 |
| C2 | Confirmation analysis of A2 or D2 |
| C3 | Confirmation analysis of A3 or D3 |
| CRA | Low Level Standard Check - GFAA; Mercury |
| CRI | Low Level Standard Check - ICP |
| CV | Calilbration Verification Standard |
| Dil Fac | Dilution Factor - Secondary dilution analysis |
| D1 | Dilution 1 |
| D2 | Dilution 2 |
| D3 | Dilution 3 |
| DLFac | Detection Limit Factor |
| DSH | Distilled Standard - High Level |
| DSL | Distilled Standard - Low Level |
| DSM | Distilled Standard - Medium Level |
| EB1 | Extraction Blank 1 |
| EB2 | Extraction Blank 2 |
| EB3 | DI Blank |
| ELC | Method Extracted LCS |
| ELD | Method Extracted LCD |
| ICAL | Initial calibration |
| ICB | Initial Calibration Blank |
| ICV | Initial Calibration Verification |
| IDL | Instrument Detection Limit |
| ISA | Interference Check Sample A ICAP |
| ISB | Interference Check Sample B ICAP |
| Job No | The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification |
| LCD | Laboratory Control Standard Duplicate |
| LCS | Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest |
| MB | Method Blank or PB Preparation Blank |
| MD | Method Duplicate |
| MDL | Method Detection Limit |
| MEB | Medium Level Extraction Blank |
| MRL | Method Reporting Limit Standard |
| MSA | Method of Standard Additions |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| ND | Not Detected |
| PREP | Preparation factor used by the Laboratory's Information Management System (LIMS) |
| PS | Post Digestion Spike (ICAP) |
| P0 | Pre analysis of original |
| P1 | Pre analysis of D1 |
| P2 | Pre analysis of D2 |
| P3 | Pre analysis of D3 |
| PD | Pre extraction of dilution |
| PO | Pre extraction of original |
| PC | Pre extraction Confirmation |
| RL | Reporting Limit |
| RPD | Relative Percent Difference of duplicate (unrounded) analyses |
| RRF | Relative Response Factor |
| RT | Retention Time |

| | |
|---|---|
| RTW | Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number |
| SCB | Seeded Control Blank |
| SD | Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL) |
| UCB | Unseeded Control Blank |
| SSV | Second Source Verification Standard |
| SLCS | Solid Laboratory Control Standard(LCS) |
| PHC | pH Calibration Check LCSP pH Laboratory Control Sample |
| LCDP | pH Laboratory Control Sample Duplicate |
| MDPH | pH Sample Duplicate |
| MDFP | Flashpoint Sample Duplicate |
| LCFP | Flashpoint LCS |
| G1 | Gelex Check Standard Range 0-1 |
| G2 | Gelex Check Standard Range 1-10 |
| G3 | Gelex Check Standard Range 10-100 |
| G4 | Gelex Check Standard Range 100-1000 |

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.