# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ16D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanof |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:30 | 33° | rain | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 17.10 | 1.315 | 7.19 | 0.57 | -42 | Clear |
| 2 | low-flow cell | | 17.04 | 1.316 | 7.23 | 0.45 | -43 | ↓ |
| 3 | low-flow cell | | 17.05 | 1.314 | 7.22 | 0.37 | -43 | ✓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ016D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 13:35 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ017I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanski |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 8:40 | 32° | Cloudy | 100% | 5 mph | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

***MONITORING DATA COLLECTED DURING PURGING OPERATIONS***

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 17.85 | 1.062 | 7.38 | 0.38 | -2 | clear |
| 2 | low-flow cell | | 17.87 | 1.058 | 7.35 | 0.30 | -1 | clear |
| 3 | low-flow cell | | 17.89 | 1.056 | 7.32 | 0.26 | 0 | |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ017I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 8:50 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-017D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 8:40 | 32° | cloudy | 100% | 5 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.99 | 1,323 | 7.40 | 1.74 | -49 | Clear |
| 2 | low-flow cell | | 17.03 | 1,320 | 7.40 | 0.99 | -52 | ↓ |
| 3 | low-flow cell | | 16.95 | 1,326 | 7.40 | 0.86 | -52 | |
| 4 | low-flow cell | | 16.90 | 1,325 | 7.40 | 0.79 | -53 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-017D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/26/02 | 08:55 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

*Samples analyzed by Lancaster Laboratories, Lancaster, PA*

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW018S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanof |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:30 | 32° | cloudy | 100% | 5-10 | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.03 | 0.885 | 7.39 | 2.12 | -18 | Clear |
| 2 | low-flow cell | | 16.05 | 0.882 | 7.39 | 2.01 | -17 | |
| 3 | low-flow cell | | 16.09 | 0.883 | 7.35 | 1.96 | -16 | |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW018S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 10:45 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW019S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:30 | 32° | Cloudy | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 13.98 | 1.000 | 7.73 | 2.16 | -2 | |
| 2 | low-flow cell | | 14.04 | 0.984 | 7.69 | 2.15 | -2 | |
| 3 | low-flow cell | | 14.03 | 0.981 | 7.65 | 2.21 | -2 | |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| **BOTTLES:** Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW019S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 0945 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ019I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafford |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:35 | 32° | Cloudy | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.47 | 0.704 | 7.67 | 1.67 | -43 | Clear |
| 2 | low-flow cell | | 14.48 | 0.705 | 7.56 | 1.02 | -43 | ↓ |
| 3 | low-flow cell | | 14.47 | 0.705 | 7.54 | 0.92 | -43 | ↓ |
| 4 | low-flow cell | | 14.38 | 0.708 | 7.53 | 0.86 | -43 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ019I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 0950 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW020S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafford |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:10 | 32° | Cloudy | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 13.89 | 1,195 | 7.51 | 3.19 | -41 | Clear |
| 2 | low-flow cell | | 13.96 | 1,190 | 7.44 | 2.91 | -41 | |
| 3 | low-flow cell | | 13.94 | 1,191 | 7.42 | 2.81 | -41 | |
| 4 | low-flow cell | | 13.89 | 1,198 | 7.41 | 2.74 | -41 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW020S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 09:15 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ020D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafford |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:05 | 32° | Cloudy | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.50 | 0.722 | 7.66 | 0.65 | -37 | Clear |
| 2 | low-flow cell | | 14.50 | 0.722 | 7.66 | 0.51 | -50 | ↓ |
| 3 | low-flow cell | | 14.47 | 0.721 | 7.64 | 0.42 | -55 | ↓ |
| 4 | low-flow cell | | 14.49 | 0.721 | 7.63 | 0.37 | -59 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| **BOTTLES:** Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ020D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 9:20 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ021I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafford |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:55 | 32° | Cloudy | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.11 | 0.626 | 7.77 | 1.97 | -42 | clear |
| 2 | low-flow cell | | 14.14 | 0.629 | 7.61 | 0.96 | -43 | ↓ |
| 3 | low-flow cell | | 14.11 | 0.633 | 7.60 | 0.84 | -43 | |
| 4 | low-flow cell | | 14.10 | 0.635 | 7.59 | 0.74 | -43 | |
| 5 | low-flow cell | | 14.15 | 0.630 | 7.58 | 0.67 | -43 | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ021I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 10:10 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ022I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 1450 | 42° | Sunny | 50% | 5-10 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.08 | 0.763 | 8.12 | 1.69 | -38 | clear |
| 2 | low-flow cell | | 15.07 | 0.735 | 7.95 | 0.99 | -37 | |
| 3 | low-flow cell | | 15.07 | 0.726 | 7.93 | 0.88 | -37 | |
| 4 | low-flow cell | | 15.05 | 0.729 | 7.89 | 0.79 | -37 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ022I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 15:00 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW024S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanski |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:50 | 38° | Mty Sunny | 60 % | 5 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.69 | 1.042 | 7.77 | 1.45 | -33 | Clear |
| 2 | low-flow cell | | 15.66 | 1.025 | 7.75 | 0.82 | -30 | ↓ |
| 3 | low-flow cell | | 15.71 | 1.021 | 7.74 | 0.74 | -29 | ↓ |
| 4 | low-flow cell | | 15.71 | 1015 | 7.75 | 0.68 | -29 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW024S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 14:05 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ024I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:55 | 38° | ptly Sunny | 60% | 5 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.06 | 1.045 | 7.89 | 1.64 | -37 | Clear |
| 2 | low-flow cell | | 15.05 | 1.052 | 7.71 | 0.99 | -37 | ↓ |
| 3 | low-flow cell | | 15.04 | 1.048 | 7.69 | 0.89 | -37 | ↓ |
| 4 | low-flow cell | | 15.03 | 1.049 | 7.66 | 0.81 | -36 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ024I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 1400 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ024D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafford |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 14:00 | 38° | ptly Sunny | 60% | 5 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.51 | 0.923 | 7.56 | 1.27 | -38 | Clear |
| 2 | low-flow cell | | 14.77 | 0.920 | 7.57 | 0.86 | -38 | ↓ |
| 3 | low-flow cell | | 14.33 | 0.933 | 7.59 | 0.85 | -38 | ↓ |
| 4 | low-flow cell | | 14.21 | 0.921 | 7.60 | 0.92 | -38 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ024D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 14:10 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-255 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanski |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:15 | 32° | Cloudy | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.16 | 0.908 | 7.53 | 1.07 | -38 | Clear |
| 2 | low-flow cell | | 16.09 | 0.914 | 7.54 | 0.98 | -38 | ↓ |
| 3 | low-flow cell | | 16.13 | 0.920 | 7.50 | 0.88 | -37 | ✓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-255 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1325 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

PZ-25I

| | | | |
|---|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** ~~25~~ MS 3/25/02 | |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: | 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: | M. Stefanski |
| Dayton, Ohio | | Pump #: | dedicated |
| | | Bladder #: | dedicated |
| | | Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 15:05 | 32° | Cloudy | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.85 | 1.171 | 7.25 | 0.59 | -39 | Clear |
| 2 | low-flow cell | | 15.86 | 1.166 | 7.20 | 0.40 | -39 | ↓ |
| 3 | low-flow cell | | ~~15.89~~ LE 15.88 | 1.166 | 7.20 | 0.50 | -40 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-25I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1510 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-25D. |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:10 | 32° | Cloudy | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.21 | 0.891 | 7.17 | 1.64 | -117 | Clear |
| 2 | low-flow cell | | 15.13 | 0.892 | 7.29 | 1.21 | -118 | ↓ |
| 3 | low-flow cell | | 15.07 | 0.891 | 7.32 | 1.12 | -118 | |
| 4 | low-flow cell | | 15.03 | 0.892 | 7.36 | 1.03 | -118 | ✓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-25D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1520 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW26-S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 1550 | 32°F | Rain | 100% | 10-15mph | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.86 | 1.264 | 7.42 | 0.76 | -114 | Clear |
| 2 | low-flow cell | | 15.88 | 1.263 | 7.45 | 0.63 | -114 | ↓ |
| 3 | low-flow cell | | 15.81 | 1.267 | 7.46 | 0.56 | -114 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-26S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1550 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-26I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 15:30 | 32° | Cloudy | 100% | 10-15 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.52 | 1,274 | 7.18 | 0.74 | -114 | Clear |
| 2 | low-flow cell | | 15.52 | 1,274 | 7.20 | 0.61 | -114 | ↓ |
| 3 | low-flow cell | | 15.52 | 1,275 | 7.22 | 0.52 | -114 | ↓ |
| 4 | low-flow cell | | 15.46 | 1,276 | 7.24 | 0.47 | -115 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-26I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1540 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-26D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 15:35 | 32° | cloudy | 100% | 10-15 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.90 | 0.917 | 7.30 | 0.68 | -48 | Clear |
| 2 | low-flow cell | | 14.91 | 0.917 | 7.30 | 0.54 | -49 | ↓ |
| 3 | low-flow cell | | 14.91 | 0.917 | 7.29 | 0.42 | -50 | ↓ |
| 4 | low-flow cell | | 14.86 | 0.918 | 7.27 | 0.36 | -51 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-26D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1545 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW027 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/0 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefa |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No |
|---|---|---|---|---|---|---|---|---|
| 13:40 | 37° | cloudy | 60% | 5 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow ce |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.87 | 0.731 | 7.83 | 0.57 | -58 | Clear |
| 2 | low-flow cell | | 15.91 | 0.732 | 7.83 | 0.47 | -60 | \| |
| 3 | low-flow cell | | 15.89 | 0.733 | 7.83 | 0.43 | -62 | \| |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW027S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 13:45 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ027I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:30 | 37° | cloudy | 60% | 5 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.55 | 0.761 | 7.84 | 0.58 | -56 | Clear |
| 2 | low-flow cell | | 15.53 | 0.761 | 7.83 | 0.46 | -51 | ↓ |
| 3 | low-flow cell | | 15.48 | 0.761 | 7.82 | 0.39 | -52 | |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ027I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 13:30 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ027D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stybrudt |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:35 | 37° | cloudy | 60% | 5 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.80 | 0.720 | 7.82 | 1.52 | -44 | clear |
| 2 | low-flow cell | | 14.84 | 0.720 | 7.82 | 1.39 | -45 | clear |
| 3 | low-flow cell | | 14.84 | 0.718 | 7.81 | 1.28 | -46 | clear |
| 4 | low-flow cell | | 14.84 | 0.717 | 7.81 | 1.20 | -47 | clear |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ027D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | |
| PZ027D-DUP | 3 | 40ml | VOA, glass | TCL VOC 5030B/5035/8260B | HCL | 3/27/02 | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | | |
|---|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW028S | |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 | |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff | |
| Dayton, Ohio | | Pump #: dedicated | |
| | | Bladder #: dedicated | |
| | | Bailer Type: low-flow cell | |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:55 | 34° | pty Sunny | 60% | 5 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.05 | 1.092 | 7.50 | 0.44 | -14 | Clear |
| 2 | low-flow cell | | 16.05 | 1.093 | 7.50 | 0.35 | -14 | ↓ |
| 3 | low-flow cell | | 16.00 | 1.093 | 7.50 | 0.29 | -14 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW028S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 11:05 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ028I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafurdf |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:45 | 34° | Partly Sunny | 60% | 5 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.85 | 0.951 | 7.61 | 0.55 | -20 | Clear |
| 2 | low-flow cell | | 15.86 | 0.951 | 7.60 | 0.36 | -20 | ↓ |
| 3 | low-flow cell | | 15.91 | 0.951 | 7.59 | 0.29 | -20 | ↓ |
| 4 | low-flow cell | | 15.92 | 0.951 | 7.58 | 0.25 | -19 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ028I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 16:55 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ028D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:50 | 34° | Partly Sunny | 60% | 5 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.31 | 0.942 | 7.83 | 1.42 | -40 | Clear |
| 2 | low-flow cell | | 15.23 | 0.940 | 7.78 | 1.29 | -40 | ↓ |
| 3 | low-flow cell | | 15.15 | 0.942 | 7.75 | 1.23 | -40 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ028D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 11:00 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW029S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:20 | 32° | pty Sunny | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.87 | 1.194 | 7.50 | 0.69 | -35 | clear |
| 2 | low-flow cell | | 15.85 | 1.194 | 7.49 | 0.61 | -33 | clear |
| 3 | low-flow cell | | 15.78 | 1.192 | 7.49 | 0.59 | -31 | clear |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW029S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 10:30 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: PZ29I |
| **LOCATION:** 1600 Webster Street | | Inspectors: 3/27/02 |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:15 | 32° | ptly Sunny | 60 % | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.51 | 1.028 | 7.81 | 0.81 | -36 | Clear |
| 2 | low-flow cell | | 15.61 | 1.032 | 7.76 | 0.67 | -36 | ↓ |
| 3 | low-flow cell | | 15.61 | 1.033 | 7.72 | 0.59 | -35 | ↓ |
| 4 | low-flow cell | | 15.60 | 1.039 | 7.69 | 0.52 | -35 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ029I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/29/02 | 10:15 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ29D |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | 3/27/02 |
| Inspectors: | M. Stefanoff |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:10 | 32° | pty Sunny | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.15 | 1.122 | 7.63 | 0.98 | -63 | clear |
| 2 | low-flow cell | | 15.19 | 1.122 | 7.63 | 0.49 | -73 | ↓ |
| 3 | low-flow cell | | 15.17 | 1.122 | 7.63 | 0.41 | -76 | ↓ |
| 4 | low-flow cell | | 15.15 | 1.118 | 7.63 | 0.31 | -79 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ29D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 10:20 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-0305 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:15 | 30° | pttly cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.51 | 1.159 | 7.63 | 1.11 | -35 | Cloudy |
| 2 | low-flow cell | | 16.51 | 1.164 | 7.48 | 1.37 | -37 | ↓ |
| 3 | low-flow cell | | 16.43 | 1.166 | 7.47 | 1.26 | -37 | ↓ |
| 4 | low-flow cell | | 16.53 | 1.163 | 7.45 | 1.38 | -38 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW0305 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 9:15 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-030I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanof |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:10 | 30° | partly cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.46 | 1.134 | 7.67 | 1.60 | -52 | Cloudy |
| 2 | low-flow cell | | 16.42 | 1.134 | 7.66 | 1.65 | -58 | ↓ |
| 3 | low-flow cell | | 16.39 | 1.134 | 7.65 | 1.55 | -63 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ030I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 9:25 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-030D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stephanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:20 | 30° | pttly cloudy | 60 % | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.67 | 1.312 | 7.54 | 1.19 | -69 | Cloudy, gray |
| 2 | low-flow cell | | 15.71 | 1.312 | 7.56 | 1.08 | -72 | ↓ |
| 3 | low-flow cell | | 15.73 | 1.312 | 7.57 | 1.00 | -74 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ030D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 9:20 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW031S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 12:20 | 34° | Cloudy | 60% | 5-10 | N | Wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.32 | 0.877 | 7.86 | 1.01 | -39 | clear |
| 2 | low-flow cell | | 15.32 | 0.880 | 7.80 | 0.91 | -39 | clear |
| 3 | low-flow cell | | 15.29 | 0.881 | 7.75 | 0.76 | -39 | clear |
| 4 | low-flow cell | | 15.23 | 0.880 | 7.71 | 0.73 | -39 | clear |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW031S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 12:35 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ031I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 12:15 | 34° | Cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.07 | 0.814 | 7.80 | 0.59 | -69 | Clear |
| 2 | low-flow cell | | 15.08 | 0.813 | 7.79 | 0.50 | -72 | ↓ |
| 3 | low-flow cell | | 15.06 | 0.811 | 7.77 | 0.43 | -74 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ031I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 12:30 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** P2031D |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | 3/27/02 |
| Inspectors: | M. Stafford |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 12:25 | 34° | Cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.88 | 0.786 | 7.64 | 0.51 | -43 | clear |
| 2 | low-flow cell | | 14.88 | 0.786 | 7.64 | 0.43 | -43 | ↓ |
| 3 | low-flow cell | | 14.88 | 0.787 | 7.63 | 0.36 | -42 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| P2031D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 12:35 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-32S |

| | |
|---|---|
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | Date: 03/26/02 |
| **LOCATION:** 1600 Webster Street | Inspectors: 3/25/02 |
| Dayton, Ohio | Pump #: dedicated |
| | Bladder #: dedicated |
| | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:25 | 34°F | Rain | 100% | 10-15mph | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.12 | 1.118 | 7.43 | 2.42 | -57 | Clear |
| 2 | low-flow cell | | 16.13 | 1.115 | 7.42 | 2.30 | -56 | |
| 3 | low-flow cell | | 16.08 | 1.113 | 7.44 | 2.25 | -56 | |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-32S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | 13:25 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-32I |

| | | | |
|---|---|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling | Date: | 03/25/02 |
| **LOCATION:** | 1600 Webster Street | Inspectors: | MTS |
| | Dayton, Ohio | Pump #: | dedicated |
| | | Bladder #: | dedicated |
| | | Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| | 32° | Cloudy | 100% | 10-15 mph | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.36 | 1.056 | 7.21 | 1.16 | -121 | Clear |
| 2 | low-flow cell | | 16.32 | 1.055 | 7.39 | 0.67 | -123 | \| |
| 3 | low-flow cell | | 16.40 | 1.056 | 7.42 | 0.58 | -124 | \| |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| **BOTTLES:** Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-32I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1315 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-32D |

| | |
|---|---|
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | Inspectors: M. Stafford |
| Dayton, Ohio | Pump #: dedicated |
| | Bladder #: dedicated |
| | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:00 | 32° | Cloudy | 100% | 10-15 mph | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.77 | 1.122 | 7.35 | 0.58 | -65 | Clear |
| 2 | low-flow cell | | 15.83 | 1.121 | 7.31 | 0.41 | -66 | \| |
| 3 | low-flow cell | | 15.87 | 1.121 | 7.33 | 0.56 | -67 | \| |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-32D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 13:10 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-33S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions |
|---|---|---|---|---|---|---|
| 1350 | 34°F | Rain | 100% | 10-15mph | N | Wet |
| | | | | | | |
| | | | | | | |

**MONITORING**

| Instrument | Model No. |
|---|---|
| | |
| | |
| | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.64 | 1.211 | 7.07 | 2.79 | -57 | Clear |
| 2 | low-flow cell | | 16.31 | 1.177 | 7.27 | 1.19 | -50 | ↓ |
| 3 | low-flow cell | | 16.38 | 1.183 | 7.26 | 1.10 | -49 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-33S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1350 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-33I |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | 3/25/02 |
| Inspectors: | M. Stefanoff |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:40 | 32° | cloudy, rain | 100% | 10-15 mph | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.57 | 1.06 | 7.28 | 2.07 | -48 | Clear |
| 2 | low-flow cell | | 15.65 | 1.076 | 7.39 | 1.46 | -53 | |
| 3 | low-flow cell | | 15.70 | 1.070 | 7.37 | 0.43 | -63 | |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-33I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 13:40 |
| PZ-33I Dup. | 3 | 40 mL | VOA, gl | " | HCl | 3/25/02 | 13:40 |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-33D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:45 | cloudy, rain | 32° | 100% | 10-15mph | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.24 | 1.126 | 7.22 | 0.85 | -120 | Clear |
| 2 | low-flow cell | | 15.24 | 1.127 | 7.27 | 0.73 | -120 | " |
| 3 | low-flow cell | | 15.22 | 1.129 | 7.29 | 0.61 | -121 | " |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-33D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | 1345 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-345 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| | 32° | Cloudy | 100% | 10 mph | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.97 | 1.011 | 7.53 | 0.97 | -119 | Clear |
| 2 | low-flow cell | | 14.98 | 1.009 | 7.55 | 0.68 | -119 | ↓ |
| 3 | low-flow cell | | 14.96 | 1.012 | 7.55 | 0.64 | -119 | ↓ |
| 4 | low-flow cell | | 14.89 | 1.012 | 7.56 | 0.63 | -119 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-345 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1420 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-34I |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | 3/25/02 |
| Inspectors: | M. Stefanski |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 14:05 | 32° | cloudy | 100% | 10 | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.81 | 1.093 | 7.23 | 0.98 | -118 | Clear |
| 2 | low-flow cell | | 14.85 | 1.091 | 7.32 | 0.70 | -119 | ↓ |
| 3 | low-flow cell | | 14.85 | 1.092 | 7.36 | 0.61 | -119 | ↓ |
| 4 | low-flow cell | | 14.85 | 1.093 | 7.39 | 0.52 | -119 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-34I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1410 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-34D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanof |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 1415 | 32° | cloudy | 100% | 10 | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.38 | 1.128 | 7.27 | 1.83 | -47 | Clean |
| 2 | low-flow cell | | 14.54 | 1.125 | 7.27 | 0.38 | -57 | ↓ |
| 3 | low-flow cell | | 14.56 | 1.125 | 7.29 | 0.32 | -58 | |
| 4 | low-flow cell | | 14.62 | 1.125 | 7.27 | 0.29 | -58 | ✓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-34D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1415 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-35S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: LF MW-03b5/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: CTE, MTS, ATR |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 1250 | 34°F | clouds/cold | 90% | 10mph | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.40 | 1.003 | 7.52 | 2.71 | -122 | slightly Cloudy |
| 2 | low-flow cell | | 15.48 | 1.004 | 7.54 | 2.58 | -123 | |
| 3 | low-flow cell | | 15.47 | 1.003 | 7.56 | 2.50 | -123 | |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-35S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | 1250 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-35I |

| | |
|---|---|
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | Inspectors: M. Stefanoff |
| Dayton, Ohio | Pump #: dedicated |
| | Bladder #: dedicated |
| | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 12:40 | 32° | Cloudy | 100% | 10 | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 13.88 | 1.011 | 6.78 | 6.00 | -113 | Clear |
| 2 | low-flow cell | | 15.32 | 1.09 | 7.15 | 1.47 | -122 | Clear |
| 3 | low-flow cell | | 15.34 | 1.092 | 7.21 | 1.37 | -123 | Clear |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-35I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 12:45 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-35D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 12:40 | 32° | Cloudy | 90% | 10mph | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| *Gallons/Foot* | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.14 | 1.080 | 7.27 | 0.59 | -67 | Clear |
| 2 | low-flow cell | | 15.16 | 1.080 | 7.29 | 0.47 | -68 | ↓ |
| 3 | low-flow cell | | 15.20 | 1.080 | 7.28 | 0.40 | -69 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-35D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 12:40 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-365 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stokanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 1455 | 32° | Cloudy | 100% | 15 | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.96 | 0.893 | 7.42 | 1.95 | -46 | Slightly cloudy |
| 2 | low-flow cell | | 14.87 | 0.880 | 7.42 | 1.95 | -45 | ↓ |
| 3 | low-flow cell | | 14.94 | 0.879 | 7.41 | 2.00 | -44 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-365 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1455 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-36I |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | 3/25/02 |
| Inspectors: | M. Stefanski |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 14:30 | 32° | Cloudy | 100% | 15 | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.63 | 1.004 | 7.33 | 1.27 | -118 | Clear |
| 2 | low-flow cell | | 14.72 | 1.004 | 7.42 | 0.81 | -119 | ↓ |
| 3 | low-flow cell | | 14.71 | 1.005 | 7.47 | 0.72 | -120 | ✓ |
| 4 | low-flow cell | | 14.63 | 1.005 | 7.49 | 0.63 | -120 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-36I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1445 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-36D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 14:35 | 32° | cloudy | 100% | 15 | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.42 | 1,094 | 7.39 | 0.44 | -56 | Clear |
| 2 | low-flow cell | | 14.36 | 1,094 | 7.37 | 0.38 | -58 | ↓ |
| 3 | low-flow cell | | 14.40 | 1,095 | 7.37 | 0.30 | -59 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-36D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/25/02 | 1435 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-37S |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | 3/25/02 |
| Inspectors: | M. Stefanoff |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:35 | 30° | rain | 100% | N | 20mph | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.47° | 1.061 | 7.54 | 0.58 | -59 | rust orange |
| 2 | low-flow cell | | 15.52° | 1.059 | 7.59 | 0.76 | -59 | |
| 3 | low-flow cell | | 15.53° | 1.049 | 7.56 | 0.80 | -58 | |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-37S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | 10:30 ~~10:35~~ |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-37I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafford |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:15 | 30° | rain | 100% | N | 20 mph | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.08° | 1.235 | 7.29 | ~~0.70~~ 0.65 | -67 | Clear |
| 2 | low-flow cell | | 16.22° | 1.233 | 7.25 | 0.56 | -67 | ↓ |
| 3 | low-flow cell | | 16.24° | 1.233 | 7.27 | 0.46 | -67 | ↓ |
| 4 | low-flow cell | | 16.22 | 1.231 | 7.33 | 0.22 | -68 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-37I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | 10:15 ~~10:15~~ |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-37D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 03/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafford |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 1020 | | Rain/snow | 100% | 20 mph | N/NE | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.85 | 0.788 | 6.92 | 1.88 | -104 | Clear |
| 2 | low-flow cell | | 14.87 | 0.788 | 6.99 | 1.80 | -104 | Clear |
| 3 | low-flow cell | | 14.80 | 0.788 | 7.05 | 1.73 | -104 | Clear |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-37D | ~~10~~ 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | ~~10:20~~ 10:20 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-38S |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 11:20 | 32° | cloudy | 98% | N | 10 mph | Wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.87° | 0.851 | 7.41 | 3.41 | -129 | clear |
| 2 | low-flow cell | | 14.86° | 0.851 | 7.48 | 3.35 | -129 | " |
| 3 | low-flow cell | | 14.86° | 0.851 | 7.48 | 3.27 | -130 | " |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| **BOTTLES:** Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-38S | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | ~~11:20~~ @ 11:25 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-38I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stylandl |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 11:10 | 32° | Cloudy | 100° | N | 18mph | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.65° | 1.023 | 7.07 | 0.58 | -129 | Clear |
| 2 | low-flow cell | | 14.67° | 1.024 | 7.13 | 0.49 | -129 | ↓ |
| 3 | low-flow cell | | 14.51° | 1.025 | 7.20 | 0.41 | -130 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-38-I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | 1410 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ-38D |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | 3/25/02 |
| Inspectors: | M. Stafanj |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 11:15 | 32° | Cloudy | 100% | N | 10mph | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.42° | 0.902 | 7.29 | 1.51 | -49 | Clear |
| 2 | low-flow cell | | 14.61° | 0.874 | 7.38 | 0.82 | -52 | |
| 3 | low-flow cell | | 14.67° | 0.871 | 7.33 | 0.51 | -54 | |
| 4 | low-flow cell | | 14.67° | 0.871 | 7.33 | 0.51 | -54 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ-38D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | 11:25 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW0395 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stylanp |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:40 | 30° | Cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 13.69 | 1.175 | 7.74 | 3.51 | -34 | clear |
| 2 | low-flow cell | | 17.18 | 1.140 | 7.62 | 0.56 | -30 | |
| 3 | low-flow cell | | 17.17 | 1.143 | 7.60 | 0.58 | -29 | |
| 4 | low-flow cell | | 17.17 | 1.152 | 7.59 | 0.52 | -28 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW0395 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 9:50 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ039I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanski |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:45 | 30° | Cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.54 | 0.941 | 7.83 | 0.90 | -41 | Clear |
| 2 | low-flow cell | | 16.53 | 0.942 | 7.78 | 0.72 | -42 | ↓ |
| 3 | low-flow cell | | 16.47 | 0.948 | 7.74 | 0.61 | -42 | |
| 4 | low-flow cell | | 16.45 | 0.945 | 7.71 | 0.55 | -42 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ039I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 9:45 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ039D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanof |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:48 | 30° | cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.06 | 1.057 | 7.49 | 1.57 | -40 | gray |
| 2 | low-flow cell | | 15.99 | 1.054 | 7.50 | 1.47 | -41 | ↓ |
| 3 | low-flow cell | | 15.78 | 1.055 | 7.51 | 1.39 | -41 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ039D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 9:55 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW0405 |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | 03/27/02 |
| Inspectors: | [illegible] |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 12:50 | 34° | Cloudy | 60% | 5-10 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.68 | 0.781 | 7.90 | 1.86 | -38 | clear |
| 2 | low-flow cell | | 16.68 | 0.781 | 7.70 | 0.80 | -45 | clear |
| 3 | low-flow cell | | 16.43 | 0.787 | 7.69 | 0.80 | -38 | clear |
| 4 | low-flow cell | | 16.60 | 0.783 | 7.68 | 0.75 | -38 | clear |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MS 3/27/02 MW0405 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ040I |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 12:55 | 34° | cloudy | 60% | 5-10 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.21 | 0.835 | 7.67 | 0.58 | -90 | clear |
| 2 | low-flow cell | | 16.19 | 0.836 | 7.67 | 0.49 | -91 | / |
| 3 | low-flow cell | | 16.15 | 0.835 | 7.67 | 0.43 | -92 | / |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ040I | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 13:00 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** PZ040D |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 12:45 | 34° | Cloudy | 60% | 5-10 | N | dry | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | ~~9.06~~ | ~~0.001~~ | | | ~~-21~~ | ~~3/27~~ |
| ~~2~~ 1 | low-flow cell | | 15.80 | 0.855 | 7.72 | 0.81 | -86 | clear |
| ~~3~~ 2 | low-flow cell | | 15.70 | 0.858 | 7.72 | 0.55 | -93 | |
| ~~4~~ 3 | low-flow cell | | 15.68 | 0.859 | 7.72 | 0.48 | -95 | |
| ~~5~~ 4 | low-flow cell | | 15.62 | 0.858 | 7.72 | 0.40 | -97 | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| PZ040D | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 13:05 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW-A001 |

| | |
|---|---|
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | Date: 03/26/02 |
| **LOCATION:** 1600 Webster Street | Inspectors: L. Escalon |
| Dayton, Ohio | Pump #: dedicated |
| | Bladder #: dedicated |
| | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 08:25 | 33°F | Rain | 100% | 5-10mph | NE | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 18.93 | 0.877 | 7.25 | ~~21.82~~ 2.02 | -45 | Clear |
| 2 | low-flow cell | | 18.99 | 0.876 | 7.21 | 0.91 | -43 | |
| 3 | low-flow cell | | 18.96 | 0.878 | 7.22 | 0.79 | -43 | |
| 4 | low-flow cell | | 18.93 | 0.880 | 7.23 | 0.69 | -43 | |
| 5 | low-flow cell | | 19.01 | 0.876 | 7.23 | 0.64 | -43 | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MW-A001 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/26/02 | 08:30 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWA 002 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:15 | 33° | rain | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 18.77 | 0.866 | 7.38 | 0.55 | -18 | Clear |
| 2 | low-flow cell | | 18.84 | 0.869 | 7.36 | 0.43 | -18 | ↓ |
| 3 | low-flow cell | | 18.88 | 0.869 | 7.36 | 0.30 | -18 | |
| 4 | low-flow cell | | 18.85 | 0.869 | 7.35 | 0.29 | -18 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWA002 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 13:15 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWA003 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stafford |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 12:45 | 32° | rain | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 19.55 | 1.159 | 7.64 | 0.71 | -48 | clear |
| 2 | low-flow cell | | 19.70 | 1.169 | 7.60 | 0.61 | -48 | ✓ |
| 3 | low-flow cell | | 19.73 | 1.177 | 7.58 | 0.51 | -48 | ✓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWA003 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 12:50 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MW A004 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: MS 3/26/02 MWA004 3/26/ |
| **LOCATION:** 1600 Webster Street | | Inspectors: [illegible] |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 1520 | 30° | Cloudy | 100% | 10-15 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 18.47 | ~~7.48~~ 0.790 LE | 7.48 | 0.37 | -70 | Clear |
| 2 | low-flow cell | | 18.44 | 0.774 | 7.47 | 0.35 | -69 | ↓ |
| 3 | low-flow cell | | 18.44 | 0.772 | 7.47 | 0.32 | -69 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWA004 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 1530 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWA005 |

**PROJECT:** Dayton Thermal Products, March 2002 GW Sampling

**LOCATION:** 1600 Webster Street
Dayton, Ohio

Date: 3/26/02
Inspectors: M. Stefanski
Pump #: dedicated
Bladder #: dedicated
Bailer Type: low-flow cell

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:50 | 32° | Cloudy, drizzle | 100 % | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 18.38 | 1.289 | 7.73 | 1.04 | -48 | Clear |
| 2 | low-flow cell | | 18.39 | 1.277 | 7.69 | 0.74 | -48 | ↓ |
| 3 | low-flow cell | | 18.27 | 1.281 | 7.67 | 0.66 | -49 | ↓ |
| 4 | low-flow cell | | 18.40 | 1.276 | 7.66 | 0.59 | -49 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWA005 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 1110S |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWA006 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 7:40 | 28° | Cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 20.02 | 1.209 | 7.47 | 0.51 | 4 | clear |
| 2 | low-flow cell | | 20.00 | 1.207 | 7.44 | 0.40 | 4 | ↓ |
| 3 | low-flow cell | | 20.03 | 1.205 | 7.42 | 0.33 | 4 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWA006 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 7:50 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | | |
|---|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWB1 | |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: | 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: | Monica, Lachmi |
| Dayton, Ohio | | Pump #: | dedicated |
| | | Bladder #: | dedicated |
| | | Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 0915 | 34°F | Rain/snow | 100% | 20mph | N/NE | Wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.85 | 0.788 | 6.92 | ~~18.7~~ 1.88 | -104 | Clear |
| 2 | low-flow cell | | 14.87 | 0.788 | 6.99 | 1.80 | -104 | Clear |
| 3 | low-flow cell | | 14.80 | 0.788 | 7.05 | 1.73 | -104 | Clear |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWB1 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | 0915 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWB002 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:20 | 32° | Cloudy | 100% | 5-10 | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.83 | 1.244 | 7.36 | 1.52 | -44 | Clear |
| 2 | low-flow cell | | 15.95 | 1.241 | 7.42 | 1.00 | -47 | ↓ |
| 3 | low-flow cell | | 15.95 | 1.244 | 7.45 | 0.90 | -47 | ↓ |
| 4 | low-flow cell | | 16.05 | 1.244 | 7.46 | 0.81 | -48 | ↓ |
| 5 | low-flow cell | | | | | | | |

*REMARKS:*

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWB002 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 10:46 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWB003 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 8:10 | 28° | cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 16.65 | 1.296 | 7.52 | 1.20 | 6 | Clear |
| 2 | low-flow cell | | 16.67 | 1.286 | 7.50 | 1.16 | 6 | ↓ |
| 3 | low-flow cell | | 16.66 | 1.277 | 7.48 | 1.02 | 5 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWB003 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 8:20 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWB004 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefanoff |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 9:50 | 32° | Cloudy | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.11 | 0.928 | 7.61 | 2.20 | -4 | clear |
| 2 | low-flow cell | | 15.11 | 0.925 | 7.56 | 2.20 | -4 | ↓ |
| 3 | low-flow cell | | 15.08 | 0.923 | 7.54 | 2.17 | -4 | ↓ |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWB004 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 10:00 |
| MWB004dup. | 3 | 40ml | " | " | " | 3/26/02 | 10:00 |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWB005 |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | 3/26/02 |
| Inspectors: | M. Stafford |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 1420 | 32° | Cloudy | 100% | 10-15 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.87 | 1.429 | 6.93 | 1.48 | -13 | Clear |
| 2 | low-flow cell | | 15.96 | 1.408 | 7.26 | 0.47 | -36 | ↓ |
| 3 | low-flow cell | | 15.96 | 1.408 | 7.24 | 0.39 | -38 | ↓ |
| 4 | low-flow cell | | 15.95 | 1.408 | 7.23 | 0.34 | -40 | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWB005 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 1430 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWB006 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/26/02 MWB006 |
| **LOCATION:** 1600 Webster Street | | Inspectors: [illegible] |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 13:00 | 32° | rain | 100% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 18.18 | 1.072 | 7.67 | 0.93 | -47 | clear |
| 2 | low-flow cell | | 18.18 | 1.071 | 7.62 | 0.78 | -47 | clear |
| 3 | low-flow cell | | 18.03 | 1.077 | 7.58 | 0.67 | -47 | clear |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWB006 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 13:00 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWC1 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/25/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 09:20 | 34°F | Rain/Snow | 100% | 20 mph | WNW | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 12.74 | 0.006 ~~0.006~~ | 7.77 | 2.31 | -25 | Clear |
| 2 | low-flow cell | | 12.74 | 0.006 | 7.77 | 2.31 | -25 | Clear |
| 3 | low-flow cell | | 12.31 | 0.006 | 7.77 | 2.32 | -24 | Clear |
| 4 | low-flow cell | | | | | | | |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWC1 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 03/25/02 | 0920 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWC002 |

| | |
|---|---|
| **PROJECT:** | Dayton Thermal Products, March 2002 GW Sampling |
| **LOCATION:** | 1600 Webster Street |
| | Dayton, Ohio |

| | |
|---|---|
| Date: | |
| Inspectors: | |
| Pump #: | dedicated |
| Bladder #: | dedicated |
| Bailer Type: | low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 10:25 | 32° | cloudy | 100% | 5-10 | N | wet, ice | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 14.85 | 0.795 | 7.18 | 0.84 | -30 | Clear |
| 2 | low-flow cell | | 14.90 | 0.790 | 7.17 | 0.73 | -28 | ↓ |
| 3 | low-flow cell | | 14.95 | 0.788 | 7.18 | 0.63 | -27 | ↓ |
| 4 | low-flow cell | | 14.95 | 0.786 | 7.22 | 0.56 | -29 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWC002 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/26/02 | 10:30 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

# DAIMLERCHRYSLER CORPORATION

## SAMPLING RECORD - GROUNDWATER

| | | |
|---|---|---|
| **CONSULTANT:** Leggette, Brashears & Graham, Inc. | **RFA NUMBER:** LBG02012 | **WELL #:** MWC003 |
| **PROJECT:** Dayton Thermal Products, March 2002 GW Sampling | | Date: 3/27/02 |
| **LOCATION:** 1600 Webster Street | | Inspectors: M. Stefany |
| Dayton, Ohio | | Pump #: dedicated |
| | | Bladder #: dedicated |
| | | Bailer Type: low-flow cell |

**WEATHER/FIELD CONDITIONS (Record Major Changes)**

| Time (24 hour) | Temp. (Approx) | Weather (General) | Relative Humidity (Approx) | Wind (From) Velocity (Approx) | Wind (From) Direction (0-360) | Ground/Site Surface Conditions | MONITORING Instrument | MONITORING Model No. |
|---|---|---|---|---|---|---|---|---|
| 8:15 | 28° | cloudy | 60% | 5-10 | N | wet | | |
| | | | | | | | | |
| | | | | | | | | |

**WELL DIAMETER FACTORS**

| Diameter (in) | 1 | 1.5 | 2 | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Gallons/Foot | 0.041 | 0.092 | 0.163 | 0.367 | 0.654 | 1.47 | 2.61 | 5.87 |

| DATA COLLECTED AT WELL SITE | Initial Depth to Water (ft) | Final Depth to Water (ft) | Depth to Top of Screen (ft) | PID Reading (Opening Well) | Depth to Pump Intake (ft) | Pumping Start Time (24 hour) |
|---|---|---|---|---|---|---|
| | | na | | na | | |

| 1 Total Depth (feet) | 2 Depth to Water (feet) | 3 Column of Standing Water in Well (feet) (1-2) | 4 Well Diameter Factor | 5 Volume in Gallons (3x4) | 6 Number of Well Volumes to be Evacuated | 7 Total Volume to be Evacuated (gallons) (5x6) |
|---|---|---|---|---|---|---|
| | | | 0.163 | | na | when stabilized per low-flow cell |

**MONITORING DATA COLLECTED DURING PURGING OPERATIONS**

| Cycle # | Pumping Rate (gal/min) | Cumulative Volume (gal) | Temperature (Celsius) | Spec. Cond. (umhos) | pH | Dissolved O2 (mg/L) | ORP (millivolts) | Turbidity (visual) |
|---|---|---|---|---|---|---|---|---|
| 1 | low-flow cell | | 15.97 | 1.007 | 7.61 | 1.07 | -21 | Clear |
| 2 | low-flow cell | | 15.93 | 1.010 | 7.56 | 0.96 | -28 | ↓ |
| 3 | low-flow cell | | 15.90 | 1.011 | 7.53 | 0.86 | -28 | ↓ |
| 4 | low-flow cell | | 15.94 | 1.007 | 7.51 | 0.78 | -28 | ↓ |
| 5 | low-flow cell | | | | | | | |

**REMARKS:**

| BOTTLES: Well Name | Count | Volume | Type: VOA, glass, amber, plastic | Analytes: VOC, SVOC, PAH, TPH, PCB, Metals, Pest, Herb, BTEX, dissolved... | Preservative: HCl, Na2SO4, NO3... | Date | Time |
|---|---|---|---|---|---|---|---|
| MWC003 | 3 | 40 ml | VOA, glass | TCL VOC, 5030B/5035/8260B | HCl | 3/27/02 | 8115 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Samples collected by Roy F. Weston, Miamisburg, Ohio

Samples analyzed by Lancaster Laboratories, Lancaster, PA

A SPRINGFIELD ENVIRONMENTAL COMPANY

LOCKWOOD LABORATORIES

*1989 - 1999 Ten Years of Excellence*

# FAX

Springfield Environmental, Inc.
1001 East Street
P.O. Box 2728
Springfield OH 45501-2728

**Date** 12-27-99

Number of pages including cover sheet 11

**To:** Jeff Fuston
Onyx

Phone 603-2899

Fax Phone 237-1850

**From:** Ed Lockwood

Phone (937)324-8001

Fax Phone (937)324-5185

CC: Brit Crider 937-224-2529

**REMARKS:**

☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

LOCKWOOD LABORATORIES

# Certificate of Analysis

*1989 - 1999 Ten Years of Excellence*



WMIS / ONYX
ATTN: JEFF FUSTON
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date: 12/27/99

Report Released By:

Ed Lockwood Jr., Pres.

PROJECT: Crysler / Dayton / Bldg. 53
SAMPLE ID: Press #20
SAMPLE TYPE: Solid
SAMPLER: J. Fuston
DATE TAKEN: 12/23/99 10:00 a.m.
DATE RECEIVED: 12/23/99

LABORATORY ID: 48229-144

ANALYSIS

| TEST | | RESULTS | UNITS | ANALYST | DATE | METHOD |
|---|---|---|---|---|---|---|
| Flashpoint | > | 212 | F | RM | 12/23/99 | 1010 |
| pH | | 9.1 | S.U. | RM | 12/23/99 | 9045 |
| TCLP Extraction | | | | EL | 12/23/99 | 1311 |
| TCLP Metals | | | | | | |
| Arsenic | < | 0.020 | mg/l | EL | 12/24/99 | 7060 |
| Barium | | 0.515 | mg/l | EL | 12/24/99 | 7080 |
| Cadmium | < | 0.020 | mg/l | EL | 12/24/99 | 7130 |
| Chromium | < | 0.050 | mg/l | EL | 12/24/99 | 7190 |
| Lead | < | 0.100 | mg/l | EL | 12/24/99 | 7420 |
| Mercury | < | 0.020 | mg/l | EL | 12/24/99 | 7470 |
| Selenium | < | 0.020 | mg/l | EL | 12/24/99 | 7740 |
| Silver | < | 0.010 | mg/l | EL | 12/24/99 | 7760 |

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LOCKWOOD LABORATORIES

# Certificate of Analysis

*1989 - 1999 Ten Years of Excellence*

ATTN JEFF FUSTON
WMIS / ONYX



SAMPLE ID: Crysler / Press #20
LABORATORY ID: 48229-144

ANALYSIS continued:

TCLP Volatiles:

| COMPONENT | CONCENTRATION | DETECTION LIMIT |
|---|---|---|
| Benzene | < 0.100 | 0.100 |
| Carbon Tetrachloride | < 0.100 | 0.100 |
| Chlorobenzene | < 0.100 | 0.100 |
| Chloroform | < 0.100 | 0.100 |
| 1,4-Dichlorobenzene | < 0.100 | 0.100 |
| 1,2-Dichloroethane | < 0.100 | 0.100 |
| 1,1-Dichloroethylene | < 0.100 | 0.100 |
| Methyl ethyl ketone | < 0.500 | 0.500 |
| Tetrachloroethylene | < 0.100 trace | 0.100 |
| Trichloroethylene | < 0.100 | 0.100 |
| Vinyl chloride | < 0.100 | 0.100 |

TCLP Semi-Volatiles:

| | | |
|---|---|---|
| 2,4-Dinitrotoluene | < 0.100 | 0.100 |
| Hexachlorobenzene | < 0.100 | 0.100 |
| Hexachlorobutadiene | < 0.100 | 0.100 |
| Hexachloroethane | < 0.100 | 0.100 |
| Nitrobenzene | < 0.100 | 0.100 |
| Pryidine | < 0.100 | 0.100 |
| 2-Methylphenol | < 0.100 | 0.100 |
| 3-Methylphenol | < 0.100 | 0.100 |
| 4-Methylphenol | < 0.100 | 0.100 |
| Pentachlorophenol | < 0.100 | 0.100 |
| 2,4,5-Trichlorophenol | < 0.100 | 0.100 |
| 2,4,6-Trichlorophenol | < 0.100 | 0.100 |

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LOCKWOOD LABORATORIES

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ATTN JEFF FUSTON
WMIS / ONYX



SAMPLE ID: Crysler / Press #20
LABORATORY ID: 48229-144

ANALYSIS continued:

| TEST | RESULT | UNITS | ANALYST | DATE | METHOD |
|---|---|---|---|---|---|
| Reactivity | | | | | |
| Cyanide | < 1.0 | mg/kg | RM | 12/26/99 | 9010 |
| Sulfide | < 5.0 | mg/kg | RM | 12/26/99 | 9030 |
| PCB, Total | < 10.0 | mg/kg | RM | 12/26/99 | 8082 |
| TCLP Volatiles | pg 2 | mg/l | RM | 12/24/99 | 8260 |
| TCLP Semi-Volatiles | pg 2 | mg/l | RM | 12/24/99 | 8270 |
| TCLP Pesticide/Herbicide | | mg/l | RM | 12/26/99 | 8080 |

| COMPONENT | CONCENTRATION | DETECTION LIMIT |
|---|---|---|
| Chlordane | < 0.008 | 0.008 |
| Endrin | < 0.008 | 0.008 |
| Heptachlor | < 0.008 | 0.008 |
| Heptachlor Epoxide | < 0.008 | 0.008 |
| Lindane | < 0.008 | 0.008 |
| Methoxychlor | < 1.0 | 1.0 |
| Toxaphene | < 0.050 | 0.050 |
| 2,4-D | < 1.0 | 1.0 |
| 2,4,5-TP (Silvex) | < 0.100 | 0.100 |

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LOCKWOOD LABORATORIES

# Certificate of Analysis

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ATTN JEFF FUSTON
ONYX / WMIS
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date: 12/27/99
Report Released By:

Ed Lockwood Jr., Pres.

PROJECT: Crysler / Bldg. 53
LOCATION: Press #20
SAMPLE TYPE: Solid
DATE TAKEN: 12/23/99 10:00 a.m.
DATE RECEIVED: 12/23/99

LABORATORY ID: 48229-144

**TOTAL VOLATILES:**

| COMPONENT | CONCENTRATION (ug/kg) | DETECTION LIMIT |
|---|---|---|
| Acetone | <100 | 100 |
| Acetonitrile | < 50 | 50 |
| Acrolein | <100 | 100 |
| Acrylonitrile | <100 | 100 |
| Allyl Chloride | < 50 | 50 |
| Benzene | 6.16 | 5 |
| Bromodichloromethane | < 5 | 5 |
| Bromoform | < 5 | 5 |
| Bromomethane | < 10 | 10 |
| 2-Butanone | < 50 | 50 |
| Carbon Disulfide | < 10 | 10 |
| Carbon Tetrachloride | < 5 | 5 |
| Chlorobenzene | < 5 | 5 |
| Chloroethane | < 10 | 10 |
| 2-Chloroethyl Vinyl Ether | < 10 | 10 |
| Chloroform | < 5 | 5 |
| Chloromethane | < 10 | 10 |
| Dibromochloromethane | < 5 | 5 |
| 1,2-Dibromo-3-chloropropane | < 50 | 50 |
| 1,2-Dibromoethane | < 5 | 5 |
| 1,2-Dichlorobenzene | < 5 | 5 |
| 1,3-Dichlorobenzene | < 5 | 5 |
| 1,4-Dichlorobenzene | < 5 | 5 |
| trans-1,4-Dichloro-2-butene | < 5 | 5 |
| Dichlorodifluoromethane | < 10 | 10 |

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ATTN JEFF FUSTON
ONYX / WASTE MANAGEMENT INDUSTRIAL SERVICES

SAMPLE ID: Crysler / Press #20
SAMPLE LOG #: 48229-144

| COMPONENT | CONCENTRATION (ug/kg) | DETECTION LIMIT |
|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 |
| 1,2-Dichloroethane | < 5 | 5 |
| 1,1-Dichloroethene | < 5 | 5 |
| trans-1,2-Dichloroethene | < 5 | 5 |
| 1,2-Dichloropropane | < 5 | 5 |
| cis-1,3-Dichloropropene | < 5 | 5 |
| trans-1,3-Dichloropropene | < 5 | 5 |
| Diethyl Ether | < 5 | 5 |
| Ethyl Methacrylate | <50 | 50 |
| Ethylbenzene | < 5 | 5 |
| 2-Hexanone | <50 | 50 |
| Methacrylonitrile | <50 | 50 |
| Methyl Iodide | <10 | 10 |
| Methyl Methacrylate | <50 | 50 |
| Methylene Chloride | <10 | 10 |
| 4-Methyl-2-Pentanone | <50 | 50 |
| Styrene | < 5 | 5 |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5 |
| Tetrachloroethene | 22.62 | 5 |
| Toluene | < 5 trace | 5 |
| 1,1,1-Trichloroethane | < 5 | 5 |
| 1,1,2-Trichloroethane | < 5 | 5 |
| Trichloroethene | < 5 | 5 |
| Trichlorofluoromethane | <10 | 10 |
| 1,2,3-Trichloropropane | < 5 | 5 |
| Vinyl Acetate | <50 | 50 |
| Vinyl Chloride | <10 | 10 |
| m-and p- Xylene | 5.60 | 5 |
| o-Xylene | < 5 | 5 |

Methodology: Volatiles by Method SW846 8260, analyzed by RM on 12/24/99.

| % Recoveries: | | |
|---|---|---|
| | Dibromofluoromethane | 108 % |
| | 1,2-Dichloroethane-d4 | 109 % |
| | Toluene-d8 | 95 % |
| | 4-Bromofluorobenzene | 87 % |

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WMIS / ONYX
ATTN: JEFF FUSTON
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date: 12/27/99

Report Released By:

Ed Lockwood Jr., Pres.

PROJECT: Crysler / Dayton / Bldg. 53
SAMPLE ID: Press #18
SAMPLE TYPE: Liquid
SAMPLER: J. Fuston
DATE TAKEN: 12/23/99 10:00 a.m.
DATE RECEIVED: 12/23/99

LABORATORY ID: 48230-144

ANALYSIS

| TEST | RESULTS | UNITS | ANALYST | DATE | METHOD |
|---|---|---|---|---|---|
| Flashpoint | 142 | F | RM | 12/23/99 | 1010 |
| pH | 3.7 | S.U. | RM | 12/23/99 | 9045 |
| TCLP Extraction | | | EL | 12/23/99 | 1311 |
| TCLP Metals | | | | | |
| Arsenic | 0.365 | mg/l | EL | 12/24/99 | 7060 |
| Barium | 14.96 | mg/l | EL | 12/24/99 | 7080 |
| Cadmium | 0.035 | mg/l | EL | 12/24/99 | 7130 |
| Chromium | 277.5 | mg/l | EL | 12/24/99 | 7190 |
| Lead | 24.8 | mg/l | EL | 12/24/99 | 7420 |
| Mercury | 0.017 | mg/l | EL | 12/24/99 | 7470 |
| Selenium | < 0.162 | mg/l | EL | 12/24/99 | 7740 |
| Silver | < 0.087 | mg/l | EL | 12/24/99 | 7760 |

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ATTN JEFF FUSTON
WMIS / ONYX



SAMPLE ID: Crysler / Press #18
LABORATORY ID: 48230-144

ANALYSIS continued:

TCLP Volatiles:

| COMPONENT | CONCENTRATION | DETECTION LIMIT |
|---|---|---|
| Benzene | < 0.100 | 0.100 |
| Carbon Tetrachloride | < 0.100 | 0.100 |
| Chlorobenzene | < 0.100 | 0.100 |
| Chloroform | < 0.100 | 0.100 |
| 1,4-Dichlorobenzene | < 0.100 | 0.100 |
| 1,2-Dichloroethane | < 0.100 | 0.100 |
| 1,1-Dichloroethylene | < 0.100 | 0.100 |
| Methyl ethyl ketone | 18472 | 0.500 |
| Tetrachloroethylene | < 0.100 | 0.100 |
| Trichloroethylene | < 0.100 | 0.100 |
| Vinyl chloride | < 0.100 | 0.100 |

TCLP Semi-Volatiles:

| | | |
|---|---|---|
| 2,4-Dinitrotoluene | < 0.100 | 0.100 |
| Hexachlorobenzene | < 0.100 | 0.100 |
| Hexachlorobutadiene | < 0.100 | 0.100 |
| Hexachloroethane | < 0.100 | 0.100 |
| Nitrobenzene | < 0.100 | 0.100 |
| Pryidine | < 0.100 | 0.100 |
| 2-Methylphenol | < 0.100 | 0.100 |
| 3-Methylphenol | < 0.100 | 0.100 |
| 4-Methylphenol | < 0.100 | 0.100 |
| Pentachlorophenol | < 0.100 | 0.100 |
| 2,4,5-Trichlorophenol | < 0.100 | 0.100 |
| 2,4,6-Trichlorophenol | < 0.100 | 0.100 |

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ATTN JEFF FUSTON
WMIS / ONYX



SAMPLE ID: Crysler / Press #18
LABORATORY ID: 48230-144

ANALYSIS continued:

| TEST | RESULT | UNITS | ANALYST | DATE | METHOD |
|---|---|---|---|---|---|
| Reactivity | | | | | |
| Cyanide | < 1.0 | mg/l | RM | 12/26/99 | 9010 |
| Sulfide | < 5.0 | mg/l | RM | 12/26/99 | 9030 |
| PCB, Total | < 10.0 | mg/l | RM | 12/26/99 | 8082 |
| TCLP Volatiles | pg 2 | mg/l | RM | 12/24/99 | 8260 |
| TCLP Semi-Volatiles | pg 2 | mg/l | RM | 12/24/99 | 8270 |
| TCLP Pesticide/Herbicide | | mg/l | RM | 12/26/99 | 8080 |

| COMPONENT | CONCENTRATION | DETECTION LIMIT |
|---|---|---|
| Chlordane | < 0.008 | 0.008 |
| Endrin | < 0.008 | 0.008 |
| Heptachlor | < 0.008 | 0.008 |
| Heptachlor Epoxide | < 0.008 | 0.008 |
| Lindane | < 0.008 | 0.008 |
| Methoxychlor | < 1.0 | 1.0 |
| Toxaphene | < 0.050 | 0.050 |
| 2,4-D | < 1.0 | 1.0 |
| 2,4,5-TP (Silvex) | < 0.100 | 0.100 |

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# Certificate of Analysis

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ATTN JEFF FUSTON
ONYX / WMIS
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date: 12/27/99
Report Released By:

Ed Lockwood Jr., Pres.

PROJECT: Crysler / Bldg. 53
LOCATION: Press #18
SAMPLE TYPE: Liquid
DATE TAKEN: 12/23/99 10:00 a.m.
DATE RECEIVED: 12/23/99

LABORATORY ID: 48230-144

**TOTAL VOLATILES:**

| COMPONENT | CONCENTRATION (ug/l) | DETECTION LIMIT |
|---|---|---|
| Acetone | <1000 | 1000 |
| Acetonitrile | < 500 | 500 |
| Acrolein | <1000 | 1000 |
| Acrylonitrile | <1000 | 1000 |
| Allyl Chloride | < 500 | 500 |
| Benzene | < 50 | 50 |
| Bromodichloromethane | < 50 | 50 |
| Bromoform | < 50 | 50 |
| Bromomethane | < 100 | 100 |
| 2-Butanone (MEK) | 12437.0 | 500 |
| Carbon Disulfide | < 100 | 100 |
| Carbon Tetrachloride | < 50 | 50 |
| Chlorobenzene | < 50 | 50 |
| Chloroethane | < 100 | 100 |
| 2-Chloroethyl Vinyl Ether | < 100 | 100 |
| Chloroform | < 50 | 50 |
| Chloromethane | < 100 | 100 |
| Dibromochloromethane | < 50 | 50 |
| 1,2-Dibromo-3-chloropropane | < 500 | 500 |
| 1,2-Dibromoethane | < 50 | 50 |
| 1,2-Dichlorobenzene | < 50 | 50 |
| 1,3-Dichlorobenzene | < 50 | 50 |
| 1,4-Dichlorobenzene | < 50 | 50 |
| trans-1,4-Dichloro-2-butene | < 50 | 50 |
| Dichlorodifluoromethane | < 100 | 100 |

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LUCKWOOD LABORATORIES

# Certificate of Analysis

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ATTN JEFF FUSTON
ONYX / WASTE MANAGEMENT INDUSTRIAL SERVICES

SAMPLE ID: Crysler / Press #18
SAMPLE LOG #: 48230-144

| COMPONENT | CONCENTRATION (ug/l) | DETECTION LIMIT |
|---|---|---|
| 1,1-Dichloroethane | < 50 | 50 |
| 1,2-Dichloroethane | < 50 | 50 |
| 1,1-Dichloroethene | < 50 | 50 |
| trans-1,2-Dichloroethene | < 50 | 50 |
| 1,2-Dichloropropane | < 50 | 50 |
| cis-1,3-Dichloropropene | < 50 | 50 |
| trans-1,3-Dichloropropene | < 50 | 50 |
| Diethyl Ether | < 50 | 50 |
| Ethyl Methacrylate | <500 | 500 |
| Ethylbenzene | 441.0 | 50 |
| 2-Hexanone | <500 | 500 |
| Methacrylonitrile | <500 | 500 |
| Methyl Iodide | <100 | 100 |
| Methyl Methacrylate | <500 | 500 |
| Methylene Chloride | <100 | 100 |
| 4-Methyl-2-Pentanone | 1235.0 | 500 |
| Styrene | < 50 | 50 |
| 1,1,1,2-Tetrachloroethane | < 50 | 50 |
| 1,1,2,2-Tetrachloroethane | < 50 | 50 |
| Tetrachloroethene | < 50 | 50 |
| Toluene | 591.0 | 50 |
| 1,1,1-Trichloroethane | < 50 | 50 |
| 1,1,2-Trichloroethane | < 50 | 50 |
| Trichloroethene | < 50 | 50 |
| Trichlorofluoromethane | <100 | 100 |
| 1,2,3-Trichloropropane | < 50 | 50 |
| Vinyl Acetate | <500 | 500 |
| Vinyl Chloride | <100 | 100 |
| m-and p- Xylene | 1894.0 | 50 |
| o-Xylene | 4425.0 | 50 |

Methodology: Volatiles by Method SW846 8260, analyzed by RM on 12/24/99.

| % Recoveries: | | |
|---|---|---|
| | Dibromofluoromethane | 91 % |
| | 1,2-Dichloroethane-d4 | 96 % |
| | Toluene-d8 | 103 % |
| | 4-Bromofluorobenzene | 56 % |

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TO: Dave Strand
Ken Vogel

12/27/99



From: Mark

analytical Soil & Liquid From
TANK or VAULT.

A SPRINGFIELD ENVIRONMENTAL COMPANY

LOCKWOOD LABORATORIES

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# FAX

Springfield Environmental, Inc.
1001 East Street
P.O. Box 2728
Springfield OH 45501-2728

**Date** 12-28-99

**Number of pages including cover sheet** 3

**To:** Dave Strand
Onyx

**Phone** 651-490-1405

**Fax Phone** 651-490-1006

**From:** Ed Lockwood Jr

**Phone** (937)324-8001

**Fax Phone** (937)324-5185

**CC:** Jeff Fuston 937-331-5297

REMARKS:

☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

Jeff, I normally report total voc in ug/l, however, I converted these numbers to mg/l, so I did not have to type so many zeros. when I converted, I forgot to change the unit designation. I apologize for the error.

Thanks Ed

LOCKWOOD LABORATORIES

# Certificate of Analysis

*1989 - 1999 Ten Years of Excellence*



ATTN JEFF FUSTON
ONYX / WMIS
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date: 12/28/99 *
Report Released By:

Ed Lockwood Jr., Pres.

* This report has been revised from the original reported dated 12/27/99. The unit designation has been changed from ug/l to mg/l.

PROJECT: Crysler / Bldg. 53
LOCATION: Press #18
SAMPLE TYPE: Liquid
DATE TAKEN: 12/23/99 10:00 a.m.
DATE RECEIVED: 12/23/99

LABORATORY ID: 48230-144
TOTAL VOLATILES:

| COMPONENT | CONCENTRATION (mg/l) | DETECTION LIMIT |
|---|---|---|
| Acetone | <1000 | 1000 |
| Acetonitrile | < 500 | 500 |
| Acrolein | <1000 | 1000 |
| Acrylonitrile | <1000 | 1000 |
| Allyl Chloride | < 500 | 500 |
| Benzene | < 50 | 50 |
| Bromodichloromethane | < 50 | 50 |
| Bromoform | < 50 | 50 |
| Bromomethane | < 100 | 100 |
| 2-Butanone (MEK) | 12437.0 | 500 |
| Carbon Disulfide | < 100 | 100 |
| Carbon Tetrachloride | < 50 | 50 |
| Chlorobenzene | < 50 | 50 |
| Chloroethane | < 100 | 100 |
| 2-Chloroethyl Vinyl Ether | < 100 | 100 |
| Chloroform | < 50 | 50 |
| Chloromethane | < 100 | 100 |
| Dibromochloromethane | < 50 | 50 |
| 1,2-Dibromo-3-chloropropane | < 500 | 500 |
| 1,2-Dibromoethane | < 50 | 50 |
| 1,2-Dichlorobenzene | < 50 | 50 |
| 1,3-Dichlorobenzene | < 50 | 50 |
| 1,4-Dichlorobenzene | < 50 | 50 |
| trans-1,4-Dichloro-2-butene | < 50 | 50 |
| Dichlorodifluoromethane | < 100 | 100 |

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ATTN JEFF FUSTON
ONYX / WASTE MANAGEMENT INDUSTRIAL SERVICES

SAMPLE ID: Crysler / Press #18
SAMPLE LOG #: 48230-144

| COMPONENT | CONCENTRATION (mg/l) | DETECTION LIMIT |
|---|---|---|
| 1,1-Dichloroethane | < 50 | 50 |
| 1,2-Dichloroethane | < 50 | 50 |
| 1,1-Dichloroethene | < 50 | 50 |
| trans-1,2-Dichloroethene | < 50 | 50 |
| 1,2-Dichloropropane | < 50 | 50 |
| cis-1,3-Dichloropropene | < 50 | 50 |
| trans-1,3-Dichloropropene | < 50 | 50 |
| Diethyl Ether | < 50 | 50 |
| Ethyl Methacrylate | <500 | 500 |
| Ethylbenzene | 441.0 | 50 |
| 2-Hexanone | <500 | 500 |
| Methacrylonitrile | <500 | 500 |
| Methyl Iodide | <100 | 100 |
| Methyl Methacrylate | <500 | 500 |
| Methylene Chloride | <100 | 100 |
| 4-Methyl-2-Pentanone | 1235.0 | 500 |
| Styrene | < 50 | 50 |
| 1,1,1,2-Tetrachloroethane | < 50 | 50 |
| 1,1,2,2-Tetrachloroethane | < 50 | 50 |
| Tetrachloroethene | < 50 | 50 |
| Toluene | 591.0 | 50 |
| 1,1,1-Trichloroethane | < 50 | 50 |
| 1,1,2-Trichloroethane | < 50 | 50 |
| Trichloroethene | < 50 | 50 |
| Trichlorofluoromethane | <100 | 100 |
| 1,2,3-Trichloropropane | < 50 | 50 |
| Vinyl Acetate | <500 | 500 |
| Vinyl Chloride | <100 | 100 |
| m-and p- Xylene | 1894.0 | 50 |
| o-Xylene | 4425.0 | 50 |

Methodology: Volatiles by Method SW846 8260, analyzed by RM on 12/24/99.

| % Recoveries: | | |
|---|---|---|
| | Dibromofluoromethane | 91 % |
| | 1,2-Dichloroethane-d4 | 96 % |
| | Toluene-d8 | 103 % |
| | 4-Bromofluorobenzene | 56 % |

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LOCKWOOD LABORATORIES

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ATTN JEFF FUSTON
ONYX / WMIS
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date: 12/27/99
Report Released By:

Ed Lockwood Jr., Pres.

PROJECT: Crysler / Bldg. 53
LOCATION: Press #18
SAMPLE TYPE: Liquid
DATE TAKEN: 12/23/99 10:00 a.m.
DATE RECEIVED: 12/23/99

LABORATORY ID: 48230-144

**TOTAL VOLATILES:**

| COMPONENT | CONCENTRATION (ug/l) | DETECTION LIMIT |
|---|---|---|
| Acetone | <1000 | 1000 |
| Acetonitrile | < 500 | 500 |
| Acrolein | <1000 | 1000 |
| Acrylonitrile | <1000 | 1000 |
| Allyl Chloride | < 500 | 500 |
| Benzene | < 50 | 50 |
| Bromodichloromethane | < 50 | 50 |
| Bromoform | < 50 | 50 |
| Bromomethane | < 100 | 100 |
| 2-Butanone (MEK) | 12437.0 mg/L | 500 |
| Carbon Disulfide | < 100 | 100 |
| Carbon Tetrachloride | < 50 | 50 |
| Chlorobenzene | < 50 | 50 |
| Chloroethane | < 100 | 100 |
| 2-Chloroethyl Vinyl Ether | < 100 | 100 |
| Chloroform | < 50 | 50 |
| Chloromethane | < 100 | 100 |
| Dibromochloromethane | < 50 | 50 |
| 1,2-Dibromo-3-chloropropane | < 500 | 500 |
| 1,2-Dibromoethane | < 50 | 50 |
| 1,2-Dichlorobenzene | < 50 | 50 |
| 1,3-Dichlorobenzene | < 50 | 50 |
| 1,4-Dichlorobenzene | < 50 | 50 |
| trans-1,4-Dichloro-2-butene | < 50 | 50 |
| Dichlorodifluoromethane | < 100 | 100 |

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LOCKWOOD LABORATORIES

# Certificate of Analysis

*1989 - 1999 Ten Years of Excellence*



ATTN JEFF FUSTON
ONYX / WASTE MANAGEMENT INDUSTRIAL SERVICES

SAMPLE ID: Crysler / Press #18
SAMPLE LOG #: 48230-144

| COMPONENT | CONCENTRATION | mg/L ~~(ug/L)~~ | DETECTION LIMIT |
|---|---|---|---|
| 1,1-Dichloroethane | < 50 | | 50 |
| 1,2-Dichloroethane | < 50 | | 50 |
| 1,1-Dichloroethene | < 50 | | 50 |
| trans-1,2-Dichloroethene | < 50 | | 50 |
| 1,2-Dichloropropane | < 50 | | 50 |
| cis-1,3-Dichloropropene | < 50 | | 50 |
| trans-1,3-Dichloropropene | < 50 | | 50 |
| Diethyl Ether | < 50 | | 50 |
| Ethyl Methacrylate | <500 | | 500 |
| Ethylbenzene | 441.0 | | 50 |
| 2-Hexanone | <500 | | 500 |
| Methacrylonitrile | <500 | | 500 |
| Methyl Iodide | <100 | | 100 |
| Methyl Methacrylate | <500 | | 500 |
| Methylene Chloride | <100 | | 100 |
| 4-Methyl-2-Pentanone (Methylisobutylketone) | 1235.0 | | 500 |
| Styrene | < 50 | | 50 |
| 1,1,1,2-Tetrachloroethane | < 50 | | 50 |
| 1,1,2,2-Tetrachloroethane | < 50 | | 50 |
| Tetrachloroethene | < 50 | | 50 |
| Toluene | 591.0 | | 50 |
| 1,1,1-Trichloroethane | < 50 | | 50 |
| 1,1,2-Trichloroethane | < 50 | | 50 |
| Trichloroethene | < 50 | | 50 |
| Trichlorofluoromethane | <100 | | 100 |
| 1,2,3-Trichloropropane | < 50 | | 50 |
| Vinyl Acetate | <500 | | 500 |
| Vinyl Chloride | <100 | | 100 |
| m-and p- Xylene | 1894.0 | | 50 |
| o-Xylene | 4425.0 | | 50 |

Methodology: Volatiles by Method SW846 8260, analyzed by RM on 12/24/99.

| % Recoveries: | | |
|---|---|---|
| | Dibromofluoromethane | 91 % |
| | 1,2-Dichloroethane-d4 | 96 % |
| | Toluene-d8 | 103 % |
| | 4-Bromofluorobenzene | 56 % |

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LOCKWOOD LABORATORIES

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ATTN JEFF FUSTON
WMIS / ONYX



SAMPLE ID: Crysler / Press #18
LABORATORY ID: 48230-144

ANALYSIS continued:

| TEST | RESULT | UNITS | ANALYST | DATE | METHOD |
|---|---|---|---|---|---|
| Reactivity | | | | | |
| Cyanide | < 1.0 | mg/l | RM | 12/25/99 | 9010 |
| Sulfide | < 5.0 | mg/l | RM | 12/26/99 | 9030 |
| PCB, Total | < 10.0 | mg/l | RM | 12/26/99 | 8082 |
| TCLP Volatiles | pg 2 | mg/l | RM | 12/24/99 | 8260 |
| TCLP Semi-Volatiles | pg 2 | mg/l | RM | 12/24/99 | 8270 |
| TCLP Pesticide/Herbicide | | mg/l | RM | 12/26/99 | 8080 |

| COMPONENT | CONCENTRATION | DETECTION LIMIT |
|---|---|---|
| Chlordane | < 0.008 | 0.008 |
| Endrin | < 0.008 | 0.008 |
| Heptachlor | < 0.008 | 0.008 |
| Heptachlor Epoxide | < 0.008 | 0.008 |
| Lindane | < 0.008 | 0.008 |
| Methoxychlor | < 1.0 | 1.0 |
| Toxaphene | < 0.050 | 0.050 |
| 2,4-D | < 1.0 | 1.0 |
| 2,4,5-TP (Silvex) | < 0.100 | 0.100 |

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**2425 New Holland Pike**
**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**


**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

Pedm.

**Message:**

Dayton
99-271 H
WL0009
React metals

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3304060 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/08/00 Date Reported: NOT REP
Date Collected: 01/07/00

WL0009 Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 1123 | Cyanide (Reactivity) | N.D. | 9/. | mg/kg |
| 7036 | Selenium TR | N.D. | 0.0044 | mg/l |
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l |
| 7051 | Chromium TR | 0.0054 | 0.0017 | mg/l |
| 7055 | Lead TR | 0.338 | 0.0079 | mg/l |

Sample Number: WW3304061 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/08/00 Date Reported: NOT REP
Date Collected: 11/15/99

Trip Blank Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3304062 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/08/00 Date Reported: NOT REP
Date Collected: 01/08/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

***** Lancaster Laboratories Analytical Report *****

2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW5504062 Account: 10160 DAIMLERCHRYSLER CORPORATION

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**2425 New Holland Pike**
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**Phone: 717-656-2300**
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**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

Prelim.

**Message:**

Dayton 99-271 H

WL0009

Ig
Corro
Pest
PCB
React
Herb
VOC
Metals
SVOC

need SVOC

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3304060 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/08/00 Date Reported: NOT REP
Date Collected: 01/07/00

WL0009 Grab Water Sample
Site Code: SC001 RFA# YGQP990027/1
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 7.55 | 0.010 | |
| 0259 | Mercury | 0.00033 | 0.00010 | mg/l |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 150F.
Test flame extinguished at 120F.
Flash point was determined using Pensky Martens closed cup apparatus.
==========

| | | | |
|---|---|---|---|
| 0496 | Corrosivity | See Below | See Below |

corrosivity:
The pH of the sample was 7.55 indicating that the waste was not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.
==========

0937 TCL Pesticides in Waters
The alpha chlordane and endrin ketone recoveries for the LCS are within the QC limits; however the recoveries are flagged before the results are rounded and therefore the QC Summary Form is labeling these recoveries as outside QC limits.

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.
==========

| | | | | |
|---|---|---|---|---|
| 1600 | Alpha BHC | N.D. | 0.0019 | ug/l |
| 1601 | Beta BHC | N.D. | 0.0019 | ug/l |
| 1603 | Delta BHC | N.D. | 0.0055 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.0019 | ug/l |
| 1604 | Heptachlor | 0.0022 J | 0.0019 | ug/l |
| 1605 | Aldrin | N.D. | 0.0019 | ug/l |
| 1606 | Heptachlor Epoxide | 0.0087 J | 0.0019 | ug/l |
| 1616 | Endosulfan I | N.D. | 0.0019 | ug/l |

| | | | | |
|---|---|---|---|---|
| 1610 | Dieldrin | N.D. | 0.0038 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3304060 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 1607 | DDE | N.D. | 0.0038 | ug/l |
| 1611 | Endrin | N.D. | 0.0038 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.0038 | ug/l |
| 1608 | DDD | N.D. | 0.0038 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 0.0038 | ug/l |
| 1609 | DDT | N.D. | 0.0038 | ug/l |
| 0938 | Endrin Ketone | N.D. | 0.0038 | ug/l |
| 1860 | Methoxychlor | N.D. | 0.019 | ug/l |
| 1361 | Alpha Chlordane | N.D. | 0.0019 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 0.0019 | ug/l |
| 1613 | Toxaphene | N.D. | 0.28 | ug/l |
| 1618 | Endrin Aldehyde | N.D. | 0.0038 | ug/l |
| 1619 | PCB-1016 | N.D. | 0.095 | ug/l |
| 1620 | PCB-1221 | N.D. | 0.095 | ug/l |
| 1621 | PCB-1232 | N.D. | 0.095 | ug/l |
| 1622 | PCB-1242 | N.D. | 0.095 | ug/l |
| 1623 | PCB-1248 | N.D. | 0.095 | ug/l |
| 1624 | PCB-1254 | N.D. | 0.095 | ug/l |
| 1626 | PCB-1260 | N.D. | 0.095 | ug/l |

==========

| | | | |
|---|---|---|---|
| 1121 | Reactivity | See Below | See Below |

Reactivity:
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.

==========

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |

1316 AppendixIX Herbicides - Waters
Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

==========

| | | | | |
|---|---|---|---|---|
| 0288 | 2,4-D | N.D. | 0.095 | ug/l |
| 1314 | Dinoseb | N.D. | 0.048 | ug/l |
| 0289 | 2,4,5-TP | N.D. | 0.0095 | ug/l |
| 1315 | 2,4,5-T | 0.0300 J | 0.0095 | ug/l |

==========

6291 TCL by 8260 (water)
This analysis was performed undiluted and at a 2 times dilution of the original sample.

==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3304060 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 5385 | Chloromethane | N.D. | | 3. | ug/l |
| 5387 | Bromomethane | N.D. | | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | | 2. | ug/l |
| 5388 | Chloroethane | N.D. | | 3. | ug/l |
| 5391 | Methylene Chloride | 310. | | 4. | ug/l |
| 6302 | Acetone | N.D. | | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | | 2. | ug/l |
| 5396 | Chloroform | 4. | J | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | 4. | J | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | 37. | | 1. | ug/l |
| 5411 | Dibromochloromethane | 4. | J | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | 1. | J | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | | 7. | ug/l |
| 5409 | Tetrachloroethene | 5. | | 1. | ug/l |
| 5407 | Toluene | N.D. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |
| 5395 | cis-1,2 Dichloroethene | 200. | | 2. | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7046 | Barium TR | 0.130 | 0.00049 | mg/l |
| 7053 | Copper TR | 0.207 | 0.0029 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3304061 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/08/00 Date Reported: NOT REP
Date Collected: 11/15/99

Trip Blank Grab Water Sample
Site Code: SC001 RFA# YCQN9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | 2. | ug/l |

.5395 cis-1,2-Dichloroethene N.D. 2. ug/l



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3304061 Account: 10160 DAIMLERCHRYSLER CORPORATION

==========

Sample Number: WW3304062 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/08/00 Date Reported: NOT REP
Date Collected: 01/08/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YG0P9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (Water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |

17:24 JAN 12, 2000

-5392 trans-1,2-Dichloroethene N.D. 2. ug/l

Page 6

***** Lancaster Laboratories Analytical Report *****

2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW550062 Account: 10160 DAIMLERCHRYSLER CORPORATION

5395 cis-1,2-Dichloroethene N.D. 2. ug/l

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Lancaster, PA 17605-2425

Phone: 717-656-2300
Fax: 717-656-2681

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:**

99-271 H

WL0009

SVOCs

-Zinc

Preliminary

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW5504060 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/08/00 Date Reported: NOT REP
Date Collected: 01/07/00

WL0009 Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 4678 | TCL SW846 Semivolatiles/Waters | | | |
| 3925 | Phenol | N.D. | 1. | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | 1. | ug/l |
| 3924 | 2-Chlorophenol | N.D. | 1. | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | 1. | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | 1. | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | 1. | ug/l |
| 4680 | 2-Methylphenol | N.D. | 1. | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | 1. | ug/l |
| 4682 | 4-Methylphenol | N.D. | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.
==========

| | | | | |
|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | 1. | ug/l |
| 3941 | Hexachloroethane | N.D. | 1. | ug/l |
| 3943 | Nitrobenzene | N.D. | 1. | ug/l |
| 3944 | Isophorone | N.D. | 1. | ug/l |
| 3926 | 2-Nitrophenol | N.D. | 1. | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | 1. | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | 1. | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | 1. | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | 1. | ug/l |
| 3947 | Naphthalene | N.D. | 1. | ug/l |
| 3871 | 4-Chloroaniline | N.D. | 1. | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | 1. | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | 1. | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | 1. | ug/l |
| 3907 | 2-Nitroaniline | N.D. | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3952 | Dimethylphthalate | N.D. | 2. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3304060 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3951 | Acenaphthylene | N.D. | 1. | ug/l |

==========

4679 TCL SW846 Semivolatiles/Waters
Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The percent recoveries for 4-Chloroaniline were outside QC limits in the LCS/LCSD associated with this sample. The analysis was repeated and poor percent recoveries for 4-Chloroaniline were again observed. The data reported here are from the initial extraction of the sample. Both sets of data are being submitted in the data package. Please refer to the case narrative for further details.

==========

| | | | | |
|---|---|---|---|---|
| 3908 | 3-Nitroaniline | N.D. | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | 1. | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 10. | ug/l |
| 3879 | Dibenzofuran | N.D. | 1. | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 1. | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 1. | ug/l |
| 3956 | Fluorene | N.D. | 1. | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | 1. | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | | 3. | ug/l |
| 3963 | Phenanthrene | 2. | J | 1. | ug/l |
| 3964 | Anthracene | N.D. | | 1. | ug/l |
| 4684 | Carbazole | N.D. | | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | | 2. | ug/l |
| 3966 | Fluoranthene | 3. | J | 1. | ug/l |
| 3967 | Pyrene | 2. | J | 1. | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | | 2. | ug/l |
| 3970 | Benzo(a)anthracene | 1. | J | 1. | ug/l |
| 3975 | bis(2-Ethylhexyl)phthalate | N.D. | | 2. | ug/l |
| 3971 | Chrysene | 1. | J | 1. | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | | 2. | ug/l |

| | | | | | |
|---|---|---|---|---|---|
| 3975 | Benzo(b)fluoranthene | 1. | J | 1. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3304060 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3976 | Benzo(k)fluoranthene | N.D. | 1. | ug/l |
| 3977 | Benzo(a)pyrene | N.D. | 1. | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | 1. | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | 1. | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | 1. | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 7072 | Zinc TR | 0.398 | 0.0030 | mg/l |

Sample Number: WW3304061 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/08/00 Date Reported: NOT REP
Date Collected: 11/15/99

Trip Blank Grab Water Sample
Site Code: SC001 RFA# YG0P9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3304062 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/08/00 Date Reported: NOT REP
Date Collected: 01/08/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YG0P9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

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# FAX Cover Page

**Pages 5**

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**2425 New Holland Pike**
**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:**

99-272

— WL0010 Drum Sample

Herb

— WL0011 Drum Sample

Herb

SVOC

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3305540 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WL00010 Grab Water Sample
Site Code: SC001 RFA# YGOP9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 1316 | AppendixIX Herbicides - Waters | | | |

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

A disparity of >40% between the primary and confirmatory analysis occurred. Due to suspected interference, the lower result was reported for 2,4,5-TP.

==========

| | | | | |
|---|---|---|---|---|
| 0288 | 2,4-D | N.D. | 0.095 | ug/l |
| 1314 | Dinoseb | N.D. | 0.048 | ug/l |
| 0289 | 2,4,5-TP | 0.0200 J | 0.0095 | ug/l |
| 1315 | 2,4,5-T | 0.0203 J | 0.0095 | ug/l |

==========

Sample Number: WW3305541 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WL0011 Grab Water Sample
Site Code: SC001 RFA# YGOP9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 1316 | AppendixIX Herbicides - Waters | | | |

A disparity of >40% between the primary and confirmatory analysis occurred. Due to suspected interference, the lower result was reported for 2,4-D and 2,4,5-TP.

he % difference value for 2,4,5-T was outside the 15% criteria on the "A"



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3305541 Account: 10160 DAIMLERCHRYSLER CORPORATION

column. Since the % difference value was low and 2,4,5-T was detected on the "B" column, the MDL and LOQ was raised above the detection amount found on the "B" column.

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

==========

| | | | | | |
|---|---|---|---|---|---|
| 0288 | 2,4-D | 0.67 | | 0.095 | ug/l |
| 1314 | Dinoseb | N.D. | | 0.047 | ug/l |
| 0289 | 2,4,5-TP | 0.065 | | 0.0095 | ug/l |
| 1315 | 2,4,5-T | N.D. | | 0.080 | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 4673 | TCL SW846 Semivolatiles/Waters | | | | |
| 3925 | Phenol | 1,100. | | 10. | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | | 1. | ug/l |
| 3924 | 2-Chlorophenol | N.D. | | 1. | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | | 1. | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | | 1. | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | | 1. | ug/l |
| 4680 | 2-Methylphenol | 3. | J | 1. | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | | 1. | ug/l |
| 4682 | 4-Methylphenol | 750. | | 28. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | | 1. | ug/l |
| 3941 | Hexachloroethane | N.D. | | 1. | ug/l |
| 3943 | Nitrobenzene | N.D. | | 1. | ug/l |
| 3944 | Isophorone | N.D. | | 1. | ug/l |
| 3926 | 2-Nitrophenol | N.D. | | 1. | ug/l |
| 3927 | 2,4-Dimethylphenol | 5. | J | 1. | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | | 1. | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | | 1. | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | | 1. | ug/l |
| 3947 | Naphthalene | 3. | J | 1. | ug/l |
| 3871 | 4-Chloroaniline | N.D. | | 1. | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | | 1. | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | | 1. | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3922 | 2,4,5-Trichlorophenol | N.D. | 2. | ug/l |



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2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3305541 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3950 | 2-Chloronaphthalene | N.D. | 1. | ug/l |
| 3907 | 2-Nitroaniline | N.D. | 2. | ug/l |
| 3932 | Dimethylphthalate | N.D. | 2. | ug/l |
| 3951 | Acenaphthylene | N.D. | 1. | ug/l |

---

| | | | | |
|---|---|---|---|---|
| 4679 | TCL SW846 Semivolatiles/Waters | | | |
| 3908 | 3-Nitroaniline | N.D. | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | 1. | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 10. | ug/l |
| 3879 | Dibenzofuran | N.D. | 1. | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 1. | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 1. | ug/l |
| 3956 | Fluorene | N.D. | 1. | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | 2. J | 1. | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine.
The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.

---

| | | | | |
|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | 3. | ug/l |
| 3963 | Phenanthrene | N.D. | 1. | ug/l |
| 3964 | Anthracene | N.D. | 1. | ug/l |
| 4684 | Carbazole | N.D. | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | 2. | ug/l |
| 3966 | Fluoranthene | N.D. | 1. | ug/l |
| 3967 | Pyrene | N.D. | 1. | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | 2. | ug/l |
| 3970 | Benzo(a)anthracene | N.D. | 1. | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 2. J | 2. | ug/l |
| 3971 | Chrysene | N.D. | 1. | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | 1. | ug/l |
| 3976 | Benzo(k)fluoranthene | N.D. | 1. | ug/l |
| 3977 | Benzo(a)pyrene | N.D. | 1. | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | 1. | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | 1. | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | 1. | ug/l |

---

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3305541 Account: 10160 DAIMLERCHRYSLER CORPORATION

Sample Number: WW3305542 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WLT011100 Trip Blank Grab Water Sample
Site Code: SC001 RFA# YGOP9900272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3305543 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGOP9900272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

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**Pages 5**

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**2425 New Holland Pike**
**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:** 99-272
WL0010
SVOC

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW33U554D Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WL00010 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 4678 | TCL SW846 Semivolatiles/Waters | | | |
| 3925 | Phenol | 17. J | 5. | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | 5. | ug/l |
| 3924 | 2-Chlorophenol | N.D. | 5. | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | 5. | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | 5. | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | 5. | ug/l |
| 4680 | 2-Methylphenol | N.D. | 5. | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | 5. | ug/l |
| 4682 | 4-Methylphenol | N.D. | 14. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.
==========

| | | | | |
|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | 5. | ug/l |
| 3941 | Hexachloroethane | N.D. | 5. | ug/l |
| 3943 | Nitrobenzene | N.D. | 5. | ug/l |
| 3944 | Isophorone | N.D. | 5. | ug/l |
| 3926 | 2-Nitrophenol | N.D. | 5. | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | 5. | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | 5. | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | 5. | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | 5. | ug/l |
| 3947 | Naphthalene | 4,100. | 47. | ug/l |
| 3871 | 4-Chloroaniline | N.D. | 5. | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | 9. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | 5. | ug/l |
| 3905 | 2-Methylnaphthalene | 120. | 5. | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | 24. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | 9. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | 9. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | 5. | ug/l |
| 3907 | 2-Nitroaniline | N.D. | 9. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3952 | Dimethylphthalate | N.D. | 9. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WN3305549 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3951 | Acenaphthylene | N.D. | 5. | ug/l |

==========

4679 TCL SW846 Semivolatiles/Waters
The quantitation limits for the GC/MS semivolatile compounds were raised due to the high concentration of target compounds.

The percent recoveries for 4-Chloroaniline were outside QC limits in the LCS/LCSD associated with this sample. The analysis was repeated, and the QC observed for 4-Chloroaniline met criteria. The data reported here are from the initial extraction of the sample. Both sets of data are being submitted in the data package. Please refer to the case narrative for further details.

==========

| | | | | |
|---|---|---|---|---|
| 3908 | 3-Nitroaniline | N.D. | 9. | ug/l |
| 3954 | Acenaphthene | N.D. | 5. | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 95. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 47. | ug/l |
| 3879 | Dibenzofuran | N.D. | 5. | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 5. | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 9. | ug/l |
| 3958 | Diethylphthalate | N.D. | 9. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 5. | ug/l |
| 3956 | Fluorene | N.D. | 5. | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 9. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 24. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | 5. | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | 9. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | 9. | ug/l |
| 3934 | Pentachlorophenol | N.D. | 14. | ug/l |
| 3963 | Phenanthrene | N.D. | 5. | ug/l |
| 3964 | Anthracene | N.D. | 5. | ug/l |
| 4684 | Carbazole | N.D. | 14. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | 9. | ug/l |
| 3966 | Fluoranthene | N.D. | 5. | ug/l |
| 3967 | Pyrene | N.D. | 5. | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | 9. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | 9. | ug/l |
| 3970 | Benzo(a)anthracene | N.D. | 5. | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | N.D. | 9. | ug/l |
| 3971 | Chrysene | N.D. | 5. | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | 9. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | 5. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3976 | Benzo(k)fluoranthene | N.D. | 5. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3305540 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3977 | Benzo(a)pyrene | N.D. | 5. | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | 5. | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | 5. | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | 5. | ug/l |

Sample Number: WW3305541 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WL0011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3305542 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WLT011100 Trip Blank Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3305543 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3305543 Account: 10160 DAIMLERCHRYSLER CORPORATION

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# FAX Cover Page

Pages 4

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**2425 New Holland Pike**
**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:** 99-272
WL0012
SVOC

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308658 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/16/00

WL0012 Grab Water Sample
Site Code: SC001 RFA# YGRP9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 4678 | TCL SW846 Semivolatiles/Waters | | | |
| 3925 | Phenol | N.D. | 0.9 | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | 0.9 | ug/l |
| 3924 | 2-Chlorophenol | N.D. | 0.9 | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | 0.9 | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | 0.9 | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | 0.9 | ug/l |
| 4680 | 2-Methylphenol | N.D. | 0.9 | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | 0.9 | ug/l |
| 4682 | 4-Methylphenol | N.D. | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | 0.9 | ug/l |
| 3941 | Hexachloroethane | N.D. | 0.9 | ug/l |
| 3943 | Nitrobenzene | N.D. | 0.9 | ug/l |
| 3944 | Isophorone | N.D. | 0.9 | ug/l |
| 3926 | 2-Nitrophenol | N.D. | 0.9 | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | 0.9 | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | 0.9 | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | 0.9 | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | 0.9 | ug/l |
| 3947 | Naphthalene | N.D. | 0.9 | ug/l |
| 3871 | 4-Chloroaniline | N.D. | 0.9 | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | 19. | 0.9 | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | 0.9 | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | 0.9 | ug/l |
| 3907 | 2-Nitroaniline | N.D. | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3952 | Dimethylphthalate | N.D. | 2. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308658 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3951 | Acenaphthylene | N.D. | 0.9 | ug/l |

==========

4679 TCL SW846 Semivolatiles/Waters
Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The recovery of 4-Chloroaniline was outside of QC limits in the LCS associated with this sample. The sample was re-extracted and 4-Chloroaniline was again outside of QC limits. Comparable data was observed in the reanalysis of the sample. The data reported here is from the initial extraction of the sample.
==========

| | | | | |
|---|---|---|---|---|
| 3908 | 3-Nitroaniline | N.D. | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | 0.9 | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 9. | ug/l |
| 3879 | Dibenzofuran | N.D. | 0.9 | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 0.9 | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 0.9 | ug/l |
| 3956 | Fluorene | N.D. | 0.9 | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | 0.9 | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.
==========

| | | | | |
|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | 3. | ug/l |
| 3963 | Phenanthrene | N.D. | 0.9 | ug/l |
| 3964 | Anthracene | N.D. | 0.9 | ug/l |
| 4684 | Carbazole | N.D. | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | 2. | ug/l |
| 3966 | Fluoranthene | N.D. | 0.9 | ug/l |
| 3967 | Pyrene | N.D. | 0.9 | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | 2. | ug/l |
| 3970 | Benzo(a)anthracene | N.D. | 0.9 | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | N.D. | 2. | ug/l |
| 3971 | Chrysene | N.D. | 0.9 | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | 0.9 | ug/l |

| | | | | |
|---|---|---|---|---|
| 3976 | Benzo(k)fluoranthene | N.D. | 0.9 | ug/l |



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2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308658 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3977 | Benzo(a)pyrene | N.D. | 0.9 | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | 0.9 | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | 0.9 | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | 0.9 | ug/l |

==========

Sample Number: WW3308659 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/17/00

Trip Blank Water Sample
Site Code: SC001 RFA# YG0P9900272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3308660 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/18/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YG0P9900272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

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**Pages 3**

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**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:**

99-272
WL0012
Herb

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308658 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/16/00

WL0012 Grab Water Sample
Site Code: SC001 RFA# YGRP9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 1316 | AppendixIX Herbicides - Waters | | | |

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

==========

| | | | | |
|---|---|---|---|---|
| 0288 | 2,4-D | 0.287 J | 0.095 | ug/l |
| 1314 | Dinoseb | N.D. | 0.047 | ug/l |
| 0289 | 2,4,5-TP | 0.0220 J | 0.0095 | ug/l |
| 1315 | 2,4,5-T | N.D. | 0.0095 | ug/l |

---

Sample Number: WW3308659 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/17/00

Trip Blank Water Sample
Site Code: SC001 RFA# YGRP9900272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308660 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/18/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGOP9900272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

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# FAX Cover Page

Pages 6

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**Lancaster, PA 17605-2425**

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**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:**

Preliminary

WL0012

ph
Corros.
React
VOC
metals

need
SVOC
herb
Pest
PCB

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308658 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/16/00

WL0012 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 7.19 | 0.010 | |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 150F.
Test flame extinguished at 115F.
Flash point was determined using Pensky Martens closed cup apparatus.
==========

| | | | | |
|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below |

Corrosivity:
The pH of the sample is 7.19 indicating that the sample is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.
==========

| | | | | |
|---|---|---|---|---|
| 1121 | Reactivity | See Below | | See Below |

Reactivity:
The sample was extracted by the interim method described in SW 846,
Chapter 7.3. This solution was analyzed for cyanide and sulfide.
This waste is not considered reactive and hazardous because it does
not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or
hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were
established by the Solid Waste Branch of EPA, July, 1992. These results
do not reflect total cyanide or total sulfide.
==========

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1123 | Cyanide (Reactivity) | N.D. | 99. | mg/kg |
| 1751 | Chromium | N.D. | 0.0098 | mg/l |
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 6302 | Acetone | 150. | 6. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308658 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | 26. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | N.D. | 2. | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | N.D. | 0.0044 | mg/l |
| 7046 | Barium TR | 0.0792 | 0.00049 | mg/l |
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l |
| 7053 | Copper TR | N.D. | 0.0029 | mg/l |
| 7055 | Lead TR | 0.0091 J | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 0.151 | 0.0030 | mg/l |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308659 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/17/00

Trip Blank Water Sample
Site Code: SC001 RFA# YGOP9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | |
| 5383 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | 2. | ug/l |

5395 cis-1,2-Dichloroethene N.D. 2. ug/l



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308659 Account: 10160 DAIMLERCHRYSLER CORPORATION

==========

Sample Number: WW3308660 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/18/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGQP99002/2
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |

5392 trans-1,2-Dichloroethene N.D. 2. ug/l



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308660 Account: 10160 DAIMLERCHRYSLER CORPORATION

5395 cis-1,2-Dichloroethene N.D. 2. ug/l

==========

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# FAX Cover Page

Pages 6

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**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:**

99-273
WS00003
moist
pH
Corro
Ig
Reac
Herb
TCLP metal
TCLP VOC

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: SW3305545 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WS00003 Grab Sludge Sample
Site Code: SC001 RFA#: YGQP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | AS RECEIVED RESULT | METHOD DETECTION LIMIT | UNITS | DRY WEIGHT RESULT | METHOD DETECTION LIMIT |
|---|---|---|---|---|---|---|
| 0111 | Moisture | 16.6 | 0.50 | % by wt. | | |

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.

==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 0394 | pH | 10.4 | 0.010 | | | |

The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min.

==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below | | |

Corrosivity:
The pH of a 1:1 slurry (with deionized water) was 10.36 indicating that the waste is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12.5.

==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 0542 | Ignitability | See Below | | See Below | | |

The sample did not spontaneously ignite when exposed to air or water.
The sample did not ignite by friction.
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.

==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 1121 | Reactivity | See Below | | See Below | | |

Reactivity:
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1997. These results do not reflect total cyanide or total sulfide.

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: SW3305545 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 1863 | Appendix IX Herbicides in Soil | | | |

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The Limits of Quantitation (LOQ's) were raised accordingly.

Due to the dilution required for analysis, accurate surrogate recoveries could not be determined for this sample.

| | | | | | | |
|---|---|---|---|---|---|---|
| 4174 | 2,4-D | N.D. | 170. | ug/kg | N.D. | 200. |
| 4175 | Dinoseb | N.D. | 190. | ug/kg | N.D. | 230. |
| 4176 | 2,4,5-TP (Silvex) | N.D. | 17. | ug/kg | N.D. | 20. |
| 4177 | 2,4,5-T | N.D. | 17. | ug/kg | N.D. | 20. |

Sample Number: TL3305546 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WS00003 Grab Sludge Sample TCLP NVE
Site Code: SC001 RFA#: YGQP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0259 | Mercury | N.D. | 0.0010 | mg/l |

The metal analyses were performed on a non-volatile leachate prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, December, 1994). A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Arsenic | 5.0 | Cadmium | 1.0 | Lead | 5.0 | Selenium | 1.0 |
| Barium | 100.0 | Chromium | 5.0 | Mercury | 0.2 | Silver | 5.0 |

The quantitation limit for mercury was increased due to the nature of the sample matrix.

| | | | | |
|---|---|---|---|---|
| 1731 | Chromium | N.D. | 0.0098 | mg/l |
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | 0.042 | 0.0044 | mg/l |
| 7046 | Barium TR | 1.07 | 0.00049 | mg/l |

| | | | | |
|---|---|---|---|---|
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3305546 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 7053 | Copper TR | 0.0072 | 0.0029 | mg/l |
| 7055 | Lead TR | N.D. | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 22.3 | 0.0030 | mg/l |

Sample Number: TL3305547 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WS00003 Grab Sludge Sample TCLP ZHE
Site Code: SC001 REA#: YGOP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 3636 | TCLP by 8260 | | | |

The volatile organic analyses were performed on a zero headspace toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94).
If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR Part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/l. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Benzene | 0.5 | 1,1-Dichloroethene | 0.7 |
| Carbon Tetrachloride | 0.5 | Methyl Ethyl Ketone (2-Butanone) | 200.0 |
| Chlorobenzene | 100.0 | Tetrachloroethene | 0.7 |
| Chloroform | 6.0 | Trichloroethene | 0.5 |
| 1,2-Dichloroethane | 0.5 | Vinyl Chloride | 0.2 |

==========

| | | | | |
|---|---|---|---|---|
| 5386 | Vinyl Chloride | N.D. | 0.010 | mg/l |
| 5390 | 1,1-Dichloroethene | N.D. | 0.0050 | mg/l |
| 6305 | 2-Butanone | N.D. | 0.015 | mg/l |
| 5396 | Chloroform | N.D. | 0.0050 | mg/l |
| 5399 | Carbon Tetrachloride | N.D. | 0.0050 | mg/l |
| 5401 | Benzene | N.D. | 0.0050 | mg/l |
| 5402 | 1,2-Dichloroethane | N.D. | 0.010 | mg/l |
| 5403 | Trichloroethene | N.D. | 0.0050 | mg/l |
| 5409 | Tetrachloroethene | N.D. | 0.0050 | mg/l |
| 5413 | Chlorobenzene | N.D. | 0.0030 | mg/l |

==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3305547 Account: 10160 DAIMLERCHRYSLER CORPORATION

Sample Number: TL3305548 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

TCLP NVE Tumbler Blank Sample
Site Code: SC001 RFA#: YGOP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0259 | Mercury | N.D. | 0.00010 | mg/l |

The metal analyses were performed on a non-volatile leachate prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, December, 1994). A sample is considered to have failed the toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Arsenic | 5.0 | Cadmium | 1.0 | Lead | 5.0 | Selenium | 1.0 |
| Barium | 100.0 | Chromium | 5.0 | Mercury | 0.2 | Silver | 5.0 |

==========

| | | | | |
|---|---|---|---|---|
| 1751 | Chromium | N.D. | 0.0098 | mg/l |
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | 0.0057 J | 0.0044 | mg/l |
| 7046 | Barium TR | 0.0036 | 0.00049 | mg/l |
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l |
| 7053 | Copper TR | 0.0082 | 0.0029 | mg/l |
| 7055 | Lead TR | N.D. | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 0.028 | 0.0030 | mg/l |

Sample Number: TL3305549 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

TCLP ZHE Tumbler Blank Sample
Site Code: SC001 RFA#: YGOP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 3636 | TCLP by 8260 | | | |

The volatile organic analyses were performed on a zero headspace toxicity

characteristic leachate of the submitted waste. The leachate was prepared



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3305549 Account: 10160 DAIMLERCHRYSLER CORPORATION

according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94).
If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR Part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/l. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Benzene | 0.5 | 1,1-Dichloroethene | 0.7 |
| Carbon Tetrachloride | 0.5 | Methyl Ethyl Ketone (2-Butanone) | 200.0 |
| Chlorobenzene | 100.0 | Tetrachloroethene | 0.7 |
| Chloroform | 6.0 | Trichloroethene | 0.5 |
| 1,2-Dichloroethane | 0.5 | Vinyl Chloride | 0.2 |

==========

| | | | | |
|---|---|---|---|---|
| 5386 | Vinyl Chloride | N.D. | 0.0020 | mg/l |
| 5390 | 1,1-Dichloroethene | N.D. | 0.0010 | mg/l |
| 6305 | 2-Butanone | N.D. | 0.0030 | mg/l |
| 5396 | Chloroform | N.D. | 0.0010 | mg/l |
| 5399 | Carbon Tetrachloride | N.D. | 0.0010 | mg/l |
| 5401 | Benzene | N.D. | 0.0010 | mg/l |
| 5402 | 1,2-Dichloroethane | N.D. | 0.0020 | mg/l |
| 5403 | Trichloroethene | N.D. | 0.0010 | mg/l |
| 5409 | Tetrachloroethene | N.D. | 0.0010 | mg/l |
| 5413 | Chlorobenzene | N.D. | 0.0010 | mg/l |

==========

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# FAX Cover Page

Pages 5

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**2425 New Holland Pike**
**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:**

99-273
WS00003 Sludge sample

Pest
PCB's
TCLP SVOC

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: SW3305545 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WS00003 Grab Sludge Sample
Site Code: SC001 RFA#: YGOP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | AS RECEIVED RESULT | METHOD DETECTION LIMIT | UNITS | DRY WEIGHT RESULT | METHOD DETECTION LIMIT |
|---|---|---|---|---|---|---|
| 1225 | TCL Pesticides in Solids | | | | | |

Due to interfering peaks on the chromatogram, the values reported represent the lowest quantitation limits obtainable.

Due to the dilution required for analysis, accurate surrogate recoveries could not be determined for this sample.

The recoveries for DDT and endosulfan I are outside the QC limits for the LCS. Since the recoveries were high and no DDT or endosulfan I was detected in the sample, the results are reported.

==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 1981 | Alpha BHC | N.D. | 6.7 | ug/kg | N.D. | 8.0 |
| 1982 | Beta BHC | N.D. | 6.7 | ug/kg | N.D. | 8.0 |
| 1983 | Delta BHC | N.D. | 6.7 | ug/kg | N.D. | 8.0 |
| 1218 | Gamma BHC - Lindane | N.D. | 6.7 | ug/kg | N.D. | 8.0 |
| 1219 | Heptachlor | N.D. | 6.7 | ug/kg | N.D. | 8.0 |
| 1220 | Aldrin | N.D. | 6.7 | ug/kg | N.D. | 8.0 |
| 1984 | Heptachlor Epoxide | N.D. | 33. | ug/kg | N.D. | 40. |
| 1989 | Endosulfan I | N.D. | 6.7 | ug/kg | N.D. | 8.0 |
| 1222 | Dieldrin | N.D. | 13. | ug/kg | N.D. | 16. |
| 1985 | DDE | N.D. | 13. | ug/kg | N.D. | 16. |
| 1223 | Endrin | N.D. | 67. | ug/kg | N.D. | 80. |
| 1990 | Endosulfan II | N.D. | 67. | ug/kg | N.D. | 80. |
| 1986 | DDD | N.D. | 13. | ug/kg | N.D. | 16. |
| 1991 | Endosulfan Sulfate | N.D. | 13. | ug/kg | N.D. | 16. |
| 1221 | DDT | N.D. | 13. | ug/kg | N.D. | 16. |
| 3017 | Endrin Ketone | N.D. | 13. | ug/kg | N.D. | 16. |
| 1859 | Methoxychlor | N.D. | 67. | ug/kg | N.D. | 80. |
| 3025 | Alpha Chlordane | N.D. | 6.7 | ug/kg | N.D. | 8.0 |
| 3026 | Gamma Chlordane | N.D. | 6.7 | ug/kg | N.D. | 8.0 |
| 1988 | Toxaphene | N.D. | 670. | ug/kg | N.D. | 800. |
| 1992 | Endrin Aldehyde | N.D. | 13. | ug/kg | N.D. | 16. |
| 1993 | PCB-1016 | N.D. | 330. | ug/kg | N.D. | 400. |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1994 | PCB-1221 | N.D. | 780. | ug/kg | N.D. | 940. |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: SW3305545 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | | |
|---|---|---|---|---|---|---|
| 1995 | PCB-1232 | N.D. | 330. | ug/kg | N.D. | 400. |
| 1996 | PCB-1242 | N.D. | 330. | ug/kg | N.D. | 400. |
| 1997 | PCB-1248 | N.D. | 330. | ug/kg | N.D. | 400. |
| 1998 | PCB-1254 | 1,800. | 330. | ug/kg | 2,100. | 400. |
| 1999 | PCB-1260 | N.D. | 330. | ug/kg | N.D. | 400. |

==========

Sample Number: TL3305546 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WS00003 Grab Sludge Sample TCLP NVE
Site Code: SC001 RFA#: YGOP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0949 | TCLP Acid Base/Neutrals | | | |

Poor surrogate recoveries were observed for the GC/MS semivolatile compounds. The analysis was repeated outside of the required hold time and poor surrogate recoveries were again observed, indicating a significant matrix effect. The data reported is from the initial extraction of the sample. Both sets of data are being submitted in the data package. Please refer to the case narrative for further details.

==========

The semivolatile analyses were performed on a non-volatile toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94). If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Total Methylphenols | 200.0 | Nitrobenzene | 2.0 |
| 1,4-Dichlorobenzene | 7.5 | Pentachlorophenol | 100.0 |
| 2,4-Dinitrotoluene | 0.13 | Pyridine | 5.0 |
| Hexachlorobenzene | 0.13 | 2,4,5-Trichlorophenol | 400.0 |
| Hexachlorobutadiene | 0.5 | 2,4,6-Trichlorophenol | 2.0 |
| Hexachloroethane | 3.0 | | |

==========

| | | | | |
|---|---|---|---|---|
| 3324 | Pyridine | N.D. | 0.0040 | mg/l |
| 3325 | 1,4-Dichlorobenzene | N.D. | 0.0020 | mg/l |

| | | | | |
|---|---|---|---|---|
| 3326 | 2-Methylphenol | N.D. | 0.0020 | mg/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3305546 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3327 | 4-Methylphenol | 0.016 J | 0.0060 | mg/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3328 | Hexachloroethane | N.D. | 0.0020 | mg/l |
| 3329 | Nitrobenzene | N.D. | 0.0020 | mg/l |
| 3330 | Hexachlorobutadiene | N.D. | 0.0040 | mg/l |
| 3331 | 2,4,6-Trichlorophenol | N.D. | 0.0040 | mg/l |
| 3332 | 2,4,5-Trichlorophenol | N.D. | 0.0040 | mg/l |
| 3333 | 2,4-Dinitrotoluene | N.D. | 0.0020 | mg/l |
| 3334 | Hexachlorobenzene | N.D. | 0.0040 | mg/l |
| 3335 | Pentachlorophenol | N.D. | 0.0060 | mg/l |

==========

Sample Number: TL3305547 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WS00003 Grab Sludge Sample TCLP ZHE
Site Code: SC001 RFA#: YGQP9900273
Dayton Thermal Products/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: TL3305548 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

TCLP NVE Tumbler Blank Sample
Site Code: SC001 RFA#: YGQP9900273
Dayton Thermal Products/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|
| 0949 TCLP Acid Base/Neutrals | | | |

The semivolatile analyses were performed on a non-volatile toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94). If the TCLP extract contains any one of the toxicity Characteristic

TC) constituents in an amount equal to or exceeding the concentrations



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3305548 Account: 10160 DAIMLERCHRYSLER CORPORATION

specified in 40 CFR part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Total Methylphenols | 200.0 | Nitrobenzene | 2.0 |
| 1,4-Dichlorobenzene | 7.5 | Pentachlorophenol | 100.0 |
| 2,4-Dinitrotoluene | 0.13 | Pyridine | 5.0 |
| Hexachlorobenzene | 0.13 | 2,4,5-Trichlorophenol | 400.0 |
| Hexachlorobutadiene | 0.5 | 2,4,6-Trichlorophenol | 2.0 |
| Hexachloroethane | 3.0 | | |

==========

| | | | | |
|---|---|---|---|---|
| 3324 | Pyridine | N.D. | 0.0040 | mg/l |
| 3325 | 1,4-Dichlorobenzene | N.D. | 0.0020 | mg/l |
| 3326 | 2-Methylphenol | N.D. | 0.0020 | mg/l |
| 3327 | 4-Methylphenol | N.D. | 0.0060 | mg/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3328 | Hexachloroethane | N.D. | 0.0020 | mg/l |
| 3329 | Nitrobenzene | N.D. | 0.0020 | mg/l |
| 3330 | Hexachlorobutadiene | N.D. | 0.0040 | mg/l |
| 3331 | 2,4,6-Trichlorophenol | N.D. | 0.0040 | mg/l |
| 3332 | 2,4,5-Trichlorophenol | N.D. | 0.0040 | mg/l |
| 3333 | 2,4-Dinitrotoluene | N.D. | 0.0020 | mg/l |
| 3334 | Hexachlorobenzene | N.D. | 0.0040 | mg/l |
| 3335 | Pentachlorophenol | N.D. | 0.0060 | mg/l |

==========

Sample Number: TL3305549 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

TCLP ZHE Tumbler Blank Sample
Site Code: SC001 RFA#: YGOP9900273
Dayton Thermal Products/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

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# FAX Cover Page

**Pages 6**

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**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:** Preliminary

WS00003

| | | | | |
|---|---|---|---|---|
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3305541 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 6302 | Acetone | 320. | | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | | 2. | ug/l |
| 5396 | Chloroform | N.D. | | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | 76. | | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | 3. | J | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | 80. | | 5. | ug/l |
| 6309 | 2-Hexanone | 10. | | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | | 1. | ug/l |
| 5407 | Toluene | N.D. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | 3. | J | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | N.D. | | 2. | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | N.D. | 0.0044 | mg/l |
| 7046 | Barium TR | 0.0468 | 0.00049 | mg/l |
| 7049 | Cadmium TR | 0.0031 | 0.00081 | mg/l |
| 7053 | Copper TR | 0.0241 | 0.0029 | mg/l |
| 7055 | Lead TR | 0.127 | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 5.74 | 0.0030 | mg/l |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3305542 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WLT011100 Trip Blank Grab Water Sample
Site Code: SC001 RFA# YGWP9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | 2. | ug/l |

5395 cis-1,2-Dichloroethene N.D. 2. ug/l



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3505542 Account: 10160 DAIMLERCHRYSLER CORPORATION

==========

Sample Number: WW3505543 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |

| | | | | |
|---|---|---|---|---|
| 5392 | trans-1,2-Dichloroethene | N.D. | 2. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3305543 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 5395 | cis-1,2-Dichloroethene | N.D | 2. | ug/l |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: SW3305545 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WS00003 Grab Sludge Sample
Site Code: SC001 RFA#: YGAP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | AS RECEIVED RESULT | METHOD DETECTION LIMIT | UNITS | DRY WEIGHT RESULT | METHOD DETECTION LIMIT |
|---|---|---|---|---|---|---|
| 0111 | Moisture | 16.6 | 0.50 | % by wt. | | |

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.
==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 0394 | pH | 10.4 | 0.010 | | | |

The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min.
==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below | | |

Corrosivity:
The pH of a 1:1 slurry (with deionized water) was 10.36 indicating that the waste is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12.5.
==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 0542 | Ignitability | See Below | | See Below | | |

The sample did not spontaneously ignite when exposed to air or water.
The sample did not ignite by friction.
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.
==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 1121 | Reactivity | See Below | | See Below | | |

Reactivity:
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.

==========



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: SW3305545 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 1863 | Appendix IX Herbicides in Soil | | | |

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The Limits of Quantitation (LOQ's) were raised accordingly.

Due to the dilution required for analysis, accurate surrogate recoveries could not be determined for this sample.

==========

| | | | | | | |
|---|---|---|---|---|---|---|
| 4174 | 2,4-D | N.D. | 170. | ug/kg | N.D. | 200. |
| 4175 | Dinoseb | N.D. | 190. | ug/kg | N.D. | 230. |
| 4176 | 2,4,5-TP (Silvex) | N.D. | 17. | ug/kg | N.D. | 20. |
| 4177 | 2,4,5-T | N.D. | 17. | ug/kg | N.D. | 20. |

==========

Sample Number: TL3305546 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WS00003 Grab Sludge Sample TCLP NVF
Site Code: SC001 RFA#: YGQP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0259 | Mercury | N.D. | 0.0010 | mg/l |

The metal analyses were performed on a non-volatile leachate prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, December, 1994). A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Arsenic | 5.0 | Cadmium | 1.0 | Lead | 5.0 | Selenium | 1.0 |
| Barium | 100.0 | Chromium | 5.0 | Mercury | 0.2 | Silver | 5.0 |

The quantitation limit for mercury was increased due to the nature of the sample matrix.

==========

| | | | | |
|---|---|---|---|---|
| 1751 | Chromium | N.D. | 0.0098 | mg/l |
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | 0.042 | 0.0044 | mg/l |
| 7046 | Barium TR | 1.07 | 0.00049 | mg/l |

| | | | | |
|---|---|---|---|---|
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3305546 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 7053 | Copper TR | 0.0072 | 0.0029 | mg/l |
| 7055 | Lead TR | N.D. | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 22.3 | 0.0030 | mg/l |

Sample Number: TL3305547 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

WS00003 Grab Sludge Sample TCLP ZHE
Site Code: SC001 RFA#: YG0P9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 3636 | TCLP by 8260 | | | |

The volatile organic analyses were performed on a zero headspace toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94).
If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR Part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Benzene | 0.5 | 1,1-Dichloroethene | 0.7 |
| Carbon Tetrachloride | 0.5 | Methyl Ethyl Ketone (2-Butanone) | 200.0 |
| Chlorobenzene | 100.0 | Tetrachloroethene | 0.7 |
| Chloroform | 6.0 | Trichloroethene | 0.5 |
| 1,2-Dichloroethane | 0.5 | Vinyl Chloride | 0.2 |

==========

| | | | | |
|---|---|---|---|---|
| 5386 | Vinyl Chloride | N.D. | 0.010 | mg/l |
| 5390 | 1,1-Dichloroethene | N.D. | 0.0050 | mg/l |
| 6305 | 2-Butanone | N.D. | 0.015 | mg/l |
| 5396 | Chloroform | N.D. | 0.0050 | mg/l |
| 5399 | Carbon Tetrachloride | N.D. | 0.0050 | mg/l |
| 5401 | Benzene | N.D. | 0.0050 | mg/l |
| 5402 | 1,2-Dichloroethane | N.D. | 0.010 | mg/l |
| 5403 | Trichloroethene | N.D. | 0.0050 | mg/l |
| 5409 | Tetrachloroethene | N.D. | 0.0050 | mg/l |
| 5413 | Chlorobenzene | N.D. | 0.0050 | mg/l |

==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3305547 Account: 10160 DAIMLERCHRYSLER CORPORATION

Sample Number: TL3305548 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

TCLP NVE Tumbler Blank Sample
Site Code: SC001 RFA#: YGOP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0259 | Mercury | N.D. | 0.00010 | mg/l |

The metal analyses were performed on a non-volatile leachate prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, December, 1994). A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Arsenic | 5.0 | Cadmium | 1.0 | Lead | 5.0 | Selenium | 1.0 |
| Barium | 100.0 | Chromium | 5.0 | Mercury | 0.2 | Silver | 5.0 |

==========

| | | | | |
|---|---|---|---|---|
| 1751 | Chromium | N.D. | 0.0098 | mg/l |
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | 0.0057 J | 0.0044 | mg/l |
| 7046 | Barium TR | 0.0036 | 0.00049 | mg/l |
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l |
| 7053 | Copper TR | 0.0082 | 0.0029 | mg/l |
| 7055 | Lead TR | N.D. | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 0.028 | 0.0030 | mg/l |

Sample Number: TL3305549 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/12/00 Date Reported: NOT REP
Date Collected: 01/11/00

TCLP ZHE Tumbler Blank Sample
Site Code: SC001 RFA#: YGOP9900273
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 3636 | TCLP by 8260 | | | |

The volatile organic analyses were performed on a zero headspace toxicity

characteristic leachate of the submitted waste. The leachate was prepared



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3505549 Account: 10160 DAIMLERCHRYSLER CORPORATION

according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94).
If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR Part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Benzene | 0.5 | 1,1-Dichloroethene | 0.7 |
| Carbon Tetrachloride | 0.5 | Methyl Ethyl Ketone (2-Butanone) | 200.0 |
| Chlorobenzene | 100.0 | Tetrachloroethene | 0.7 |
| Chloroform | 6.0 | Trichloroethene | 0.5 |
| 1,2-Dichloroethane | 0.5 | Vinyl Chloride | 0.2 |

==========

| | | | | |
|---|---|---|---|---|
| 5386 | Vinyl Chloride | N.D. | 0.0020 | mg/l |
| 5390 | 1,1-Dichloroethene | N.D. | 0.0010 | mg/l |
| 6305 | 2-Butanone | N.D. | 0.0030 | mg/l |
| 5396 | Chloroform | N.D. | 0.0010 | mg/l |
| 5399 | Carbon Tetrachloride | N.D. | 0.0010 | mg/l |
| 5401 | Benzene | N.D. | 0.0010 | mg/l |
| 5402 | 1,2-Dichloroethane | N.D. | 0.0020 | mg/l |
| 5403 | Trichloroethene | N.D. | 0.0010 | mg/l |
| 5409 | Tetrachloroethene | N.D. | 0.0010 | mg/l |
| 5413 | Chlorobenzene | N.D. | 0.0010 | mg/l |

==========

Lancaster Laboratories
Where quality is a science.

# FAX Cover Page

Pages 7

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**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

Prelim.

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:**

99-2716
WL41171

Ig
Corr
Pest
PCB
React
Herb
VOC
Metals
SVOC

~~need SVOC~~

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303200 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/07/00 Date Reported: NOT REP
Date Collected: 01/06/00

WL41171 Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 7.65 | 0.010 | |
| 0259 | Mercury | 0.00150 | 0.00010 | mg/l |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 185F.
Test flame extinguished at 165F.
Flash point was determined using Pensky Martens closed cup apparatus.
==========

| | | | | |
|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below |

Corrosivity:
The pH of the sample was 7.65 indicating that the waste was not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.
==========

0937 TCL Pesticides in Waters
The alpha chlordane and endrin ketone recoveries for the LCS are within the QC limits; however the recoveries are flagged before the results are rounded and therefore the QC Summary Form is labeling these recoveries as outside QC limits.

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to interfering peaks on the chromatogram, the values reported represent the lowest quantitation limits obtainable.
Despite numerous cleanup methods, we were unable to reach our usual quantitation limits.

Due to the dilution required for analysis, accurate surrogate recoveries could not be determined for the sample.
==========

| | | | | |
|---|---|---|---|---|
| 1600 | Alpha BHC | N.D. | 2.0 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303200 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 1601 | Beta BHC | N.D. | 10. | ug/l |
| 1603 | Delta BHC | N.D. | 5.8 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 10. | ug/l |
| 1604 | Heptachlor | N.D. | 2.0 | ug/l |
| 1605 | Aldrin | N.D. | 2.0 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | 2.0 | ug/l |
| 1616 | Endosulfan I | N.D. | 2.0 | ug/l |
| 1610 | Dieldrin | N.D. | 4.0 | ug/l |
| 1607 | DDE | N.D. | 4.0 | ug/l |
| 1611 | Endrin | N.D. | 4.0 | ug/l |
| 1615 | Endosulfan II | N.D. | 4.0 | ug/l |
| 1608 | DDD | N.D. | 4.0 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 4.0 | ug/l |
| 1609 | DDT | 83. | 4.0 | ug/l |
| 0938 | Endrin Ketone | N.D. | 4.0 | ug/l |
| 1860 | Methoxychlor | N.D. | 20. | ug/l |
| 1361 | Alpha Chlordane | N.D. | 2.0 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 2.0 | ug/l |
| 1613 | Toxaphene | N.D. | 300. | ug/l |
| 1618 | Endrin Aldehyde | N.D. | 4.0 | ug/l |
| 1619 | PCB-1016 | N.D. | 100. | ug/l |
| 1620 | PCB-1221 | N.D. | 100. | ug/l |
| 1621 | PCB-1232 | N.D. | 100. | ug/l |
| 1622 | PCB-1242 | N.D. | 100. | ug/l |
| 1623 | PCB-1248 | N.D. | 100. | ug/l |
| 1624 | PCB-1254 | 370. J | 100. | ug/l |
| 1626 | PCB-1260 | N.D. | 100. | ug/l |

==========

| | | | |
|---|---|---|---|
| 1121 | Reactivity | See Below | See Below |

Reactivity:
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.

==========

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 1751 | Chromium | 0.787 | 0.0098 | mg/l |
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 6302 | Acetone | 22. | 6. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303200 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | | 2. | ug/l |
| 5396 | Chloroform | N.D. | | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | 6. | J | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | | 1. | ug/l |
| 5407 | Toluene | N.D. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | 4. | J | 2. | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 7035 | Arsenic TR | 0.0097 | J | 0.0050 | mg/l |
| 7036 | Selenium TR | N.D. | | 0.0044 | mg/l |
| 7046 | Barium TR | 0.461 | | 0.00049 | mg/l |
| 7049 | Cadmium TR | 0.0105 | | 0.00081 | mg/l |
| 7053 | Copper TR | 0.793 | | 0.0029 | mg/l |
| 7055 | Lead TR | 1.26 | | 0.0079 | mg/l |
| 7066 | Silver TR | 0.0187 | | 0.0017 | mg/l |
| 7072 | Zinc TR | 13.1 | | 0.0030 | mg/l |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303200 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/07/00 Date Reported: NOT REP
Date Collected: 01/06/00

WL41171 Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| 1316 | AppendixIX Herbicides - Waters | | | | |

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

==========

| | | | | | |
|---|---|---|---|---|---|
| 0288 | 2,4-D | 2.9 | J | 1.0 | ug/l |
| 1314 | Dinoseb | 0.98 | J | 0.50 | ug/l |
| 0289 | 2,4,5-TP | 0.26 | J | 0.10 | ug/l |
| 1315 | 2,4,5-T | 2.45 | | 0.10 | ug/l |

==========

Sample Number: WW3303201 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/07/00 Date Reported: NOT REP
Date Collected:

Trip Blank Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303202 Account: 70160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/07/00 Date Reported: NOT REP
Date Collected: 01/07/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YQ09900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303201 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/07/00 Date Reported: NOT REP
Date Collected:

Trip Blank Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | 2. | ug/l |

5395 cis-1,2-Dichloroethene N.D. 2. ug/l



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303201 Account: 10160 DAIMLERCHRYSLER CORPORATION

==========

Sample Number: WW3303202 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/07/00 Date Reported: NOT REP
Date Collected: 01/07/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |

5392 trans-1,2-Dichloroethene N.D. 2. ug/l



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303202 Account: 10160 DAIMLERCHRYSLER CORPORATION

5395 cis-1,2-Dichloroethene N.D. 2. ug/l

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2425 New Holland Pike
Lancaster, PA 17605-2425

Phone: 717-656-2300
Fax: 717-656-2681

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:**

99-271G

Preliminary

GC/MS

SVOC

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303200 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/07/00 Date Reported: NOT REP
Date Collected: 01/06/00

WL41171 Grab Water Sample
Site Code: SC001 RFA# YG0F9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 4678 | TCL SW846 Semivolatiles/Waters | | | |
| 3925 | Phenol | N.D. | 240. | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | 240. | ug/l |
| 3924 | 2-Chlorophenol | N.D. | 240. | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | 240. | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | 240. | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | 240. | ug/l |
| 4680 | 2-Methylphenol | N.D. | 240. | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | 240. | ug/l |
| 4682 | 4-Methylphenol | N.D. | 710. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.
==========

| | | | | |
|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | 240. | ug/l |
| 3941 | Hexachloroethane | N.D. | 240. | ug/l |
| 3943 | Nitrobenzene | N.D. | 240. | ug/l |
| 3944 | Isophorone | N.D. | 240. | ug/l |
| 3926 | 2-Nitrophenol | N.D. | 240. | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | 240. | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | 240. | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | 240. | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | 240. | ug/l |
| 3947 | Naphthalene | N.D. | 240. | ug/l |
| 3871 | 4-Chloroaniline | N.D. | 240. | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | 470. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | 240. | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | 240. | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | 1,200. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | 470. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | 470. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | 240. | ug/l |
| 3907 | 2-Nitroaniline | N.D. | 470. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3957 | Dimethylphthalate | N.D. | 470. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303200 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3951 | Acenaphthylene | N.D. | 240. | ug/l |

==========

4679 TCL SW846 Semivolatiles/Waters
Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The percent recoveries for 4-Chloroaniline were outside QC limits in the LCS/LCSD associated with this sample. The analysis was repeated, and poor percent recoveries for 4-Chloroaniline were again observed. The sample data are not comparable. The data reported here are from the initial extraction of the sample. Both sets of data are being submitted in the data package. Please refer to the case narrative for further details.

The usual quantitation limits could not be attained due to the matrix of the sample or interferences observed in the GC/MS semivolatile analysis.

The quantitation limits for the GC/MS semivolatile compounds were raised due to the high concentration of non-target compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3908 | 3-Nitroaniline | N.D. | 470. | ug/l |
| 3954 | Acenaphthene | N.D. | 240. | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 4,700. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 2,400. | ug/l |
| 3879 | Dibenzofuran | N.D. | 240. | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 240. | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 470. | ug/l |
| 3958 | Diethylphthalate | N.D. | 470. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 240. | ug/l |
| 3956 | Fluorene | N.D. | 240. | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 470. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 1,200. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | 240. | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | 470. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | 470. | ug/l |
| 3934 | Pentachlorophenol | N.D. | 710. | ug/l |
| 3963 | Phenanthrene | N.D. | 240. | ug/l |
| 3964 | Anthracene | N.D. | 240. | ug/l |
| 4684 | Carbazole | N.D. | 710. | ug/l |
| 3965 | Di-n butylphthalate | N.D. | 470. | ug/l |
| 3966 | Fluoranthene | N.D. | 240. | ug/l |
| 3967 | Pyrene | N.D. | 240. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3969 | Butylbenzylphthalate | 2,900 | 470. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3303200 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3972 | 3,3'-Dichlorobenzidine | N.D. | 470. | ug/l |
| 3970 | Benzo(a)anthracene | N.D. | 240. | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 830 J | 470. | ug/l |
| 3971 | Chrysene | N.D. | 240. | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | 470. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | 240. | ug/l |
| 3976 | Benzo(k)fluoranthene | N.D. | 240. | ug/l |
| 3977 | Benzo(a)pyrene | N.D. | 240. | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | 240. | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | 240. | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | 240. | ug/l |

Sample Number: WW3303201 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/07/00 Date Reported: NOT REP
Date Collected:

Trip Blank Water Sample
Site Code: SC001 RFA# YG0P9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3303202 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/07/00 Date Reported: NOT REP
Date Collected: 01/07/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YG0P9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

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**2425 New Holland Pike**
**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefelter Ext 1566

**Message:**

99-273
WS PRESS 18 UST

Moist.
pH
corros.
Ign.
React.
Herb
SVOC
metals
VOC

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: SW3308655 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/16/00

WSPRESS18 UST Grab Soil Sample
Site Code: SC001 RFA#: YGOR9900275
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | AS RECEIVED RESULT | METHOD DETECTION LIMIT | UNITS | DRY WEIGHT RESULT | METHOD DETECTION LIMIT |
|---|---|---|---|---|---|---|
| 0111 | Moisture | 3.94 | 0.50 | % by wt. | | |

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.

==========

| | | | | | |
|---|---|---|---|---|---|
| 0394 | pH | 8.66 | 0.010 | | |

The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min.

==========

| | | | | | |
|---|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below | |

Corrosivity:
The pH of a 1:1 slurry (with deionized water) was 8.66 indicating that the waste is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12.5.

==========

| | | | | | |
|---|---|---|---|---|---|
| 0542 | Ignitability | See Below | | See Below | |

The sample did not spontaneously ignite when exposed to air or water.
The sample did not ignite by friction.
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.

==========

| | | | | | |
|---|---|---|---|---|---|
| 1121 | Reactivity | See Below | | See Below | |

Reactivity:
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.

==========



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: SW3308653 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | | |
|---|---|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg | | |
| 1123 | Cyanide (Reactivity) | N.D. | 99. | mg/kg | | |
| 1863 | Appendix IX Herbicides in Soil | | | | | |
| 4174 | 2,4-D | N.D. | 3.3 | ug/kg | N.D. | 5.4 |
| 4175 | Dinoseb | N.D. | 3.8 | ug/kg | N.D. | 4.0 |
| 4176 | 2,4,5-TP (Silvex) | N.D. | 0.33 | ug/kg | N.D. | 0.34 |
| 4177 | 2,4,5-T | N.D. | 0.33 | ug/kg | N.D. | 0.34 |

==========

Sample Number: TL3308654 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/16/00

WSPRESS18 UST Grab Soil Sample
Site Code: SC001 RFA#: YG0F9900273 TCLP NVF
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0259 | Mercury | N.D. | 0.00010 | mg/l |

The metal analyses were performed on a non-volatile leachate prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, December, 1994). A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Arsenic | 5.0 | Cadmium | 1.0 | Lead | 5.0 | Selenium | 1.0 |
| Barium | 100.0 | Chromium | 5.0 | Mercury | 0.2 | Silver | 5.0 |

==========

0949 TCLP Acid Base/Neutrals
The semivolatile analyses were performed on a non-volatile toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94). If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Total Methylphenols | 200.0 | Nitrobenzene | 2.0 |
| 1,4-Dichlorobenzene | 7.5 | Pentachlorophenol | 100.0 |
| 2,4-Dinitrotoluene | 0.13 | Pyridine | 5.0 |

Hexachlorobenzene 0.13 2,4,5-Trichlorophenol 400.0



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3308654 Account: 10160 DAIMLERCHRYSLER CORPORATION

Hexachlorobutadiene 0.5 2,4,6-Trichlorophenol 2.0
Hexachloroethane 3.0

==========

| | | | | |
|---|---|---|---|---|
| 3324 | Pyridine | N.D. | 0.0040 | mg/l |
| 3325 | 1,4-Dichlorobenzene | N.D. | 0.0020 | mg/l |
| 3326 | 2-Methylphenol | N.D. | 0.0020 | mg/l |
| 3327 | 4-Methylphenol | N.D. | 0.0060 | mg/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3328 | Hexachloroethane | N.D. | 0.0020 | mg/l |
| 3329 | Nitrobenzene | N.D. | 0.0020 | mg/l |
| 3330 | Hexachlorobutadiene | N.D. | 0.0040 | mg/l |
| 3331 | 2,4,6-Trichlorophenol | N.D. | 0.0040 | mg/l |
| 3332 | 2,4,5-Trichlorophenol | N.D. | 0.0040 | mg/l |
| 3333 | 2,4-Dinitrotoluene | 0.0077 J | 0.0020 | mg/l |
| 3334 | Hexachlorobenzene | N.D. | 0.0040 | mg/l |
| 3335 | Pentachlorophenol | N.D. | 0.0060 | mg/l |

==========

| | | | | |
|---|---|---|---|---|
| 1751 | Chromium | N.D. | 0.0098 | mg/l |
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | 0.0060 J | 0.0044 | mg/l |
| 7046 | Barium TR | 0.340 | 0.00049 | mg/l |
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l |
| 7053 | Copper TR | 0.0044 | 0.0029 | mg/l |
| 7055 | Lead TR | N.D. | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 0.045 | 0.0030 | mg/l |

Sample Number: TL3308655 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected:

Tumbler Blank Sample
Site Code: SC001 RFA#: YGGP9900273 TCLP NVE
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0259 | Mercury | N.D. | 0.00010 | mg/l |

The metal analyses were performed on a non-volatile leachate prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3,

ecember, 1994). A sample is considered to have failed the Toxicity



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3308655 Account: 10160 DAIMLERCHRYSLER CORPORATION

Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Arsenic | 5.0 | Cadmium | 1.0 | Lead | 5.0 | Selenium | 1.0 |
| Barium | 100.0 | Chromium | 5.0 | Mercury | 0.2 | Silver | 5.0 |

==========

0949 TCLP Acid Base/Neutrals

The semivolatile analyses were performed on a non-volatile toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94). If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Total Methylphenols | 200.0 | Nitrobenzene | 2.0 |
| 1,4-Dichlorobenzene | 7.5 | Pentachlorophenol | 100.0 |
| 2,4-Dinitrotoluene | 0.13 | Pyridine | 5.0 |
| Hexachlorobenzene | 0.13 | 2,4,5-Trichlorophenol | 400.0 |
| Hexachlorobutadiene | 0.5 | 2,4,6-Trichlorophenol | 2.0 |
| Hexachloroethane | 3.0 | | |

==========

| | | | | |
|---|---|---|---|---|
| 3324 | Pyridine | N.D. | 0.0040 | mg/l |
| 3325 | 1,4-Dichlorobenzene | N.D. | 0.0020 | mg/l |
| 3326 | 2-Methylphenol | N.D. | 0.0020 | mg/l |
| 3327 | 4-Methylphenol | N.D. | 0.0060 | mg/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3328 | Hexachloroethane | N.D. | 0.0020 | mg/l |
| 3329 | Nitrobenzene | N.D. | 0.0020 | mg/l |
| 3330 | Hexachlorobutadiene | N.D. | 0.0040 | mg/l |
| 3331 | 2,4,6-Trichlorophenol | N.D. | 0.0040 | mg/l |
| 3332 | 2,4,5-Trichlorophenol | N.D. | 0.0040 | mg/l |
| 3333 | 2,4-Dinitrotoluene | N.D. | 0.0020 | mg/l |
| 3334 | Hexachlorobenzene | N.D. | 0.0040 | mg/l |
| 3335 | Pentachlorophenol | N.D. | 0.0060 | mg/l |

==========

| | | | | |
|---|---|---|---|---|
| 1751 | Chromium | N.D. | 0.0098 | mg/l |
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | 0.0065 J | 0.0044 | mg/l |
| 7046 | Barium TR | 0.0026 | 0.00049 | mg/l |

| | | | | |
|---|---|---|---|---|
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3308655 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 7053 | Copper TR | 0.0121 | 0.0029 | mg/l |
| 7055 | Lead TR | N.D. | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 0.0130 J | 0.0030 | mg/l |

Sample Number: TL3308656 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/16/00

WSPRESS18 UST Grab Soil Sample
Site Code: RC001 RFA#: YGOP9900273 TCLP ZHE
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 3636 | TCLP by 8260 | | | |

The volatile organic analyses were performed on a zero headspace toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94).
If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR Part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Benzene | 0.5 | 1,1-Dichloroethene | 0.7 |
| Carbon Tetrachloride | 0.5 | Methyl Ethyl Ketone (2-Butanone) | 200.0 |
| Chlorobenzene | 100.0 | Tetrachloroethene | 0.7 |
| Chloroform | 6.0 | Trichloroethene | 0.5 |
| 1,2-Dichloroethane | 0.5 | Vinyl Chloride | 0.2 |

==========

| | | | | |
|---|---|---|---|---|
| 5386 | Vinyl Chloride | N.D. | 0.010 | mg/l |
| 5390 | 1,1-Dichloroethene | N.D. | 0.0050 | mg/l |
| 6305 | 2-Butanone | N.D. | 0.015 | mg/l |
| 5396 | Chloroform | N.D. | 0.0050 | mg/l |
| 5399 | Carbon Tetrachloride | N.D. | 0.0050 | mg/l |
| 5401 | Benzene | N.D. | 0.0050 | mg/l |
| 5402 | 1,2-Dichloroethane | N.D. | 0.010 | mg/l |
| 5403 | Trichloroethene | N.D. | 0.0050 | mg/l |
| 5409 | Tetrachloroethene | N.D. | 0.0050 | mg/l |
| 5413 | Chlorobenzene | N.D. | 0.0050 | mg/l |

==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: TL3308656 Account: 10160 DAIMLERCHRYSLER CORPORATION

Sample Number: TL3308657 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected:

Tumbler Blank Sample
Site Code: SC001 RFA#: YG0P9900273 TCLP ZHE
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 3636 | TCLP by 8260 | | | |

The volatile organic analyses were performed on a zero headspace toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94).
If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR Part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

| | | | |
|---|---|---|---|
| Benzene | 0.5 | 1,1-Dichloroethene | 0.7 |
| Carbon Tetrachloride | 0.5 | Methyl Ethyl Ketone (2-Butanone) | 200.0 |
| Chlorobenzene | 100.0 | Tetrachloroethene | 0.7 |
| Chloroform | 6.0 | Trichloroethene | 0.5 |
| 1,2-Dichloroethane | 0.5 | Vinyl Chloride | 0.2 |

==========

| | | | | |
|---|---|---|---|---|
| 5386 | Vinyl Chloride | N.D. | 0.0020 | mg/l |
| 5390 | 1,1-Dichloroethene | N.D. | 0.0010 | mg/l |
| 6305 | 2-Butanone | N.D. | 0.0030 | mg/l |
| 5396 | Chloroform | N.D. | 0.0010 | mg/l |
| 5399 | Carbon Tetrachloride | N.D. | 0.0010 | mg/l |
| 5401 | Benzene | N.D. | 0.0010 | mg/l |
| 5402 | 1,2-Dichloroethane | N.D. | 0.0020 | mg/l |
| 5403 | Trichloroethene | N.D. | 0.0010 | mg/l |
| 5409 | Tetrachloroethene | N.D. | 0.0010 | mg/l |
| 5413 | Chlorobenzene | N.D. | 0.0010 | mg/l |

==========

Analysis Rep

Lancaster Laboratories
Where quality is a science.

JAN 14 2000



**LLI Sample No. G5 3288901**
Collected: 12/09/99 at 17:00 by MP

Account No: I0160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900277

Submitted: 12/10/99 Reported: 12/29/99
Discard: 02/28/00

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton. OH
1TP01 SDG#: DCC78-04

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| 1646 | Barium | 2.21 | J | 0.38 | mg/kg |
| 1649 | Cadmium | N.D. | | 0.40 | mg/kg |
| 1651 | Chromium | 3.9 | J | 1.6 | mg/kg |
| 1653 | Copper | 258. | | 0.64 | mg/kg |
| 1655 | Lead | 49. | | 4.0 | mg/kg |
| 1666 | Silver | 1.78 | J | 0.46 | mg/kg |
| 1672 | Zinc | 33. | | 3.6 | mg/kg |
| 0159 | Mercury | 0.0053 | J | 0.0025 | mg/kg |
| 1145 | Arsenic (furnace method) | 0.79 | J | 0.47 | mg/kg |
| | The quantitation limit for arsenic was increased due to the nature of the sample matrix. | | | | |
| 1164 | Selenium (furnace method) | N.D. | | 1.3 | mg/kg |
| | The quantitation limit for selenium was increased due to the nature of the sample matrix. | | | | |
| 0174 | PCBs in Oil | | | | See Page 2 |
| 0394 | pH | 5.69 | | 0.010 | |
| | The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min. | | | | |
| 0430 | Flash Point for Liquids | No Flash Observed | | | Degrees F |
| | No flash observed below 216F. Test flame extinguished at 196F. Flash point was determined using Pensky Martens closed cup apparatus. | | | | |

1 COPY TO Leggette, Brashears & Graham ATTN: Mr. Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300
09:23:39 D 0001 1 139743 695090
885 25.00 00047200 ASR000

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

MEMBER ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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See reverse side for explanation of symbols and abbreviations.

Analysis Rep

Lancaster Laboratories
Where quality is a science.



LLI Sample No. G5 3288901
Collected: 12/09/99 at 17:00 by MP

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900277

Submitted: 12/10/99 Reported: 12/29/99
Discard: 02/28/00

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| PCBs in Oil | | | | |
| 4815 | PCB-1016 | N.D. | 500. | ug/kg |
| 4816 | PCB-1221 | N.D. | 500. | ug/kg |
| 4817 | PCB-1232 | N.D. | 500. | ug/kg |
| 4818 | PCB-1242 | N.D. | 500. | ug/kg |
| 4819 | PCB-1248 | N.D. | 500. | ug/kg |
| 4820 | PCB-1254 | N.D. | 500. | ug/kg |
| 4821 | PCB-1260 | N.D. | 500. | ug/kg |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

&&&

Analysis Rep

LABORATORY CHRONICL

Lancaster Laboratories
Where quality is a science.



LLI Sample No. G5 3288901
Collected: 12/09/99 at 17:00 by MP

Submitted: 12/10/99

Account No: 10160
DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO | ANALYSIS NAME | METHOD | TRIAL | ANALYSIS ID | DATE AND TIME | ANALYST |
|---|---|---|---|---|---|---|
| 1646 | Barium | SW-846 6010B | 1 | | 12/16/99 0535 | Brenda A. Weaver |
| 1649 | Cadmium | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1651 | Chromium | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1653 | Copper | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1655 | Lead | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1666 | Silver | SW-846 6010B | 1 | | 12/15/99 2338 | Donna R. Sackett |
| 1672 | Zinc | SW-846 6010B | 1 | | 12/15/99 2338 | Donna R. Sackett |
| 1850 | Oil Metals Digestion | SW-846 3050 modified | 1 | | 12/14/99 2330 | Annamaria Stipkovits |
| 0159 | Mercury | SW-846 7471A | 1 | | 12/19/99 1627 | Nelli S. Markaryan |
| 1015 | Oil Metals Digestion | SW-846 3050A modified | 1 | | 12/14/99 2130 | Annamaria Stipkovits |
| 1145 | Arsenic (furnace method) | SW-846 7060A | 1 | | 12/23/99 1523 | Erika J. Miller |
| 1164 | Selenium (furnace method) | SW-846 7740 | 1 | | 12/28/99 2109 | Heidi L. Ortenzi |
| 5711 | SW SW846 Hg Digest | SW-846 7471A modified | 1 | | 12/17/99 2315 | Annamaria Stipkovits |
| 0174 | PCBs in Oil | SW-846 8082 | 1 | | 12/16/99 0843 | Rick Shober |
| 0815 | Oil Sample PCB's Cleanup Ext. | SW-846 3580A | 1 | | 12/14/99 0815 | Jacqueline Fellenbaum |
| 0394 | pH | SW-846 9045C (modified) | 1 | | 11/15/99 2030 | Luz M. Groff |
| 0430 | Flash Point for Liquids | ASTM D 93-90 | 1 | | 12/14/99 1025 | Susan A. Engle |

# Analysis Report

QUALITY CONTROL REPORT

Lancaster Laboratories
Where quality is a science.



**LLI Sample No. 3288901**
WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH

Group No. 695090
DaimlerChrysler Corporation

| | SAMPLE MDL | SAMPLE UNITS | BLANK | DUP RPD | MS | MSD | MS RPD | LCS | LCS DUP | LCS RPD | LCS LIMITS LOW | LCS LIMITS HIGH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1646 Barium | 0.38 | mg/kg | Batch: 993481850001 N.D. | 0 (1) | 111 | | | 114 | | | 80 | 120 |
| 1649 Cadmium | 0.40 | mg/kg | Batch: 993481850001 N.D. | 0 (1) | 92 | | | 92 | | | 80 | 120 |
| 1651 Chromium | 1.6 | mg/kg | Batch: 993481850001 N.D. | 0 (1) | 102 | | | 103 | | | 80 | 120 |
| 1653 Copper | 0.64 | mg/kg | Batch: 993481850001 1.23 J mg/kg | 0 | 102 | | | 107 | | | 80 | 120 |
| 1655 Lead | 4.0 | mg/kg | Batch: 993481850001 N.D. | 0 (1) | 89 | | | 82 | | | 80 | 120 |
| 1666 Silver | 0.46 | mg/kg | Batch: 993481850001 N.D. | 0 (1) | 91 | | | 88 | | | 58 | 105 |
| 1672 Zinc | 3.6 | mg/kg | Batch: 993481850001 N.D. | 0 (1) | 84 | | | 82 | | | 80 | 120 |
| 0159 Mercury | 0.0025 | mg/kg | Batch: 993515711004 N.D. | 0 (1) | 95 | | | 104 | | | 80 | 120 |
| 1145 Arsenic (furnace method) | 0.47 | mg/kg | Batch: 993481015002 N.D. | 0 (1) | 76 | | | 84 | | | 80 | 120 |
| 1164 Selenium (furnace method) | 1.3 | mg/kg | Batch: 993481015002 1.4 J mg/kg | 0 (1) | 142 | | | 111 | | | 80 | 120 |
| 0174 PCBs in Oil | | | Batch: 993470016A | | | | | | | | | |
| 4815 PCB-1016 | 500. | ug/kg | N.D. | | | | | 131 | 132 | 1 | 48 | 150 |
| 4816 PCB-1221 | 500. | ug/kg | N.D. | | | | | | | | | |
| 4817 PCB-1232 | 500. | ug/kg | N.D. | | | | | | | | | |
| 4818 PCB-1242 | 500. | ug/kg | N.D. | | | | | | | | | |
| 4819 PCB-1248 | 500. | ug/kg | N.D. | | | | | | | | | |
| 4820 PCB-1254 | 500. | ug/kg | N.D. | | | | | | | | | |
| 4821 PCB-1260 | 500. | ug/kg | N.D. | | | | | | | | | |
| 1394 pH | 0.010 | | Batch: 993490239039400A | 0 | | | | 90 | 89 | 0 | 50 | 148 |
| 1430 Flash Point for Liquids | | Degrees F | Batch: 993480227043000A | | | | | 100 | 100 | 0 | 98 | 102 |
| | | | | | | | | 102 | 98 | 4 | 97 | 103 |

1) The result for one or both determinations was less than five times the LOQ.

MEMBER ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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See reverse side for explanation of symbols and abbreviations.

Analysis Repo

QUALITY CONTROL REPORT

Lancaster Laboratories
Where quality is a science.



**LLI Sample No. 3288901**
WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH

Group No. 695090
DaimlerChrysler Corporation

SURROGATE SUMMARY

| | TRIAL ID | SURROGATE | RECOVERY % | SURROGATE LIMITS LOW | HIGH |
|---|---|---|---|---|---|
| 0174 PCBs in Oil | | TCX | 100 | 36 | 144 |
| | | DCB | 78 | 55 | 108 |

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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# DAIMLERCHRYSLER Sewer Cleanout — Chain-of-Custody — 0660 B

| | | |
|---|---|---|
| Lancaster Laboratories<br>2425 New Holland Pike<br>Lancaster, PA 17601<br>Phone Number: (717) 656-2300<br>Fax Number: (717) 656-2681 | Project Name: Dayton Thermal Products<br>Site Location: Dayton Ohio<br>Site Code: SC001<br>RFA Number: YGQP9900277<br>DaimlerChrysler PM: Gary Stanczuk | Consultant: Leggette Brashears + Graham<br>Address: 1210 W. Cnty Rd E. Suite 700<br>St. Paul MN 55112<br>Consultant PM Ken Vogel<br>Phone: 651-490-1405 Fax: 651-490-1006 |

**Turn-around Time Request: (circle)**
24 calendar hrs.
48 calendar hrs.
7 calendar days
14 calendar days

**Data Package Deliverables: (circle)**
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

**Compound List-Parameter/Method/Bottle Type/Preservative**

**Matrix Codes**
S - Soil SW - Surface Water
GW - Groundwater A - Air
Sed. - Sediment
O - Other (specify) Oil Product / DI water
Are aqueous samples field filtered for metals? Yes No

| Field Sample Identification | Date Collected | Time Collected | Grab (G) or Composite (C) | Matrix Code | Total # of Containers | MI Metals by 6/7000 Series | TCL PCB's by 8082 | Ignitability | pH | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WL0007 | 12/9/99 | 1700 | G | O | 4 | X | X | X | X | | | | | | 4x40ml voa. Product from 50 sump |

Note:
See rfa 271-D for trip blank with this shipment.

Sampler(s): Mike Planto

Cooler ID # C01905

Samples Relinquished under Airbill No. 813874857603 Temperature (corrected) 3°C

| Relinquished by | Date | Time | Received by | Date | Time | Custody Seal Intact? |
|---|---|---|---|---|---|---|
| [signature] | 12/9/99 | 1900 | | | | Yes No |

| Is RFA sampling complete? | Relinquished by | Date | Time | Received for Laboratory by | Date | Time | Custody Seal Intact? |
|---|---|---|---|---|---|---|---|
| Yes No | | | | [signature] | 12/10/99 | 0940 | Yes No |

SDG-277-B

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow: Retained by laboratory Pink: Retained by sampler

Revision No. 3
Created: July 9, 1999

# Lancaster Laboratories
*Where quality is a science.*

JAN 14 2000



**LLI Sample No. G5 3288901**
Collected: 12/09/99 at 17:00 by MP

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900277

Submitted: 12/10/99 Reported: 12/29/99
Discard: 02/28/00

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| 1646 | Barium | 2.21 | J | 0.38 | mg/kg |
| 1649 | Cadmium | N.D. | | 0.40 | mg/kg |
| 1651 | Chromium | 3.9 | J | 1.6 | mg/kg |
| 1653 | Copper | 258. | | 0.64 | mg/kg |
| 1655 | Lead | 49. | | 4.0 | mg/kg |
| 1666 | Silver | 1.78 | J | 0.46 | mg/kg |
| 1672 | Zinc | 33. | | 3.6 | mg/kg |
| 0159 | Mercury | 0.0053 | J | 0.0025 | mg/kg |
| 1145 | Arsenic (furnace method) | 0.79 | J | 0.47 | mg/kg |
| | The quantitation limit for arsenic was increased due to the nature of the sample matrix. | | | | |
| 1164 | Selenium (furnace method) | N.D. | | 1.3 | mg/kg |
| | The quantitation limit for selenium was increased due to the nature of the sample matrix. | | | | |
| 0174 | PCBs in Oil | | | | See Page 2 |
| 0394 | pH | 5.69 | | 0.010 | |
| | The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min. | | | | |
| 0430 | Flash Point for Liquids | No Flash Observed | | | Degrees F |
| | No flash observed below 216F. Test flame extinguished at 196F. Flash point was determined using Pensky Martens closed cup apparatus. | | | | |

1 COPY TO Leggette, Brashears & Graham ATTN: Mr. Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300
09:23:39 D 0001 1 139743 695090
885 25.00 00047200 ASR000

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

MEMBER ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.

Lancaster Laboratories
Where quality is a science.



**LLI Sample No. G5 3288901**
Collected: 12/09/99 at 17:00 by MP

Submitted: 12/10/99 Reported: 12/29/99
Discard: 02/28/00

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton. OH
1TP01 SDG#: DCC78-04

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900277

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| PCBs in Oil | | | | |
| 4815 | PCB-1016 | N.D. | 500. | ug/kg |
| 4816 | PCB-1221 | N.D. | 500. | ug/kg |
| 4817 | PCB-1232 | N.D. | 500. | ug/kg |
| 4818 | PCB-1242 | N.D. | 500. | ug/kg |
| 4819 | PCB-1248 | N.D. | 500. | ug/kg |
| 4820 | PCB-1254 | N.D. | 500. | ug/kg |
| 4821 | PCB-1260 | N.D. | 500. | ug/kg |

Questions? Contact your Client Services Representative
Kathy Klimafelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

MEMBER ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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See reverse side for explanation of symbols and abbreviations.

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**LLI Sample No. G5 3288901**
Collected: 12/09/99 at 17:00 by MP

Submitted: 12/10/99

Account No: 10160
DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO | ANALYSIS NAME | METHOD | TRIAL | ANALYSIS ID | DATE AND TIME | ANALYST |
|---|---|---|---|---|---|---|
| 1646 | Barium | SW-846 6010B | 1 | | 12/16/99 0535 | Brenda A. Weaver |
| 1649 | Cadmium | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1651 | Chromium | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1653 | Copper | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1655 | Lead | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1666 | Silver | SW-846 6010B | 1 | | 12/15/99 2338 | Donna R. Sackett |
| 1672 | Zinc | SW-846 6010B | 1 | | 12/15/99 2338 | Donna R. Sackett |
| 1850 | Oil Metals Digestion | SW-846 3050 modified | 1 | | 12/14/99 2330 | Annamaria Stipkovits |
| 0159 | Mercury | SW-846 7471A | 1 | | 12/19/99 1627 | Nelli S. Markaryan |
| 1015 | Oil Metals Digestion | SW-846 3050A modified | 1 | | 12/14/99 2130 | Annamaria Stipkovits |
| 1145 | Arsenic (furnace method) | SW-846 7060A | 1 | | 12/23/99 1523 | Erika J. Miller |
| 1164 | Selenium (furnace method) | SW-846 7740 | 1 | | 12/28/99 2109 | Heidi L. Ortenzi |
| 5711 | SW SW846 Hg Digest | SW-846 7471A modified | 1 | | 12/17/99 2315 | Annamaria Stipkovits |
| 0174 | PCBs in Oil | SW-846 8082 | 1 | | 12/16/99 0843 | Rick Shober |
| 0815 | Oil Sample PCB's Cleanup Ext. | SW-846 3580A | 1 | | 12/14/99 0815 | Jacqueline Fellenbaum |
| 0394 | pH | SW-846 9045C (modified) | 1 | | 11/15/99 2030 | Luz M. Groff |
| 0430 | Flash Point for Liquids | ASTM D 93-90 | 1 | | 12/14/99 1025 | Susan A. Engle |



JAN-14-00 FRI 09:46 LEGGETTE BRASHEARS GRAHM FAX NO. 6514901006 P.03

Lancaster Laboratories
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**LLI Sample No. 3288901**
WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH

Group No. 695090
DaimlerChrysler Corporation

| SAMPLE MDL | SAMPLE UNITS | BLANK | DUP RPD | MS | MSD | MS RPD | LCS | LCS DUP | LCS RPD | LCS LIMITS LOW | LCS LIMITS HIGH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1646 Barium | | Batch: 993481850001 | | | | | | | | | |
| 0.38 | mg/kg | N.D. | 0 (1) | 111 | | | 114 | | | 80 | 120 |
| 1649 Cadmium | | Batch: 993481850001 | | | | | | | | | |
| 0.40 | mg/kg | N.D. | 0 (1) | 92 | | | 92 | | | 80 | 120 |
| 1651 Chromium | | Batch: 993481850001 | | | | | | | | | |
| 1.6 | mg/kg | N.D. | 0 (1) | 102 | | | 103 | | | 80 | 120 |
| 1653 Copper | | Batch: 993481850001 | | | | | | | | | |
| 0.64 | mg/kg | 1.23 J mg/kg | 0 | 102 | | | 107 | | | 80 | 120 |
| 1655 Lead | | Batch: 993481850001 | | | | | | | | | |
| 4.0 | mg/kg | N.D. | 0 (1) | 89 | | | 82 | | | 80 | 120 |
| 1666 Silver | | Batch: 993481850001 | | | | | | | | | |
| 0.46 | mg/kg | N.D. | 0 (1) | 91 | | | 88 | | | 58 | 105 |
| 1672 Zinc | | Batch: 993481850001 | | | | | | | | | |
| 3.6 | mg/kg | N.D. | 0 (1) | 84 | | | 82 | | | 80 | 120 |
| 0159 Mercury | | Batch: 993515711004 | | | | | | | | | |
| 0.0025 | mg/kg | N.D. | 0 (1) | 95 | | | 104 | | | 80 | 120 |
| 1145 Arsenic (furnace method) | | Batch: 993481015002 | | | | | | | | | |
| 0.47 | mg/kg | N.D. | 0 (1) | 76 | | | 84 | | | 80 | 120 |
| 1164 Selenium (furnace method) | | Batch: 993481015002 | | | | | | | | | |
| 1.3 | mg/kg | 1.4 J mg/kg | 0 (1) | 142 | | | 111 | | | 80 | 120 |
| 0174 PCBs in Oil | | Batch: 993470016A | | | | | | | | | |
| 4815 PCB-1016 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | 131 | 132 | 1 | 48 | 150 |
| 4816 PCB-1221 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4817 PCB-1232 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4818 PCB-1242 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4819 PCB-1248 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4820 PCB-1254 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4821 PCB-1260 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | 90 | 89 | 0 | 50 | 148 |
| )394 pH | | Batch: 993490239039400A | | | | | | | | | |
| 0.010 | | | 0 | | | | 100 | 100 | 0 | 98 | 102 |
| )430 Flash Point for Liquids | | Batch: 993480227043000A | | | | | | | | | |
| | Degrees F | | | | | | 102 | 98 | 4 | 97 | 103 |

1) The result for one or both determinations was less than five times the LOQ.



JAN-14-00 FRI 09:47 LEGGETTE BRASHEARS GRAHM FAX NO. 6514901006 P.04

Lancaster Laboratories
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**LLI Sample No. 3288901**
WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton. OH

Group No. 695090
DaimlerChrysler Corporation

SURROGATE SUMMARY

| | TRIAL ID | SURROGATE | RECOVERY % | SURROGATE LIMITS LOW | HIGH |
|---|---|---|---|---|---|
| 0174 PCBs in Oil | | TCX | 100 | 36 | 144 |
| | | DCB | 78 | 55 | 108 |



JAN-14-00 FRI 09:47 LEGGETTE BRASHEARS GRAHM FAX NO. 6514901006 P. 05

# DAIMLERCHRYSLER Sewer Cleanout — Chain-of-Custody — 0660 B

| | | |
|---|---|---|
| Lancaster Laboratories<br>2425 New Holland Pike<br>Lancaster, PA 17601<br>Phone Number: (717) 656-2300<br>Fax Number: (717) 656-2681 | Project Name: Dayton Thermal Products<br>Site Location: Dayton Ohio<br>Site Code: SC001<br>RFA Number: YGQP9900277<br>DaimlerChrysler PM: Gary Stanczuk | Consultant: Leggette Brashears + Graham<br>Address: 1210 W. Cnty Rd E. Suite 700<br>St. Paul MN 55112<br>Consultant PM: Ken Vogel<br>Phone: 651-490-1405 Fax: 651-490-1006 |

**Turn-around Time Request: (circle)**
24 calendar hrs.
48 calendar hrs.
7 calendar days
14 calendar days

**Data Package Deliverables: (circle)**
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

**Compound List/Parameter/Method/Bottle Type/Preservative**

**Matrix Codes**
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed - Sediment; O - Other (specify) Oil Product / DI water

Are aqueous samples field filtered for metals? Yes No

| Field Sample Identification | Date Collected | Time Collected | Grab (G) Comp Composite (C) | Matrix Code | Total # of Containers | MI metals by 6/7000 Series | TCL PCB's by 8082 | Ignitab. l.dg | pH | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WL0007 | 12/9/99 | 1700 | G | O | 4 | X | X | X | X | | | | | | 4x40ml voa. Product from 50 sump |

Note:
See rfa 271-D for trip blank with this shipment.

Sampler(s): Mike Plante

Cooler ID #: C01905

Samples Relinquished under Airbill No.: 813874857603

Temperature (corrected): 3.0

| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Custody Seal Intact? |
|---|---|---|---|---|---|---|
| [signature] | 12/9/99 | 1900 | | | | Yes No |

Is RFA sampling complete? Yes No

| Relinquished by: | Date: | Time: | Received for Laboratory by: | Date: | Time: | Custody Seal Intact? |
|---|---|---|---|---|---|---|
| | | | [signature] | 12/10/99 | 0940 | Yes No |

SDG-277-B

*DaimlerChrysler Corporation 800 Chrysler Drive, CTMS 482-00-51, Auburn Hills, Michigan 48326-2757*

Distribution: White copy: Data package Yellow: Retained by laboratory Pink: Retained by sampler

Revision No. 3
Created: July 9, 1999

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Where quality is a science.

# FAX Cover Page

Pages 3

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**2425 New Holland Pike**
**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Mr. Ken Vogel

**Company:** DAIMLERCHRYSLER CORPORATIO

**Fax:** 16514901006

**From:** Kathy Klinefeller Ext 1566

**Message:**

Dayton
272
WL0012
Pest
PCB

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WU3308658 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/16/00

WL0012 Grab Water Sample
Site Code: SC001 RFA# YG9P9900272
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0937 | TCL Pesticides in Waters | | | |

The beta-BHC recovery is outside the QC limits for the LCSD and the endrin ketone recovery is outside the QC limits for the LCS. These recoveries are high. A reextraction would be outside the method hold time.
==========

| | | | | |
|---|---|---|---|---|
| 1600 | Alpha BHC | N.D. | 0.0019 | ug/l |
| 1601 | Beta BHC | 0.0063 J | 0.0019 | ug/l |
| 1603 | Delta BHC | N.D. | 0.0055 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.0019 | ug/l |
| 1604 | Heptachlor | N.D. | 0.0019 | ug/l |
| 1605 | Aldrin | N.D. | 0.0019 | ug/l |
| 1606 | Heptachlor Epoxide | 0.0064 J | 0.0019 | ug/l |
| 1616 | Endosulfan I | 0.321 | 0.019 | ug/l |
| 1610 | Dieldrin | N.D. | 0.0038 | ug/l |
| 1607 | DDE | N.D. | 0.0038 | ug/l |
| 1611 | Endrin | N.D. | 0.0038 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.0038 | ug/l |
| 1608 | DDD | N.D. | 0.0038 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 0.0038 | ug/l |
| 1609 | DDT | 0.0173 J | 0.0038 | ug/l |
| 0938 | Endrin Ketone | N.D. | 0.0038 | ug/l |
| 1360 | Methoxychlor | N.D. | 0.019 | ug/l |
| 1361 | Alpha Chlordane | N.D. | 0.0019 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 0.0019 | ug/l |
| 1613 | Toxaphene | N.D. | 0.29 | ug/l |
| 1618 | Endrin Aldehyde | N.D. | 0.0038 | ug/l |
| 1619 | PCB-1016 | N.D. | 0.095 | ug/l |
| 1620 | PCB-1221 | N.D. | 0.095 | ug/l |
| 1621 | PCB-1232 | N.D. | 0.095 | ug/l |
| 1622 | PCB-1242 | N.D. | 0.095 | ug/l |
| 1623 | PCB-1248 | N.D. | 0.095 | ug/l |
| 1624 | PCB-1254 | N.D. | 0.095 | ug/l |
| 1626 | PCB-1260 | N.D. | 0.095 | ug/l |

==========



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3308658 Account: 10160 DAIMLERCHRYSLER CORPORATION

Sample Number: WW3308659 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/17/00

Trip Blank Water Sample
Site Code: SC001 RFA# YGQP99D0272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3308660 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 01/18/00 Date Reported: NOT REP
Date Collected: 01/18/00

Water Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGQP99D0272
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Lancaster Laboratories
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JAN 14 2000



**LLI Sample No. G5 3288901**
Collected: 12/09/99 at 17:00 by MP

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900277

Submitted: 12/10/99 Reported: 12/29/99
Discard: 02/28/00

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| 1646 | Barium | 2.21 | J | 0.38 | mg/kg |
| 1649 | Cadmium | N.D. | | 0.40 | mg/kg |
| 1651 | Chromium | 3.9 | J | 1.6 | mg/kg |
| 1653 | Copper | 258. | | 0.64 | mg/kg |
| 1655 | Lead | 49. | | 4.0 | mg/kg |
| 1666 | Silver | 1.78 | J | 0.46 | mg/kg |
| 1672 | Zinc | 33. | | 3.6 | mg/kg |
| 0159 | Mercury | 0.0053 | J | 0.0025 | mg/kg |
| 1145 | Arsenic (furnace method) | 0.79 | J | 0.47 | mg/kg |
| | The quantitation limit for arsenic was increased due to the nature of the sample matrix. | | | | |
| 1164 | Selenium (furnace method) | N.D. | | 1.3 | mg/kg |
| | The quantitation limit for selenium was increased due to the nature of the sample matrix. | | | | |
| 0174 | PCBs in Oil | | | | See Page 2 |
| 0394 | pH | 5.69 | | 0.010 | |
| | The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min. | | | | |
| 0430 | Flash Point for Liquids | No Flash Observed | | | Degrees F |
| | No flash observed below 216F. Test flame extinguished at 196F. Flash point was determined using Pensky Martens closed cup apparatus. | | | | |

1 COPY TO Leggette, Brashears & Graham ATTN: Mr. Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300
09:23:39 D 0001 1 139743 695090
885 25.00 00047200 ASR000

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

MEMBER ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Where quality is a science.



LLI Sample No. G5 3288901
Collected: 12/09/99 at 17:00 by MP

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900277

Submitted: 12/10/99 Reported: 12/29/99
Discard: 02/28/00

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| PCBs in Oil | | | | |
| 4815 | PCB-1016 | N.D. | 500. | ug/kg |
| 4816 | PCB-1221 | N.D. | 500. | ug/kg |
| 4817 | PCB-1232 | N.D. | 500. | ug/kg |
| 4818 | PCB-1242 | N.D. | 500. | ug/kg |
| 4819 | PCB-1248 | N.D. | 500. | ug/kg |
| 4820 | PCB-1254 | N.D. | 500. | ug/kg |
| 4821 | PCB-1260 | N.D. | 500. | ug/kg |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

MEMBER ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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**LLI Sample No. G5 3288901**
Collected: 12/09/99 at 17:00 by MP

Submitted: 12/10/99

Account No: 10160
DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO | ANALYSIS NAME | METHOD | TRIAL | ANALYSIS ID | DATE AND TIME | ANALYST |
|---|---|---|---|---|---|---|
| 1646 | Barium | SW-846 6010B | 1 | | 12/16/99 0535 | Brenda A. Weaver |
| 1649 | Cadmium | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1651 | Chromium | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1653 | Copper | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1655 | Lead | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1666 | Silver | SW-846 6010B | 1 | | 12/15/99 2338 | Donna R. Sackett |
| 1672 | Zinc | SW-846 6010B | 1 | | 12/15/99 2338 | Donna R. Sackett |
| 1850 | Oil Metals Digestion | SW-846 3050 modified | 1 | | 12/14/99 2330 | Annamaria Stipkovits |
| 0159 | Mercury | SW-846 7471A | 1 | | 12/19/99 1627 | Nelli S. Markaryan |
| 1015 | Oil Metals Digestion | SW-846 3050A modified | 1 | | 12/14/99 2130 | Annamaria Stipkovits |
| 1145 | Arsenic (furnace method) | SW-846 7060A | 1 | | 12/23/99 1523 | Erika J. Miller |
| 1164 | Selenium (furnace method) | SW-846 7740 | 1 | | 12/28/99 2109 | Heidi L. Ortenzi |
| 5711 | SW SW846 Hg Digest | SW-846 7471A modified | 1 | | 12/17/99 2315 | Annamaria Stipkovits |
| 0174 | PCBs in Oil | SW-846 8082 | 1 | | 12/16/99 0843 | Rick Shober |
| 0815 | Oil Sample PCB's Cleanup Ext. | SW-846 3580A | 1 | | 12/14/99 0815 | Jacqueline Fellenbaum |
| 0394 | pH | SW-846 9045C (modified) | 1 | | 11/15/99 2030 | Luz M. Groff |
| 0430 | Flash Point for Liquids | ASTM D 93-90 | 1 | | 12/14/99 1025 | Susan A. Engle |

Lancaster Laboratories
*Where quality is a science.*



**LLI Sample No. 3288901**
WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH

Group No. 695090
DaimlerChrysler Corporation

| | SAMPLE MDL | SAMPLE UNITS | BLANK | DUP RPD | MS | MSD | MS RPD | LCS | LCS DUP | LCS RPD | LCS LIMITS LOW | LCS LIMITS HIGH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1646 Barium | | | Batch: 993481850001 | | | | | | | | | |
| | 0.38 | mg/kg | N.D. | 0 (1) | 111 | | | 114 | | | 80 | 120 |
| 1649 Cadmium | | | Batch: 993481850001 | | | | | | | | | |
| | 0.40 | mg/kg | N.D. | 0 (1) | 92 | | | 92 | | | 80 | 120 |
| 1651 Chromium | | | Batch: 993481850001 | | | | | | | | | |
| | 1.6 | mg/kg | N.D. | 0 (1) | 102 | | | 103 | | | 80 | 120 |
| 1653 Copper | | | Batch: 993481850001 | | | | | | | | | |
| | 0.64 | mg/kg | 1.23 J mg/kg | 0 | 102 | | | 107 | | | 80 | 120 |
| 1655 Lead | | | Batch: 993481850001 | | | | | | | | | |
| | 4.0 | mg/kg | N.D. | 0 (1) | 89 | | | 82 | | | 80 | 120 |
| 1666 Silver | | | Batch: 993481850001 | | | | | | | | | |
| | 0.46 | mg/kg | N.D. | 0 (1) | 91 | | | 88 | | | 58 | 105 |
| 1672 Zinc | | | Batch: 993481850001 | | | | | | | | | |
| | 3.6 | mg/kg | N.D. | 0 (1) | 84 | | | 82 | | | 80 | 120 |
| 0159 Mercury | | | Batch: 993515711004 | | | | | | | | | |
| | 0.0025 | mg/kg | N.D. | 0 (1) | 95 | | | 104 | | | 80 | 120 |
| 1145 Arsenic (furnace method) | | | Batch: 993481015002 | | | | | | | | | |
| | 0.47 | mg/kg | N.D. | 0 (1) | 76 | | | 84 | | | 80 | 120 |
| 1164 Selenium (furnace method) | | | Batch: 993481015002 | | | | | | | | | |
| | 1.3 | mg/kg | 1.4 J mg/kg | 0 (1) | 142 | | | 111 | | | 80 | 120 |
| 0174 PCBs in Oil | | | Batch: 993470016A | | | | | | | | | |
| 4815 PCB-1016 | | | | | | | | | | | | |
| | 500. | ug/kg | N.D. | | | | | 131 | 132 | 1 | 48 | 150 |
| 4816 PCB-1221 | | | | | | | | | | | | |
| | 500. | ug/kg | N.D. | | | | | | | | | |
| 4817 PCB-1232 | | | | | | | | | | | | |
| | 500. | ug/kg | N.D. | | | | | | | | | |
| 4818 PCB-1242 | | | | | | | | | | | | |
| | 500. | ug/kg | N.D. | | | | | | | | | |
| 4819 PCB-1248 | | | | | | | | | | | | |
| | 500. | ug/kg | N.D. | | | | | | | | | |
| 4820 PCB-1254 | | | | | | | | | | | | |
| | 500. | ug/kg | N.D. | | | | | | | | | |
| 4821 PCB-1260 | | | | | | | | | | | | |
| | 500. | ug/kg | N.D. | | | | | 90 | 89 | 0 | 50 | 148 |
| 0394 pH | | | Batch: 993490239039400A | | | | | | | | | |
| | 0.010 | | | 0 | | | | 100 | 100 | 0 | 98 | 102 |
| 0430 Flash Point for Liquids | | | Batch: 993480227043000A | | | | | | | | | |
| | | Degrees F | | | | | | 102 | 98 | 4 | 97 | 103 |

(1) The result for one or both determinations was less than five times the LOQ.

Lancaster Laboratories
*Where quality is a science.*



**LLI Sample No. 3288901**
WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH

Group No. 695090
DaimlerChrysler Corporation

SURROGATE SUMMARY

| | TRIAL ID | SURROGATE | RECOVERY % | SURROGATE LIMITS LOW | HIGH |
|---|---|---|---|---|---|
| 0174 PCBs in Oil | | TCX | 100 | 36 | 144 |
| | | DCB | 78 | 55 | 108 |

Unit 10160 # 3288401

# DAIMLERCHRYSLER Sewer Cleanout — Chain-of-Custody

0660 B

| | | |
|---|---|---|
| Lancaster Laboratories<br>2425 New Holland Pike<br>Lancaster, PA 17601<br>Phone Number: (717) 656-2300<br>Fax Number: (717) 656-2681 | Project Name: Dayton Thermal Products<br>Site Location: Dayton Ohio<br>Site Code: SC001<br>RFA Number: YGQP9900277<br>DaimlerChrysler PM: Gary Stanczuk | Consultant: Leggette Brashears + Graham<br>Address: 1210 W. Cnty Rd E. Suite 700<br>St. Paul MN 55112<br>Consultant PM: Ken Vogel<br>Phone: 651-490-1405 Fax: 651-490-1006 |

**Turn-around Time Request: (circle)**
24 calendar hrs.
48 calendar hrs.
7 calendar days
14 calendar days

**Data Package Deliverables: (circle)**
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

**Matrix Codes**
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify) Oil Product / DI water

*Are aqueous samples field filtered for metals? Yes No*

| Field Sample Identification | Date Collected | Time Collected | Grab (G) or Composite (C) | Matrix Code | Total # of Containers | MI Metals by 6/7000 Series | TCL PCB's by 8082 | Ignitab. liq | pH | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WL0007 | 12/9/99 | 1700 | G | O | 4 | X | X | X | X | | | | | | 4x40ml voa. Product from 50 sump |

Note:
See rfa 271-D for trip blank with this shipment.

Sampler(s): Mike Plante

Cooler ID # C01905

Samples Relinquished under Airbill No. 813874857603

Temperature (corrected) 3.2°C

| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Custody Seal Intact? |
|---|---|---|---|---|---|---|
| [signature] | 12/9/99 | 1900 | | | | Yes No |

Is RFA sampling complete? Yes No

| Relinquished by: | Date: | Time: | Received for Laboratory by: | Date: | Time: | Custody Seal Intact? |
|---|---|---|---|---|---|---|
| | | | [signature] | 12/10/99 | 0940 | Yes No |

SDG-277-B

*DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757*

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

Revision No. 3
Created: July 9, 1999

Lancaster Laboratories
Where quality is a science.

JAN 14 2000



LLI Sample No. G5 3288901
Collected: 12/09/99 at 17:00 by MP

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900277

Submitted: 12/10/99 Reported: 12/29/99
Discard: 02/28/00

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| 1646 | Barium | 2.21 | J | 0.38 | mg/kg |
| 1649 | Cadmium | N.D. | | 0.40 | mg/kg |
| 1651 | Chromium | 3.9 | J | 1.6 | mg/kg |
| 1653 | Copper | 258. | | 0.64 | mg/kg |
| 1655 | Lead | 49. | | 4.0 | mg/kg |
| 1666 | Silver | 1.78 | J | 0.46 | mg/kg |
| 1672 | Zinc | 33. | | 3.6 | mg/kg |
| 0159 | Mercury | 0.0053 | J | 0.0025 | mg/kg |
| 1145 | Arsenic (furnace method) | 0.79 | J | 0.47 | mg/kg |
| | The quantitation limit for arsenic was increased due to the nature of the sample matrix. | | | | |
| 1164 | Selenium (furnace method) | N.D. | | 1.3 | mg/kg |
| | The quantitation limit for selenium was increased due to the nature of the sample matrix. | | | | |
| 0174 | PCBs in Oil | | | | See Page 2 |
| 0394 | pH | 5.69 | | 0.010 | |
| | The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min. | | | | |
| 0430 | Flash Point for Liquids | No Flash Observed | | | Degrees F |
| | No flash observed below 216F. Test flame extinguished at 196F. Flash point was determined using Pensky Martens closed cup apparatus. | | | | |

1 COPY TO Leggette, Brashears & Graham ATTN: Mr. Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300
09:23:39 D 0001 1 139743 695090
885 25.00 00047200 ASR000

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

MEMBER ASIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.

Lancaster Laboratories
Where quality is a science.



LLI Sample No. G5 3288901
Collected: 12/09/99 at 17:00 by MP

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900277

Submitted: 12/10/99 Reported: 12/29/99
Discard: 02/28/00

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| PCBs in Oil | | | | |
| 4815 | PCB-1016 | N.D. | 500. | ug/kg |
| 4816 | PCB-1221 | N.D. | 500. | ug/kg |
| 4817 | PCB-1232 | N.D. | 500. | ug/kg |
| 4818 | PCB-1242 | N.D. | 500. | ug/kg |
| 4819 | PCB-1248 | N.D. | 500. | ug/kg |
| 4820 | PCB-1254 | N.D. | 500. | ug/kg |
| 4821 | PCB-1260 | N.D. | 500. | ug/kg |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

Lancaster Laboratories
*Where quality is a science.*



**LLI Sample No. G5 3288901**
Collected: 12/09/99 at 17:00 by MP

Submitted: 12/10/99

Account No: 10160
DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH
1TP01 SDG#: DCC78-04

| CAT NO | ANALYSIS NAME | METHOD | TRIAL | ANALYSIS ID | DATE AND TIME | ANALYST |
|---|---|---|---|---|---|---|
| 1646 | Barium | SW-846 6010B | 1 | | 12/16/99 0535 | Brenda A. Weaver |
| 1649 | Cadmium | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1651 | Chromium | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1653 | Copper | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1655 | Lead | SW-846 6010B | 1 | | 12/15/99 1757 | Shannon L. Strausser |
| 1666 | Silver | SW-846 6010B | 1 | | 12/15/99 2338 | Donna R. Sackett |
| 1672 | Zinc | SW-846 6010B | 1 | | 12/15/99 2338 | Donna R. Sackett |
| 1850 | Oil Metals Digestion | SW-846 3050 modified | 1 | | 12/14/99 2330 | Annamaria Stipkovits |
| 0159 | Mercury | SW-846 7471A | 1 | | 12/19/99 1627 | Nelli S. Markaryan |
| 1015 | Oil Metals Digestion | SW-846 3050A modified | 1 | | 12/14/99 2130 | Annamaria Stipkovits |
| 1145 | Arsenic (furnace method) | SW-846 7060A | 1 | | 12/23/99 1523 | Erika J. Miller |
| 1164 | Selenium (furnace method) | SW-846 7740 | 1 | | 12/28/99 2109 | Heidi L. Ortenzi |
| 5711 | SW SW846 Hg Digest | SW-846 7471A modified | 1 | | 12/17/99 2315 | Annamaria Stipkovits |
| 0174 | PCBs in Oil | SW-846 8082 | 1 | | 12/16/99 0843 | Rick Shober |
| 0815 | Oil Sample PCB's Cleanup Ext. | SW-846 3580A | 1 | | 12/14/99 0815 | Jacqueline Fellenbaum |
| 0394 | pH | SW-846 9045C (modified) | 1 | | 11/15/99 2030 | Luz M. Groff |
| 0430 | Flash Point for Liquids | ASTM D 93-90 | 1 | | 12/14/99 1025 | Susan A. Engle |

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*Where quality is a science.*



**LLI Sample No. 3288901**
WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH

Group No. 695090
DaimlerChrysler Corporation

| SAMPLE MDL | SAMPLE UNITS | BLANK | DUP RPD | MS | MSD | MS RPD | LCS | LCS DUP | LCS RPD | LCS LIMITS LOW | LCS LIMITS HIGH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1646 Barium | | Batch: 993481850001 | | | | | | | | | |
| 0.38 | mg/kg | N.D. | 0 (1) | 111 | | | 114 | | | 80 | 120 |
| 1649 Cadmium | | Batch: 993481850001 | | | | | | | | | |
| 0.40 | mg/kg | N.D. | 0 (1) | 92 | | | 92 | | | 80 | 120 |
| 1651 Chromium | | Batch: 993481850001 | | | | | | | | | |
| 1.6 | mg/kg | N.D. | 0 (1) | 102 | | | 103 | | | 80 | 120 |
| 1653 Copper | | Batch: 993481850001 | | | | | | | | | |
| 0.64 | mg/kg | 1.23 J mg/kg | 0 | 102 | | | 107 | | | 80 | 120 |
| 1655 Lead | | Batch: 993481850001 | | | | | | | | | |
| 4.0 | mg/kg | N.D. | 0 (1) | 89 | | | 82 | | | 80 | 120 |
| 1666 Silver | | Batch: 993481850001 | | | | | | | | | |
| 0.46 | mg/kg | N.D. | 0 (1) | 91 | | | 88 | | | 58 | 105 |
| 1672 Zinc | | Batch: 993481850001 | | | | | | | | | |
| 3.6 | mg/kg | N.D. | 0 (1) | 84 | | | 82 | | | 80 | 120 |
| 0159 Mercury | | Batch: 993515711004 | | | | | | | | | |
| 0.0025 | mg/kg | N.D. | 0 (1) | 95 | | | 104 | | | 80 | 120 |
| 1145 Arsenic (furnace method) | | Batch: 993481015002 | | | | | | | | | |
| 0.47 | mg/kg | N.D. | 0 (1) | 76 | | | 84 | | | 80 | 120 |
| 1164 Selenium (furnace method) | | Batch: 993481015002 | | | | | | | | | |
| 1.3 | mg/kg | 1.4 J mg/kg | 0 (1) | 142 | | | 111 | | | 80 | 120 |
| 0174 PCBs in Oil | | Batch: 993470016A | | | | | | | | | |
| 4815 PCB-1016 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | 131 | 132 | 1 | 48 | 150 |
| 4816 PCB-1221 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4817 PCB-1232 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4818 PCB-1242 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4819 PCB-1248 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4820 PCB-1254 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | | | | | |
| 4821 PCB-1260 | | | | | | | | | | | |
| 500. | ug/kg | N.D. | | | | | 90 | 89 | 0 | 50 | 148 |
| 0394 pH | | Batch: 993490239039400A | | | | | | | | | |
| 0.010 | | | 0 | | | | 100 | 100 | 0 | 98 | 102 |
| 0430 Flash Point for Liquids | | Batch: 993480227043000A | | | | | | | | | |
| | Degrees F | | | | | | 102 | 98 | 4 | 97 | 103 |

(1) The result for one or both determinations was less than five times the LOQ.

Lancaster Laboratories
*Where quality is a science.*



**LLI Sample No. 3288901**
WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH

Group No. 695090
DaimlerChrysler Corporation

SURROGATE SUMMARY

| | TRIAL ID | SURROGATE | RECOVERY % | SURROGATE LIMITS LOW | HIGH |
|---|---|---|---|---|---|
| 0174 PCBs in Oil | | TCX | 100 | 36 | 144 |
| | | DCB | 78 | 55 | 108 |

Unit 10160 # 3288401

# DAIMLERCHRYSLER Sewer Cleanout — Chain-of-Custody — 0660 B

| | | |
|---|---|---|
| Lancaster Laboratories<br>2425 New Holland Pike<br>Lancaster, PA 17601<br>Phone Number: (717) 656-2300<br>Fax Number: (717) 656-2681 | Project Name: Dayton Thermal Products<br>Site Location: Dayton Ohio<br>Site Code: SC001<br>RFA Number: YGQP9900277<br>DaimlerChrysler PM: Gary Stanczuk | Consultant: Leggette Brashears + Graham<br>Address: 1210 W. Cnty Rd E. Suite 700<br>St. Paul MN 55112<br>Consultant PM Ken Vogel<br>Phone: 651-490-1405 Fax: 651-490-1006 |

**Turn-around Time Request: (circle)**
24 calendar hrs.
48 calendar hrs.
7 calendar days
14 calendar days

**Data Package Deliverables: (circle)**
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

**Compound List-Parameter/Method/Bottle Type/Preservative**

**Matrix Codes**
S - Soil SW - Surface Water
GW - Groundwater A - Air
Sed. - Sediment
O - Other (specify) Oil Product / DI water

*Are aqueous samples field filtered for metals? Yes No*

| Field Sample Identification | Date Collected | Time Collected | Grab (G) or Composite (C) | Matrix Code | Total # of Containers | MI Metals by 6/7000 Series | TCL PCB's by 8082 | Ignitability | pH | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WL0007 | 12/9/99 | 1700 | G | O | 4 | X | X | X | X | | | | | 4x40ml voa. Product from 50 sump |

Note:
See rfa 271-D for trip blank with this shipment.

| Sampler(s) | Cooler ID # C01905 | | | Samples Relinquished under Airbill No. 813874857603 | | | Temperature (corrected) 3.0°C |
|---|---|---|---|---|---|---|---|
| Mike Plante | Relinquished by: [signature] | Date: 12/9/99 | Time: 1900 | Received by: | Date: | Time: | Custody Seal Intact? Yes No |
| Is RFA sampling complete? Yes No | Relinquished by: | Date: | Time: | Received for Laboratory by: [signature] | Date: 12/10/99 | Time: 0940 | Custody Seal Intact? Yes No |

SDG-277-B

*DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757*

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

Revision No. 3
Created: July 9, 1999

12/7/99

FYI
TCLP

...harac...
...EPA hazardo...
...in Table 1 of this rule...
...s to the toxic contaminant cau...
...e hazardous.

**Table 1**
**Maximum Concentrations of Contaminant for the Toxicity Characteristic**

| Ohio EPA Haz. Waste Number | Contaminant | CAS[1] Number | Regulatory Level (mg/L) |
|---|---|---|---|
| D004 | Arsenic | 7440-38-2 | 5.0 |
| D005 | Barium | 7440-39-3 | 100.0 |
| D018 | Benzene | 71-43-2 | 0.5 |
| D006 | Cadmium | 7440-43-9 | 1.0 |
| D019 | Carbon Tetra-chloride | 56-23-5 | 0.5 |
| D020 | Chlordane | 57-74-9 | 0.03 |
| D021 | Chloro-benzene | 108-90-7 | 100.0 |
| D022 | Chloroform | 67-66-3 | 6.0 |
| D007 | Chromium | 7440-47-3 | 5.0 |
| D023 | O-Cresol | 95-48-7 | 200.0[3] |
| D024 | M-Cresol | 108-39-4 | 200.0[3] |
| D025 | P-Cresol | 106-44-5 | 200.0[3] |
| D026 | Cresol | | 200.0[3] |
| D016 | 2, 4-D | 94-75-7 | 10.0 |
| D027 | 1, 4- Dichloro-benzene | 106-46-7 | 7.5 |
| D028 | 1, 2- Dichloro-ethane | 107-06-2 | 0.5 |
| D029 | 1, 1- Dichloro-ethylene | 75-35-4 | 0.7 |
| D030 | 2, 4- Dinitro-toluene | 121-14-2 | 0.13[2] |
| D012 | Endrin | 72-20-8 | 0.02 |
| D031 | Heptachlor (and its epoxide) | 76-44-8 | 0.008 |
| D032 | Hexachloro-benzene | 118-74-1 | 0.13[2] |
| D033 | Hexachloro-butadiene | 87-68-3 | 0.5 |
| D034 | Hexachloro-ethane | 67-72-1 | 3.0 |
| D008 | Lead | 7439-92-1 | 5.0 |
| D013 | Lindane | 58-89-9 | 0.4 |
| D009 | Mercury | 7439-97-6 | 0.2 |
| D014 | Methoxychlor | 72-43-5 | 10.0 |
| D035 | Methyl ethyl ketone | 78-93-3 | 200.0 |
| D036 | Nitrobenzene | 98-95-3 | 2.0 |
| D037 | Pentrachloro-phenol | 87-86-5 | 100.0 |
| D038 | Pyridine | 110-86-1 | 5.0[2] |
| D010 | Selenium | 7782-49-2 | 1.0 |
| D011 | Silver | 7440-22-4 | 5.0 |
| D039 | Tetrachloro-ethylene | 127-18-4 | 0.7 |
| D015 | Toxaphene | 80 01-35-2 | 0.5 |
| D040 | Trichloro-ethylene | 79-01-6 | 0.5 |
| D041 | 2,4,5-Tri-chloro-phenol | 95-95-4 | 400.0 |
| D042 | 2,4,6-Tri-chloro-phenol | 88-06-2 | 2.0 |
| D017 | 2, 4, 5-TP (Silvex) | 93-72-1 | 1.0 |
| D043 | Vinyl chloride | 75-01-4 | 0.2 |

[1] Chemical abstracts service numb...
[2] Quantitation limit is greate... latory level. The qua... the regulatory...
[3] If O...

Payton RFI 2/1/1 Samples WL49011 and WL49009

ERD TC3278406

| ID | DATESAMP | ANLYZD | RECVD | # DAYS TO ANALYZE | PARAMETER | RESULT | QUA | UNITS | METHOD |
|---|---|---|---|---|---|---|---|---|---|
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | pH | 7.4 | | | EPA 150.1 |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Mercury | 0.0001 | U | MG/L | SW-846 7470A |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Flash Point for Liquic | No Flash Obs | | DEGRE | ASTM D 93-90 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Endrin Ketone | 0.0038 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Alpha Chlordane | 0.0019 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Gamma Chlordane | 0.0019 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Alpha BHC | 0.0095 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Beta BHC | 0.0019 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Gamma BHC - Linda | 0.0019 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Delta BHC | 0.02 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Heptachlor | 0.0095 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Aldrin | 0.0019 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Heptachlor Epoxide | 0.0095 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | DDE | 0.0038 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | DDD | 0.0038 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | DDT | 0.1 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Dieldrin | 0.0038 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Endrin | 0.03 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Toxaphene | 0.29 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Endosulfan II | 0.0038 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Endosulfan I | 0.2 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Endosulfan Sulfate | 0.0038 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Endrin Aldehyde | 0.019 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | PCB-1016 | 0.095 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | PCB-1221 | 0.095 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | PCB-1232 | 0.095 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | PCB-1242 | 0.095 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | PCB-1248 | 0.095 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | PCB-1254 | 0.92 | | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | PCB-1260 | 0.095 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 12/02/1999 | 11/23/1999 | 9 | Methoxychlor | 0.019 | U | UG/L | SW-846 8081A/8082 |
| WL49011 | 11/22/1999 | 11/30/1999 | 11/23/1999 | 7 | Sulfide (Reactivity) | 39 | U | MG/KG | SW-846 9034 |
| WL49011 | 11/22/1999 | 12/01/1999 | 11/23/1999 | 8 | Cyanide (Reactivity) | 100 | U | MG/KG | SW-846 9012 |
| WL49011 | 11/22/1999 | 11/27/1999 | 11/23/1999 | 4 | 2,4-D | 0.096 | U | UG/L | SW-846 8151A |
| WL49011 | 11/22/1999 | 11/27/1999 | 11/23/1999 | 4 | 2,4,5-TP | 0.0126 | J | UG/L | SW-846 8151A |
| WL49011 | 11/22/1999 | 11/27/1999 | 11/23/1999 | 4 | Dinoseb | 0.145 | J | UG/L | SW-846 8151A |
| WL49011 | 11/22/1999 | 11/27/1999 | 11/23/1999 | 4 | 2,4,5-T | 0.0447 | J | UG/L | SW-846 8151A |
| WL49011 | 11/22/1999 | 11/30/1999 | 11/23/1999 | 7 | Chromium | 0.06 | | MG/L | SW-846 6010B |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 4-Chloroaniline | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2-Methylnaphthalene | 2 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2,4,5-Trichloropheno | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2-Chlorophenol | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Phenol | 2 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2-Nitrophenol | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2,4-Dimethylphenol | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2,4-Dichlorophenol | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 4-Chloro-3-methylph | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2,4,6-Trichloropheno | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | bis(2-Chloroethyl)eth | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 1,3-Dichlorobenzene | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 1,4-Dichlorobenzene | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 1,2-Dichlorobenzene | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Hexachloroethane | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | N-Nitroso-di-n-propyl | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Nitrobenzene | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Isophorone | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | bis(2-Chloroethoxy)m | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 1,2,4-Trichlorobenzei | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Naphthalene | 1 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Hexachlorobutadiene | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Hexachlorocyclopent | 5 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2-Chloronaphthalene | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Acenaphthylene | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Dimethylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2-Methylphenol | 1 | U | UG/L | SW-846 8270C |

Pest/PCBs

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|---|---|---|---|---|---|---|---|---|---|
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2,2'-oxybis(1-Chlorop | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 4-Methylphenol | 3 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Dibenzofuran | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 3-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 4-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2,4-Dinitrophenol | 19 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 4-Nitrophenol | 10 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 4,6-Dinitro-2-methylp | 5 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Pentachlorophenol | 3 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2,6-Dinitrotoluene | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Acenaphthene | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 2,4-Dinitrotoluene | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Fluorene | 1 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 4-Chlorophenyl-phen | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Diethylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | N-Nitrosodiphenylam | 1 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 4-Bromophenyl-phen | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Hexachlorobenzene | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Phenanthrene | 7 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Anthracene | 2 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Di-n-butylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Fluoranthene | 11 | | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Pyrene | 10 | | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Butylbenzylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Benzo(a)anthracene | 6 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Chrysene | 7 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | 3,3'-Dichlorobenzidin | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | bis(2-Ethylhexyl)phth | 2 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Di-n-octylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Benzo(b)fluoranthene | 9 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Benzo(k)fluoranthene | 4 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Benzo(a)pyrene | 6 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Indeno(1,2,3-cd)pyre | 5 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Dibenz(a,h)anthracer | 1 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Benzo(g,h,i)perylene | 4 | J | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Carbazole | 3 | U | UG/L | SW-846 8270C |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Chloromethane | 3 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Vinyl Chloride | 2 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Bromomethane | 3 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Chloroethane | 3 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1-Dichloroethene | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Methylene Chloride | 2 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | trans-1,2-Dichloroeth | 2 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1-Dichloroethane | 14 | | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | cis-1,2-Dichloroether | 5 | | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Chloroform | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1,1-Trichloroethane | 3 | J | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Carbon Tetrachloride | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Benzene | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,2-Dichloroethane | 2 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Trichloroethene | 6 | | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,2-Dichloropropane | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Bromodichlorometha | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Toluene | 6 | | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1,2-Trichloroethane | 2 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Tetrachloroethene | 25 | | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Dibromochlorometha | 2 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Chlorobenzene | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Ethylbenzene | 2 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Styrene | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Bromoform | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1,2,2-Tetrachloroet | 2 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Acetone | 10 | J | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Carbon Disulfide | 3 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 2-Butanone | 5 | J | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | trans-1,3-Dichloropro | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | cis-1,3-Dichloroprope | 1 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 4-Methyl-2-pentanon | 5 | U | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 2-Hexanone | 7 | U | UG/L | SW-846 8260B |

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|---|---|---|---|---|---|---|---|---|---|
| WL49011 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Xylene (Total) | 11 | | UG/L | SW-846 8260B |
| WL49011 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Arsenic TR | 0.005 | U | MG/L | SW-846 6010B |
| WL49011 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Selenium TR | 0.005 | J | MG/L | SW-846 6010B |
| WL49011 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Barium TR | 0.165 | | MG/L | SW-846 6010B |
| WL49011 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Cadmium TR | 0.0391 | | MG/L | SW-846 6010B |
| WL49011 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Copper TR | 0.0413 | | MG/L | SW-846 6010B |
| WL49011 | 11/22/1999 | 11/30/1999 | 11/23/1999 | 7 | Lead TR | 0.428 | | MG/L | SW-846 6010B |
| WL49011 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Silver TR | 0.0032 | J | MG/L | SW-846 6010B |
| WL49011 | 11/22/1999 | 11/30/1999 | 11/23/1999 | 7 | Zinc TR | 45.2 | | MG/L | SW-846 6010B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | pH | 7.71 | | | EPA 150.1 |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Mercury | 0.0004 | | MG/L | SW-846 7470A |
| WL0004 | 11/22/1999 | 11/24/1999 | 11/23/1999 | 1 | Flash Point for Liquic | No Flash Obs | | DEGRE | ASTM D 93-90 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Endrin Ketone | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Alpha Chlordane | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Gamma Chlordane | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Alpha BHC | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Beta BHC | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Gamma BHC - Linda | 0.19 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Delta BHC | 0.19 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Heptachlor | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Aldrin | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Heptachlor Epoxide | 0.19 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | DDE | 0.076 | U | UG/L | SW-846 8081A/8082 Pest/PCBs |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | DDD | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | DDT | 4 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Dieldrin | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Endrin | 5.24 | | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Toxaphene | 5.7 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Endosulfan II | 0.38 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Endosulfan I | 0.19 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Endosulfan Sulfate | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Endrin Aldehyde | 0.38 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | PCB-1016 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | PCB-1221 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | PCB-1232 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | PCB-1242 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | PCB-1248 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | PCB-1254 | 32.9 | | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | PCB-1260 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 12/03/1999 | 11/23/1999 | 10 | Methoxychlor | 0.38 | U | UG/L | SW-846 8081A/8082 |
| WL0004 | 11/22/1999 | 11/30/1999 | 11/23/1999 | 7 | Sulfide (Reactivity) | 39 | U | MG/KG | SW-846 9034 |
| WL0004 | 11/22/1999 | 12/01/1999 | 11/23/1999 | 8 | Cyanide (Reactivity) | 100 | U | MG/KG | SW-846 9012 React |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,4-D | 9.5 | U | UG/L | SW-846 8151A |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,4,5-TP | 1 | U | UG/L | SW-846 8151A |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Dinoseb | 9 | J | UG/L | SW-846 8151A Herb |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,4,5-T | 1 | U | UG/L | SW-846 8151A |
| WL0004 | 11/22/1999 | 11/30/1999 | 11/23/1999 | 7 | Chromium | 0.131 | | MG/L | SW-846 6010B |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 4-Chloroaniline | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2-Methylnaphthalene | 1 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,4,5-Trichloropheno | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2-Chlorophenol | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Phenol | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2-Nitrophenol | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,4-Dimethylphenol | 2 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,4-Dichlorophenol | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 4-Chloro-3-methylph | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,4,6-Trichloropheno | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | bis(2-Chloroethyl)eth | 0.9 | U | UG/L | SW-846 8270C SVOCs |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 1,3-Dichlorobenzene | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 1,4-Dichlorobenzene | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 1,2-Dichlorobenzene | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Hexachloroethane | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | N-Nitroso-di-n-propyl | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Nitrobenzene | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Isophorone | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | bis(2-Chloroethoxy)m | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 1,2,4-Trichlorobenzei | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Naphthalene | 0.9 | U | UG/L | SW-846 8270C |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Hexachlorobutadiene | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Hexachlorocyclopent | 5 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2-Chloronaphthalene | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Acenaphthylene | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Dimethylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2-Methylphenol | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,2'-oxybis(1-Chlorop | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 4-Methylphenol | 3 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Dibenzofuran | 2 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 3-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 4-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,4-Dinitrophenol | 19 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 4-Nitrophenol | 9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 4,6-Dinitro-2-methylp | 5 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Pentachlorophenol | 3 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,6-Dinitrotoluene | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Acenaphthene | 3 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 2,4-Dinitrotoluene | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Fluorene | 4 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 4-Chlorophenyl-phen | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Diethylphthalate | 15 | | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | N-Nitrosodiphenylam | 0.9 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 4-Bromophenyl-phen | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Hexachlorobenzene | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Phenanthrene | 25 | | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Anthracene | 3 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Di-n-butylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Fluoranthene | 20 | | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Pyrene | 15 | | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Butylbenzylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Benzo(a)anthracene | 5 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Chrysene | 8 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | 3,3'-Dichlorobenzidin | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | bis(2-Ethylhexyl)phth | 46 | | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Di-n-octylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Benzo(b)fluoranthene | 5 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Benzo(k)fluoranthene | 4 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Benzo(a)pyrene | 4 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Indeno(1,2,3-cd)pyre | 3 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Dibenz(a,h)anthracer | 1 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Benzo(g,h,i)perylene | 4 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Carbazole | 4 | J | UG/L | SW-846 8270C |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Chloromethane | 3 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Vinyl Chloride | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Bromomethane | 3 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Chloroethane | 3 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1-Dichloroethene | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Methylene Chloride | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | trans-1,2-Dichloroeth | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1-Dichloroethane | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | cis-1,2-Dichloroether | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Chloroform | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1,1-Trichloroethane | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Carbon Tetrachloride | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Benzene | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,2-Dichloroethane | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Trichloroethene | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,2-Dichloropropane | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Bromodichlorometha | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Toluene | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1,2-Trichloroethane | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Tetrachloroethene | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Dibromochlorometha | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Chlorobenzene | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Ethylbenzene | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Styrene | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Bromoform | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 1,1,2,2-Tetrachloroet | 2 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Acetone | 7 | J | UG/L | SW-846 8260B |

SVOC

VOC

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Carbon Disulfide | 3 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 2-Butanone | 3 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | trans-1,3-Dichloropro | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | cis-1,3-Dichloroprope | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 4-Methyl-2-pentanon | 5 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | 2-Hexanone | 7 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/26/1999 | 11/23/1999 | 3 | Xylene (Total) | 1 | U | UG/L | SW-846 8260B |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Arsenic TR | 0.005 | U | MG/L | SW-846 6010B |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Selenium TR | 0.0049 | J | MG/L | SW-846 6010B |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Barium TR | 0.225 | | MG/L | SW-846 6010B |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Cadmium TR | 0.007 | | MG/L | SW-846 6010B |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Copper TR | 0.181 | | MG/L | SW-846 6010B |
| WL0004 | 11/22/1999 | 11/30/1999 | 11/23/1999 | 7 | Lead TR | 0.14 | | MG/L | SW-846 6010B |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Silver TR | 0.0029 | J | MG/L | SW-846 6010B |
| WL0004 | 11/22/1999 | 11/29/1999 | 11/23/1999 | 6 | Zinc TR | 5.42 | | MG/L | SW-846 6010B |

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DEC 13 1999



**LLI Sample No. WW 3278406**
Collected: 11/22/99 at 10:44 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL49011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
49011 SDG#: DCC61-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | See Page 2 |
| 1751 | Chromium | 0.060 | 0.0098 | mg/l |
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | 0.0050 J | 0.0044 | mg/l |
| 7046 | Barium TR | 0.165 | 0.00049 | mg/l |
| 7049 | Cadmium TR | 0.0391 | 0.00081 | mg/l |
| 7053 | Copper TR | 0.0413 | 0.0029 | mg/l |
| 7055 | Lead TR | 0.428 | 0.0079 | mg/l |
| 7066 | Silver TR | 0.0032 J | 0.0017 | mg/l |
| 7072 | Zinc TR | 45.2 | 0.015 | mg/l |
| 0259 | Mercury | N.D. | 0.00010 | mg/l |
| 0937 | TCL Pesticides in Waters | | | See Page 3 |
| 1316 | AppendixIX Herbicides - Waters | | | See Page 4 |
| 4678 | TCL SW846 Semivolatiles/Waters | | | See Page 5 |
| 4679 | TCL SW846 Semivolatiles/Waters | | | See Page 6 |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 0200 | pH | 7.40 | 0.010 | |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |
| | No flash observed below 150F. Test flame extinguished at 95F. Flash point was determined using Pensky Martens closed cup apparatus. | | | |
| 0496 | Corrosivity | See Below | | See Below |
| | Corrosivity: The pH of the sample was 7.40 indicating that the waste is not corrosive. A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12.5. | | | |
| 1121 | Reactivity | See Below | | See Below |
| | Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide. | | | |
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |

1 COPY TO Leggette, Brashears & Graham ATTN: Mr. Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300
22:02:21 D 0001 4 139744 692779
320 0.00 00202400 ASR000

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

Lancaster Laboratories
*Where quality is a science.*



**LLI Sample No. WW 3278406**
Collected: 11/22/99 at 10:44 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL49011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
49011 SDG#: DCC61-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| TCL by 8260 (water) | | | | | |
| 5385 | Chloromethane | N.D. | | 3. | ug/l |
| 5387 | Bromomethane | N.D. | | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | | 2. | ug/l |
| 5388 | Chloroethane | N.D. | | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | | 2. | ug/l |
| 6302 | Acetone | 10. | J | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | 14. | | 2. | ug/l |
| 5396 | Chloroform | N.D. | | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | 5. | J | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | 3. | J | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | 6. | | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | | 7. | ug/l |
| 5409 | Tetrachloroethene | 25. | | 1. | ug/l |
| 5407 | Toluene | 6. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | 11. | | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | 5. | | 2. | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

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Where quality is a science.



**LLI Sample No. WW 3278406**
Collected: 11/22/99 at 10:44 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL49011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
49011 SDG#: DCC61-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| TCL Pesticides in Waters | | | | |
| 1600 | Alpha BHC | N.D. | 0.0095 | ug/l |
| 1601 | Beta BHC | N.D. | 0.0019 | ug/l |
| 1603 | Delta BHC | N.D. | 0.020 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.0019 | ug/l |
| 1604 | Heptachlor | N.D. | 0.0095 | ug/l |
| 1605 | Aldrin | N.D. | 0.0019 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | 0.0095 | ug/l |
| 1616 | Endosulfan I | N.D. | 0.20 | ug/l |
| 1610 | Dieldrin | N.D. | 0.0038 | ug/l |
| 1607 | DDE | N.D. | 0.0038 | ug/l |
| 1611 | Endrin | N.D. | 0.030 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.0038 | ug/l |
| 1608 | DDD | N.D. | 0.0038 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 0.0038 | ug/l |
| 1609 | DDT | N.D. | 0.10 | ug/l |
| 0938 | Endrin Ketone | N.D. | 0.0038 | ug/l |
| 1860 | Methoxychlor | N.D. | 0.019 | ug/l |
| 1361 | Alpha Chlordane | N.D. | 0.0019 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 0.0019 | ug/l |
| 1613 | Toxaphene | N.D. | 0.29 | ug/l |
| 1618 | Endrin Aldehyde | N.D. | 0.019 | ug/l |
| 1619 | PCB-1016 | N.D. | 0.095 | ug/l |
| 1620 | PCB-1221 | N.D. | 0.095 | ug/l |
| 1621 | PCB-1232 | N.D. | 0.095 | ug/l |
| 1622 | PCB-1242 | N.D. | 0.095 | ug/l |
| 1623 | PCB-1248 | N.D. | 0.095 | ug/l |
| 1624 | PCB-1254 | 0.92 | 0.095 | ug/l |
| 1626 | PCB-1260 | N.D. | 0.095 | ug/l |

The DDT breakdown and the % difference values for DDT and dieldrin were outside the 15% criteria for the ending calibration standard. This data is reported as preliminary and the samples are being reinjected within a compliant calibration bracket.

The samples were reinjected and the reinject data is reported.

Due to interfering peaks on the chromatogram, the values reported represent the lowest quantitation limits obtainable.

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

Lancaster Laboratories
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**LLI Sample No. WW 3278406**
Collected: 11/22/99 at 10:44 by DD

Account No: I0160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL49011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
49011 SDG#: DCC61-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| | AppendixIX Herbicides - Waters | | | |
| 0288 | 2,4-D | N.D. | 0.096 | ug/l |
| 1314 | Dinoseb | 0.145 J | 0.048 | ug/l |
| 0289 | 2,4,5-TP | 0.0126 J | 0.0096 | ug/l |
| 1315 | 2,4,5-T | 0.0447 J | 0.0096 | ug/l |

The surrogate recovery is outside the QC limits; therefore the sample was reextracted. The reextraction was performed outside the method hold time. Surrogate results from the reextract are also outside the QC limits, indicating possible matrix interference. Similar results were observed for the original and the reextract.

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

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Where quality is a science.



**LLI Sample No. WW 3278406**
Collected: 11/22/99 at 10:44 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL49011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
49011 SDG#: DCC61-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| TCL SW846 Semivolatiles/Waters | | | | | |
| 3925 | Phenol | 2. | J | 1. | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | | 1. | ug/l |
| 3924 | 2-Chlorophenol | N.D. | | 1. | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | | 1. | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | | 1. | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | | 1. | ug/l |
| 4680 | 2-Methylphenol | N.D. | | 1. | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | | 1. | ug/l |
| 4682 | 4-Methylphenol | N.D. | | 3. | ug/l |
| | 3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds. | | | | |
| 3942 | N-Nitroso-di-n-propylamine | N.D. | | 1. | ug/l |
| 3941 | Hexachloroethane | N.D. | | 1. | ug/l |
| 3943 | Nitrobenzene | N.D. | | 1. | ug/l |
| 3944 | Isophorone | N.D. | | 1. | ug/l |
| 3926 | 2-Nitrophenol | N.D. | | 1. | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | | 1. | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | | 1. | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | | 1. | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | | 1. | ug/l |
| 3947 | Naphthalene | 1. | J | 1. | ug/l |
| 3871 | 4-Chloroaniline | N.D. | | 1. | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | | 1. | ug/l |
| 3905 | 2-Methylnaphthalene | 2. | J | 1. | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | | 1. | ug/l |
| 3907 | 2-Nitroaniline | N.D. | | 2. | ug/l |
| 3952 | Dimethylphthalate | N.D. | | 2. | ug/l |
| 3951 | Acenaphthylene | N.D. | | 1. | ug/l |

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Respectfully Submitted
Charles J. Neslund, B.S.
Group Leader, GC/MS SVOA

Lancaster Laboratories
Where quality is a science.



**LLI Sample No. WW 3278406**
Collected: 11/22/99 at 10:44 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL49011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
49011 SDG#: DCC61-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| TCL SW846 Semivolatiles/Waters | | | | | |
| 3908 | 3-Nitroaniline | N.D. | | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | | 1. | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | | 10. | ug/l |
| 3879 | Dibenzofuran | N.D. | | 1. | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | | 1. | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | | 1. | ug/l |
| 3956 | Fluorene | 1. | J | 1. | ug/l |
| 3909 | 4-Nitroaniline | N.D. | | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | | 1. | ug/l |
| | N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds. | | | | |
| 3961 | 4-Bromophenyl-phenylether | N.D. | | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | | 3. | ug/l |
| 3963 | Phenanthrene | 7. | J | 1. | ug/l |
| 3964 | Anthracene | 2. | J | 1. | ug/l |
| 4684 | Carbazole | N.D. | | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | | 2. | ug/l |
| 3966 | Fluoranthene | 11. | | 1. | ug/l |
| 3967 | Pyrene | 10. | | 1. | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | | 2. | ug/l |
| 3970 | Benzo(a)anthracene | 6. | J | 1. | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 2. | J | 2. | ug/l |
| 3971 | Chrysene | 7. | J | 1. | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | 9. | J | 1. | ug/l |
| 3976 | Benzo(k)fluoranthene | 4. | J | 1. | ug/l |
| 3977 | Benzo(a)pyrene | 6. | J | 1. | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | 5. | J | 1. | ug/l |
| 3979 | Dibenz(a,h)anthracene | 1. | J | 1. | ug/l |
| 3980 | Benzo(g,h,i)perylene | 4. | J | 1. | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Charles J. Neslund, B.S.
Group Leader, GC/MS SVOA

Lancaster Laboratories
[illegible]
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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See reverse side for explanation of symbols and abbreviations.

KFA-2112

| ID | DATESAMP | ANLYZD | RECVD | # DAYS TO ANALYZE | PARAMETER | RESULT | QU | UNITS | METHOD | |
|---|---|---|---|---|---|---|---|---|---|---|
| WL33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | pH | 7.31 | | | EPA 150.1 | |
| WL33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Mercury | 0.0001 | U | MG/L | SW-846 7470A | metal |
| WL33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Flash Point for Liquids | No Flash Obs | | DEGRE | ASTM D 93-90 | IG |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Endrin Ketone | 0.076 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Alpha Chlordane | 0.19 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Gamma Chlordane | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Alpha BHC | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Beta BHC | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Gamma BHC - Lindane | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Delta BHC | 0.3 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Heptachlor | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Aldrin | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Heptachlor Epoxide | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | DDE | 0.38 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | DDD | 0.076 | U | UG/L | SW-846 8081A/8082 | Pest/ |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | DDT | 0.076 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Dieldrin | 0.076 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Endrin | 0.38 | U | UG/L | SW-846 8081A/8082 | PCB's |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Toxaphene | 5.7 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Endosulfan II | 0.38 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Endosulfan I | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Endosulfan Sulfate | 0.076 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Endrin Aldehyde | 0.076 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | PCB-1016 | 1.9 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | PCB-1221 | 1.9 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | PCB-1232 | 1.9 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | PCB-1242 | 1.9 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | PCB-1248 | 1.9 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | PCB-1254 | 13.9 | | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | PCB-1260 | 1.9 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Methoxychlor | 0.38 | U | UG/L | SW-846 8081A/8082 | |
| WL33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Sulfide (Reactivity) | 39 | U | MG/KG | SW-846 9034 | |
| WL33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Cyanide (Reactivity) | 100 | U | MG/KG | SW-846 9012 | React |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | 2,4-D | 185 | | UG/L | SW-846 8151A | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | 2,4,5-TP | 0.48 | U | UG/L | SW-846 8151A | |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | Dinoseb | 2.4 | U | UG/L | SW-846 8151A | Herb |
| WL33511 | 11/29/1999 | 12/03/1999 | 11/30/1999 | 3 | 2,4,5-T | 3.1 | | UG/L | SW-846 8151A | |
| WL33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Chromium | 0.0158 | J | MG/L | SW-846 6010B | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 4-Chloroaniline | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2-Methylnaphthalene | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2-Nitroaniline | 2 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2,4,5-Trichlorophenol | 2 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2-Chlorophenol | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Phenol | 3 | J | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2-Nitrophenol | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2,4-Dimethylphenol | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2,4-Dichlorophenol | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 4-Chloro-3-methylphenc | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2,4,6-Trichlorophenol | 2 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | bis(2-Chloroethyl)ether | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,3-Dichlorobenzene | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,4-Dichlorobenzene | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,2-Dichlorobenzene | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Hexachloroethane | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | N-Nitroso-di-n-propylam | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Nitrobenzene | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Isophorone | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | bis(2-Chloroethoxy)metl | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,2,4-Trichlorobenzene | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Naphthalene | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Hexachlorobutadiene | 2 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Hexachlorocyclopentadi | 5 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2-Chloronaphthalene | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Acenaphthylene | 0.9 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Dimethylphthalate | 2 | U | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2-Methylphenol | 5 | J | UG/L | SW-846 8270C | |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2,2'-oxybis(1-Chloropro | 0.9 | U | UG/L | SW-846 8270C | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 4-Methylphenol | 3 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Dibenzofuran | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 3-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 4-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2,4-Dinitrophenol | 19 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 4-Nitrophenol | 9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 4,6-Dinitro-2-methylphe | 5 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Pentachlorophenol | 3 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2,6-Dinitrotoluene | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Acenaphthene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2,4-Dinitrotoluene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Fluorene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 4-Chlorophenyl-phenyle | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Diethylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | N-Nitrosodiphenylamine | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 4-Bromophenyl-phenyle | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Hexachlorobenzene | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Phenanthrene | 2 | J | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Anthracene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Di-n-butylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Fluoranthene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Pyrene | 0.9 | U | UG/L | SW-846 8270C SVOC |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Butylbenzylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Benzo(a)anthracene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Chrysene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 3,3'-Dichlorobenzidine | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | bis(2-Ethylhexyl)phthala | 5 | J | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Di-n-octylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Benzo(b)fluoranthene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Benzo(k)fluoranthene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Benzo(a)pyrene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Indeno(1,2,3-cd)pyrene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Dibenz(a,h)anthracene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Benzo(g,h,i)perylene | 0.9 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Carbazole | 3 | U | UG/L | SW-846 8270C |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Chloromethane | 3 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Vinyl Chloride | 2 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Bromomethane | 3 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Chloroethane | 3 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,1-Dichloroethene | 3 | J | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Methylene Chloride | 2 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | trans-1,2-Dichloroethen | 2 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,1-Dichloroethane | 330 | | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | cis-1,2-Dichloroethene | 2 | U | UG/L | SW-846 8260B VOC |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Chloroform | 1 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,1,1-Trichloroethane | 630 | | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Carbon Tetrachloride | 1 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Benzene | 1 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,2-Dichloroethane | 2 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Trichloroethene | 14 | | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,2-Dichloropropane | 1 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Bromodichloromethane | 1 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Toluene | 3 | J | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,1,2-Trichloroethane | 5 | | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Tetrachloroethene | 19 | | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Dibromochloromethane | 2 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Chlorobenzene | 2 | J | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Ethylbenzene | 2 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Styrene | 1 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Bromoform | 1 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 1,1,2,2-Tetrachloroetha | 2 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Acetone | 22 | | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Carbon Disulfide | 3 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2-Butanone MEK | 10 | | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | trans-1,3-Dichloroprope | 1 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | cis-1,3-Dichloropropene | 1 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 4-Methyl-2-pentanone | 5 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | 2-Hexanone | 7 | U | UG/L | SW-846 8260B |
| WL33511 | 11/29/1999 | 12/01/1999 | 11/30/1999 | 1 | Xylene (Total) | 3 | J | UG/L | SW-846 8260B |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| /L33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Arsenic TR | 0.005 | U | MG/L | SW-846 6010B |
| /L33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Selenium TR | 0.0044 | U | MG/L | SW-846 6010B |
| /L33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Barium TR | 0.0589 | | MG/L | SW-846 6010B |
| /L33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Cadmium TR | 0.00111 | J | MG/L | SW-846 6010B |
| /L33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Copper TR | 0.139 | | MG/L | SW-846 6010B |
| /L33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Lead TR | 0.025 | | MG/L | SW-846 6010B |
| /L33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Silver TR | 0.0017 | U | MG/L | SW-846 6010B |
| /L33511 | 11/29/1999 | 12/02/1999 | 11/30/1999 | 2 | Zinc TR | 0.075 | | MG/L | SW-846 6010B |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3280980 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 11/30/99 Date Reported: 12/06/99
Date Collected: 11/29/99

WL33511 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| 4678 | TCL SW846 Semivolatiles/Waters | | | | |
| 3925 | Phenol | 3. | J | 0.9 | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | | 0.9 | ug/l |
| 3924 | 2-Chlorophenol | N.D. | | 0.9 | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 4680 | 2-Methylphenol | 5. | J | 0.9 | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | | 0.9 | ug/l |
| 4682 | 4-Methylphenol | N.D. | | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | | 0.9 | ug/l |
| 3941 | Hexachloroethane | N.D. | | 0.9 | ug/l |
| 3943 | Nitrobenzene | N.D. | | 0.9 | ug/l |
| 3944 | Isophorone | N.D. | | 0.9 | ug/l |
| 3926 | 2-Nitrophenol | N.D. | | 0.9 | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | | 0.9 | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | | 0.9 | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | | 0.9 | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | | 0.9 | ug/l |
| 3947 | Naphthalene | N.D. | | 0.9 | ug/l |
| 3871 | 4-Chloroaniline | N.D. | | 0.9 | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | | 0.9 | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | | 0.9 | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | | 0.9 | ug/l |
| 3907 | 2-Nitroaniline | N.D. | | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3952 | Dimethylphthalate | N.D. | 2. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3280980 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3951 | Acenaphthylene | N.D. | 0.9 | ug/l |

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4679 TCL SW846 Semivolatiles/Waters
The surrogate recovery of 2-fluorobiphenyl was below QC limits. The sample was reextracted within the method required holding time and all surrogate recoveries were within QC limits. However in the reanalysis, LCS recoveries were below QC limits. Therefore, the data reported here is from the initial extraction of this sample. Comparable target analytes were observed. Both sets of data are being reported in the data package.

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| | | | | |
|---|---|---|---|---|
| 3908 | 3-Nitroaniline | N.D. | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | 0.9 | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 9. | ug/l |
| 3879 | Dibenzofuran | N.D. | 0.9 | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 0.9 | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 0.9 | ug/l |
| 3956 | Fluorene | N.D. | 0.9 | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | 0.9 | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | | 3. | ug/l |
| 3963 | Phenanthrene | 2. | J | 0.9 | ug/l |
| 3964 | Anthracene | N.D. | | 0.9 | ug/l |
| 4684 | Carbazole | N.D. | | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | | 2. | ug/l |
| 3966 | Fluoranthene | N.D. | | 0.9 | ug/l |
| 3967 | Pyrene | N.D. | | 0.9 | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | | 2. | ug/l |
| 3970 | Benzo(a)anthracene | N.D. | | 0.9 | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 5. | J | 2. | ug/l |
| 3971 | Chrysene | N.D. | | 0.9 | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | | 0.9 | ug/l |
| 3976 | Benzo(k)fluoranthene | N.D. | | 0.9 | ug/l |
| 3977 | Benzo(a)pyrene | N.D. | | 0.9 | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | | 0.9 | ug/l |

| | | | | |
|---|---|---|---|---|
| 3979 | Dibenz(a,h)anthracene | N.D. | 0.9 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3280980 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3980 | Benzo(g,h,i)perylene | N.D. | 0.9 | ug/l |

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***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3280980 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 11/30/99 Date Reported: NOT REP
Date Collected: 11/29/99

WL33511 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0937 | TCL Pesticides in Waters | | | |

The heptachlor epoxide recovery was outside the QC limits for the LCS and/or LCSD. Since the recovery was high and no heptachlor epoxide was detected in the sample, the results were reported.

Due to interfering peaks on the chromatogram, the values reported represent the lowest quantitation limits obtainable.

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

==========

| | | | | |
|---|---|---|---|---|
| 1600 | Alpha BHC | N.D. | 0.038 | ug/l |
| 1601 | Beta BHC | N.D. | 0.038 | ug/l |
| 1603 | Delta BHC | N.D. | 0.30 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.038 | ug/l |
| 1604 | Heptachlor | N.D. | 0.038 | ug/l |
| 1605 | Aldrin | N.D. | 0.038 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | 0.038 | ug/l |
| 1616 | Endosulfan I | N.D. | 0.038 | ug/l |
| 1610 | Dieldrin | N.D. | 0.076 | ug/l |
| 1607 | DDE | N.D. | 0.38 | ug/l |
| 1611 | Endrin | N.D. | 0.38 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.38 | ug/l |
| 1608 | DDD | N.D. | 0.076 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 0.076 | ug/l |
| 1609 | DDT | N.D. | 0.076 | ug/l |
| 0938 | Endrin Ketone | N.D. | 0.076 | ug/l |
| 1860 | Methoxychlor | N.D. | 0.38 | ug/l |
| 1361 | Alpha Chlordane | N.D. | 0.19 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 0.038 | ug/l |
| 1613 | Toxaphene | N.D. | 5.7 | ug/l |
| 1618 | Endrin Aldehyde | N.D. | 0.076 | ug/l |
| 1619 | PCB-1016 | N.D. | 1.9 | ug/l |

| | | | | |
|---|---|---|---|---|
| 1620 | PCB-1221 | N.D. | 1.9 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3280980 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 1621 | PCB-1232 | N.D. | 1.9 | ug/l |
| 1622 | PCB-1242 | N.D. | 1.9 | ug/l |
| 1623 | PCB-1248 | N.D. | 1.9 | ug/l |
| 1624 | PCB-1254 | 13.9 | 1.9 | ug/l |
| 1626 | PCB-1260 | N.D. | 1.9 | ug/l |

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| | | | | | |
|---|---|---|---|---|---|
| 1316 | AppendixIX Herbicides - Waters | TCLP Max. | | | |
| 0288 | 2,4-D | 10,000 | 185. | 4.8 | ug/l |
| 1314 | Dinoseb | | N.D. | 2.4 | ug/l |
| 0289 | 2,4,5-TP | | N.D. | 0.48 | ug/l |
| 1315 | 2,4,5-T | 400,000 | 3.1 | 0.48 | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 4678 | TCL SW846 Semivolatiles/Waters | | | | |
| 3925 | Phenol | | 3. | J 0.9 | ug/l |
| 3936 | bis(2-Chloroethyl)ether | | N.D. | 0.9 | ug/l |
| 3924 | 2-Chlorophenol | | N.D. | 0.9 | ug/l |
| 3937 | 1,3-Dichlorobenzene | | N.D. | 0.9 | ug/l |
| 3938 | 1,4-Dichlorobenzene | | N.D. | 0.9 | ug/l |
| 3939 | 1,2-Dichlorobenzene | | N.D. | 0.9 | ug/l |
| 4680 | 2-Methylphenol | | 4. | J 0.9 | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | | N.D. | 0.9 | ug/l |
| 4682 | 4-Methylphenol | | N.D. | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | 0.9 | ug/l |
| 3941 | Hexachloroethane | N.D. | 0.9 | ug/l |
| 3943 | Nitrobenzene | N.D. | 0.9 | ug/l |
| 3944 | Isophorone | N.D. | 0.9 | ug/l |
| 3926 | 2-Nitrophenol | N.D. | 0.9 | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | 0.9 | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | 0.9 | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | 0.9 | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | 0.9 | ug/l |
| 3947 | Naphthalene | N.D. | 0.9 | ug/l |
| 3871 | 4-Chloroaniline | N.D. | 0.9 | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | 0.9 | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | 0.9 | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | 5. | J 0.9 | ug/l |
| 3907 | 2-Nitroaniline | N.D. | 2. | ug/l |
| 3952 | Dimethylphthalate | N.D. | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3951 | Acenaphthylene | N.D. | 0.9 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3280980 Account: 10160 DAIMLERCHRYSLER CORPORATION

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| | | | | |
|---|---|---|---|---|
| 4679 | TCL SW846 Semivolatiles/Waters | | | |
| 3908 | 3-Nitroaniline | N.D. | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | 0.9 | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 9. | ug/l |
| 3879 | Dibenzofuran | N.D. | 0.9 | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 0.9 | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 0.9 | ug/l |
| 3956 | Fluorene | N.D. | 0.9 | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | 0.9 | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine.
The result reported for N-nitrosodiphenylamine represents the combined
total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | 3. | ug/l |
| 3963 | Phenanthrene | N.D. | 0.9 | ug/l |
| 3964 | Anthracene | N.D. | 0.9 | ug/l |
| 4684 | Carbazole | N.D. | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | 2. | ug/l |
| 3966 | Fluoranthene | N.D. | 0.9 | ug/l |
| 3967 | Pyrene | N.D. | 0.9 | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | 2. | ug/l |
| 3970 | Benzo(a)anthracene | N.D. | 0.9 | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 7. J | 2. | ug/l |
| 3971 | Chrysene | N.D. | 0.9 | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | 0.9 | ug/l |
| 3976 | Benzo(k)fluoranthene | N.D. | 0.9 | ug/l |
| 3977 | Benzo(a)pyrene | N.D. | 0.9 | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | 0.9 | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | 0.9 | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | 0.9 | ug/l |

==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3280980 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 11/30/99 Date Reported: NOT REP
Date Collected: 11/29/99

WL33511 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 7.31 | 0.010 | |
| 0259 | Mercury | 0.2 N.D. | 0.00010 | mg/l |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 150F.
Test flame extinguished at 95F.
Flash point was determined using Pensky Martens closed cup apparatus.
==========

| | | | | |
|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below |

Corrosivity:
The pH of the sample was 7.31 indicating that the waste is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.
==========

| | | | | |
|---|---|---|---|---|
| 1121 | Reactivity | See Below | | See Below |

Reactivity:
The sample was extracted by the interim method described in SW 846,
Chapter 7.3. This solution was analyzed for cyanide and sulfide.
This waste is not considered reactive and hazardous because it does
not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or
hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were
established by the Solid Waste Branch of EPA, July, 1992. These results
do not reflect total cyanide or total sulfide.
==========

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 1751 | Chromium | 0.0158 J | 0.0098 | mg/l |
| 6291 | TCL by 8260 (water) | | | |

Sufficient sample volume was not available to perform a MSD for this
analysis. However, a MS was performed. In addition, a LCS/LCSD was
performed to demonstrate precision and accuracy at a batch level.
==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3280980 Account: 10160 DAIMLERCHRYSLER CORPORATION

TCLP

| | | | | | | |
|---|---|---|---|---|---|---|
| 5385 | Chloromethane | | N.D. | | 3. | ug/l |
| 5387 | Bromomethane | | N.D. | | 3. | ug/l |
| 5386 | Vinyl Chloride | | N.D. | | 2. | ug/l |
| 5388 | Chloroethane | | N.D. | | 3. | ug/l |
| 5391 | Methylene Chloride | | N.D. | | 2. | ug/l |
| 6302 | Acetone | | 22. | | 6. | ug/l |
| 6303 | Carbon Disulfide | | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | 700 | 3. | J | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | 500 | 330. | | 10. | ug/l |
| 5396 | Chloroform | | N.D. | | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | | 10. | | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | | 630. | | 5. | ug/l |
| 5399 | Carbon Tetrachloride | | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | 500 | 14. | | 1. | ug/l |
| 5411 | Dibromochloromethane | | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | | 5. | | 2. | ug/l |
| 5401 | Benzene | | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | | N.D. | | 1. | ug/l |
| 5419 | Bromoform | | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | | N.D. | | 5. | ug/l |
| 6309 | 2-Hexanone | | N.D. | | 7. | ug/l |
| 5409 | Tetrachloroethene | 700 | 19. | | 1. | ug/l |
| 5407 | Toluene | | 3. | J | 2. | ug/l |
| 5413 | Chlorobenzene | | 2. | J | 1. | ug/l |
| 5415 | Ethylbenzene | | N.D. | | 2. | ug/l |
| 5418 | Styrene | | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | | 3. | J | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | | N.D. | | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | | N.D. | | 2. | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 7035 | Arsenic TR | 5 | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | 1.0 | N.D. | 0.0044 | mg/l |
| 7046 | Barium TR | 100 | 0.0589 | 0.00049 | mg/l |
| 7049 | Cadmium TR | 1.0 | 0.00111J | 0.00081 | mg/l |
| 7053 | Copper TR | | 0.139 | 0.0029 | mg/l |
| 7055 | Lead TR | 5.0 | 0.025 | 0.0079 | mg/l |
| 7066 | Silver TR | 5.0 | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | | 0.075 | 0.0030 | mg/l |

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DEC 13 1999

**LLI Sample No. WW 3278407**
Collected: 11/22/99 at 11:48 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL0004 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
L0004 SDG#: DCC61-02

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | See Page 2 |
| 1751 | Chromium | 0.131 | 0.0098 | mg/l |
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | 0.0049 J | 0.0044 | mg/l |
| 7046 | Barium TR | 0.225 | 0.00049 | mg/l |
| 7049 | Cadmium TR | 0.0070 | 0.00081 | mg/l |
| 7053 | Copper TR | 0.181 | 0.0029 | mg/l |
| 7055 | Lead TR | 0.140 | 0.0079 | mg/l |
| 7066 | Silver TR | 0.0029 J | 0.0017 | mg/l |
| 7072 | Zinc TR | 5.42 | 0.0030 | mg/l |
| 0259 | Mercury | 0.00040 | 0.00010 | mg/l |
| 0937 | TCL Pesticides in Waters | | | See Page 3 |
| 1316 | AppendixIX Herbicides - Waters | | | See Page 5 |
| 4678 | TCL SW846 Semivolatiles/Waters | | | See Page 6 |
| 4679 | TCL SW846 Semivolatiles/Waters | | | See Page 7 |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 0200 | pH | 7.71 | 0.010 | |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |
| | No flash observed below 150F. | | | |
| | Test flame extinguished at 90F. | | | |
| | Flash point was determined using Pensky Martens closed cup apparatus. | | | |
| 0496 | Corrosivity | See Below | | See Below |
| | Corrosivity: | | | |
| | The pH of the sample was 7.71 indicating that the waste is not corrosive. | | | |
| | A waste is corrosive if it exhibits a pH equal to or less than 2 | | | |
| | or equal to or greater than 12.5. | | | |
| 1121 | Reactivity | See Below | | See Below |
| | Reactivity: | | | |
| | The sample was extracted by the interim method described in SW 846, | | | |
| | Chapter 7.3. This solution was analyzed for cyanide and sulfide. | | | |
| | This waste is not considered reactive and hazardous because it does | | | |
| | not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or | | | |
| | hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were | | | |
| | established by the Solid Waste Branch of EPA, July, 1992. These results | | | |
| | do not reflect total cyanide or total sulfide. | | | |
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |

1 COPY TO Leggette, Brashears & Graham ATTN: Mr. Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300
22:06:19 D 0001 4 139744 692779
320 0.00 00202400 ASR000

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

Lancaster Laboratories is a subsidiary of ThermoTech Inc., a Thermo Electron Company.

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*Where quality is a science.*

**LLI Sample No. WW 3278407**
Collected: 11/22/99 at 11:48 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL0004 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
L0004 SDG#: DCC61-02

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| TCL by 8260 (water) | | | | | |
| 5385 | Chloromethane | N.D. | | 3. | ug/l |
| 5387 | Bromomethane | N.D. | | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | | 2. | ug/l |
| 5388 | Chloroethane | N.D. | | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | | 2. | ug/l |
| 6302 | Acetone | 7. | J | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | | 2. | ug/l |
| 5396 | Chloroform | N.D. | | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | | 1. | ug/l |
| 5407 | Toluene | N.D. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | N.D. | | 2. | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

Lancaster Laboratories
*Where quality is a science.*

**LLI Sample No. WW 3278407**
Collected: 11/22/99 at 11:48 by DD

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL0004 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
L0004 SDG#: DCC61-02

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| TCL Pesticides in Waters | | | | |
| 1600 | Alpha BHC | N.D. | 0.038 | ug/l |
| 1601 | Beta BHC | N.D. | 0.038 | ug/l |
| 1603 | Delta BHC | N.D. | 0.19 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.19 | ug/l |
| 1604 | Heptachlor | N.D. | 0.038 | ug/l |
| 1605 | Aldrin | N.D. | 0.038 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | 0.19 | ug/l |
| 1616 | Endosulfan I | N.D. | 0.19 | ug/l |
| 1610 | Dieldrin | N.D. | 0.076 | ug/l |
| 1607 | DDE | N.D. | 0.076 | ug/l |
| 1611 | Endrin | 5.24 | 0.076 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.38 | ug/l |
| 1608 | DDD | N.D. | 0.076 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 0.076 | ug/l |
| 1609 | DDT | N.D. | 4.0 | ug/l |
| 0938 | Endrin Ketone | N.D. | 0.076 | ug/l |
| 1860 | Methoxychlor | N.D. | 0.38 | ug/l |
| 1361 | Alpha Chlordane | N.D. | 0.038 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 0.038 | ug/l |
| 1613 | Toxaphene | N.D. | 5.7 | ug/l |
| 1618 | Endrin Aldehyde | N.D. | 0.38 | ug/l |
| 1619 | PCB-1016 | N.D. | 1.9 | ug/l |
| 1620 | PCB-1221 | N.D. | 1.9 | ug/l |
| 1621 | PCB-1232 | N.D. | 1.9 | ug/l |
| 1622 | PCB-1242 | N.D. | 1.9 | ug/l |
| 1623 | PCB-1248 | N.D. | 1.9 | ug/l |
| 1624 | PCB-1254 | 32.9 | 1.9 | ug/l |
| 1626 | PCB-1260 | N.D. | 1.9 | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

Lancaster Laboratories
[illegible] New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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See reverse [illegible] for explanation [illegible] abbreviations.

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**LLI Sample No. WW 3278407**
Collected: 11/22/99 at 11:48 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL0004 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
L0004 SDG#: DCC61-02

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|

TCL Pesticides in Waters

The DDT breakdown and the % difference values for DDT and dieldrin were outside the 15% criteria for the ending calibration standard. This data is reported as preliminary and the samples are being reinjected within a compliant calibration bracket.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The Limits of Quantitation (LOQ's) were raised accordingly.

The sample was reinjected and the reinject data is reported.

Due to interfering peaks on the chromatogram, the values reported represent the lowest quantitation limits obtainable.

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

Lancaster Laboratories
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**LLI Sample No. WW 3278407**
Collected: 11/22/99 at 11:48 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL0004 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
L0004 SDG#: DCC61-02

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| AppendixIX Herbicides - Waters | | | | | |
| 0288 | 2,4-D | N.D. | | 9.5 | ug/l |
| 1314 | Dinoseb | 9.0 | J | 4.8 | ug/l |
| 0289 | 2,4,5-TP | N.D. | | 1.0 | ug/l |
| 1315 | 2,4,5-T | N.D. | | 1.0 | ug/l |

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

Lancaster Laboratories
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**LLI Sample No. WW 3278407**
Collected: 11/22/99 at 11:48 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL0004 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
L0004 SDG#: DCC61-02

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| TCL SW846 Semivolatiles/Waters | | | | | |
| 3925 | Phenol | N.D. | | 0.9 | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | | 0.9 | ug/l |
| 3924 | 2-Chlorophenol | N.D. | | 0.9 | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 4680 | 2-Methylphenol | N.D. | | 0.9 | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | | 0.9 | ug/l |
| 4682 | 4-Methylphenol | N.D. | | 3. | ug/l |
| | 3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds. | | | | |
| 3942 | N-Nitroso-di-n-propylamine | N.D. | | 0.9 | ug/l |
| 3941 | Hexachloroethane | N.D. | | 0.9 | ug/l |
| 3943 | Nitrobenzene | N.D. | | 0.9 | ug/l |
| 3944 | Isophorone | N.D. | | 0.9 | ug/l |
| 3926 | 2-Nitrophenol | N.D. | | 0.9 | ug/l |
| 3927 | 2,4-Dimethylphenol | 2. | J | 0.9 | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | | 0.9 | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | | 0.9 | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | | 0.9 | ug/l |
| 3947 | Naphthalene | N.D. | | 0.9 | ug/l |
| 3871 | 4-Chloroaniline | N.D. | | 0.9 | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | | 0.9 | ug/l |
| 3905 | 2-Methylnaphthalene | 1. | J | 0.9 | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | | 0.9 | ug/l |
| 3907 | 2-Nitroaniline | N.D. | | 2. | ug/l |
| 3952 | Dimethylphthalate | N.D. | | 2. | ug/l |
| 3951 | Acenaphthylene | N.D. | | 0.9 | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Charles J. Neslund, B.S.
Group Leader, GC/MS SVOA

Lancaster Laboratories
Where quality is a science.



**LLI Sample No. WW 3278407**
Collected: 11/22/99 at 11:48 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900271

Submitted: 11/23/99 Reported: 12/06/99
Discard: 02/05/00

WL0004 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH
L0004 SDG#: DCC61-02

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| TCL SW846 Semivolatiles/Waters | | | | | |
| 3908 | 3-Nitroaniline | N.D. | | 2. | ug/l |
| 3954 | Acenaphthene | 3. | J | 0.9 | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | | 9. | ug/l |
| 3879 | Dibenzofuran | 2. | J | 0.9 | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | | 0.9 | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | | 2. | ug/l |
| 3958 | Diethylphthalate | 15. | | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | | 0.9 | ug/l |
| 3956 | Fluorene | 4. | J | 0.9 | ug/l |
| 3909 | 4-Nitroaniline | N.D. | | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | | 0.9 | ug/l |
| | N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds. | | | | |
| 3961 | 4-Bromophenyl-phenylether | N.D. | | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | | 3. | ug/l |
| 3963 | Phenanthrene | 25. | | 0.9 | ug/l |
| 3964 | Anthracene | 3. | J | 0.9 | ug/l |
| 4684 | Carbazole | 4. | J | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | | 2. | ug/l |
| 3966 | Fluoranthene | 20. | | 0.9 | ug/l |
| 3967 | Pyrene | 15. | | 0.9 | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | | 2. | ug/l |
| 3970 | Benzo(a)anthracene | 5. | J | 0.9 | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 46. | | 2. | ug/l |
| 3971 | Chrysene | 8. | J | 0.9 | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | 5. | J | 0.9 | ug/l |
| 3976 | Benzo(k)fluoranthene | 4. | J | 0.9 | ug/l |
| 3977 | Benzo(a)pyrene | 4. | J | 0.9 | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | 3. | J | 0.9 | ug/l |
| 3979 | Dibenz(a,h)anthracene | 1. | J | 0.9 | ug/l |
| 3980 | Benzo(g,h,i)perylene | 4. | J | 0.9 | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Charles J. Neslund, B.S.
Group Leader, GC/MS SVOA

Lancaster Laboratories
[illegible] Hartman Pike
PO Box 12425
Lancaster PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.

| ID | DATESAMP | ANLYZD | RECVD | # DAYS TO ANALYZE | PARAMETER | RESULT | QUAL | UNIT | METHOD | |
|---|---|---|---|---|---|---|---|---|---|---|
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | pH | 4.37 | | | EPA 150.1 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Mercury | 0.001 | U | MG/L | SW-846 7470A | metal Hg |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Flash Point for Liquid: | No Flash Obser | | DEGF | ASTM D 93-90 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Endrin Ketone | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Alpha Chlordane | 0.019 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Gamma Chlordane | 0.019 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Alpha BHC | 0.019 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Beta BHC | 0.019 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Gamma BHC - Lindar | 0.019 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Delta BHC | 0.2 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Heptachlor | 0.095 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Aldrin | 0.019 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Heptachlor Epoxide | 0.019 | U | UG/L | SW-846 8081A/8082 | Pest/PCBs |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | DDE | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | DDD | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | DDT | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Dieldrin | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Endrin | 0.8 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Toxaphene | 2.9 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Endosulfan II | 0.3 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Endosulfan I | 0.019 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Endosulfan Sulfate | 0.038 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Endrin Aldehyde | 0.19 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | PCB-1016 | 1 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | PCB-1221 | 1 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | PCB-1232 | 1 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | PCB-1242 | 1 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | PCB-1248 | 1 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | PCB-1254 | 57 | | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | PCB-1260 | 1 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Methoxychlor | 0.19 | U | UG/L | SW-846 8081A/8082 | |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Sulfide (Reactivity) | 39 | U | MG/K | SW-846 9034 | |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Cyanide (Reactivity) | 100 | U | MG/K | SW-846 9012 | React |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,4-D | 4.5 | J | UG/L | SW-846 8151A | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,4,5-TP | 0.34 | J | UG/L | SW-846 8151A | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Dinoseb | 1 | U | UG/L | SW-846 8151A | Herb |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,4,5-T | 0.19 | U | UG/L | SW-846 8151A | |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Chromium | 0.135 | | MG/L | SW-846 6010B | metal |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 4-Chloroaniline | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2-Methylnaphthalene | 4 | J | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2-Nitroaniline | 2 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,4,5-Trichlorophenol | 2 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2-Chlorophenol | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Phenol | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2-Nitrophenol | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,4-Dimethylphenol | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,4-Dichlorophenol | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 4-Chloro-3-methylphe | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,4,6-Trichlorophenol | 2 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | bis(2-Chloroethyl)ethe | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 1,3-Dichlorobenzene | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 1,4-Dichlorobenzene | 1 | J | UG/L | SW-846 8270C | SVOC |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 1,2-Dichlorobenzene | 16 | | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Hexachloroethane | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | N-Nitroso-di-n-propyla | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Nitrobenzene | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Isophorone | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | bis(2-Chloroethoxy)m | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 1,2,4-Trichlorobenzen | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Naphthalene | 10 | J | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Hexachlorobutadiene | 2 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Hexachlorocyclopenta | 5 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2-Chloronaphthalene | 29 | | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Acenaphthylene | 1 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Dimethylphthalate | 2 | U | UG/L | SW-846 8270C | |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2-Methylphenol | 1 | U | UG/L | SW-846 8270C | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,2'-oxybis(1-Chloropr | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 4-Methylphenol | 3 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Dibenzofuran | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 3-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 4-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,4-Dinitrophenol | 19 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 4-Nitrophenol | 10 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 4,6-Dinitro-2-methylpl | 5 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Pentachlorophenol | 3 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,6-Dinitrotoluene | 2 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Acenaphthene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 2,4-Dinitrotoluene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Fluorene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 4-Chlorophenyl-phen | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Diethylphthalate | 4 | J | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | N-Nitrosodiphenylami | 2 | J | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 4-Bromophenyl-phen | 2 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Hexachlorobenzene | 2 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Phenanthrene | 2 | J | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Anthracene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Di-n-butylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Fluoranthene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Pyrene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Butylbenzylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Benzo(a)anthracene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Chrysene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | 3,3'-Dichlorobenzidine | 2 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | bis(2-Ethylhexyl)phth | 17 | | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Di-n-octylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Benzo(b)fluoranthene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Benzo(k)fluoranthene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Benzo(a)pyrene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Indeno(1,2,3-cd)pyrer | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Dibenz(a,h)anthracen | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Benzo(g,h,i)perylene | 1 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/06/1999 | 12/01/1999 | 5 | Carbazole | 3 | U | UG/L | SW-846 8270C |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Chloromethane | 15 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Vinyl Chloride | 10 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Bromomethane | 15 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Chloroethane | 22 | J | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 1,1-Dichloroethene | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Methylene Chloride | 10 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | trans-1,2-Dichloroeth | 10 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 1,1-Dichloroethane | 260 | | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | cis-1,2-Dichloroethen | 15 | J | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Chloroform | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 1,1,1-Trichloroethane | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Carbon Tetrachloride | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Benzene | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 1,2-Dichloroethane | 16 | J | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Trichloroethene | 35 | | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 1,2-Dichloropropane | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Bromodichloromethar | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Toluene | 280 | | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 1,1,2-Trichloroethane | 10 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Tetrachloroethene | 24 | J | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Dibromochloromethar | 10 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Chlorobenzene | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Ethylbenzene | 10 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Styrene | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Bromoform | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 1,1,2,2-Tetrachloroeth | 10 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Acetone | 66 | J | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Carbon Disulfide | 15 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 2-Butanone | 47 | J | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | trans-1,3-Dichloropro | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | cis-1,3-Dichloroprope | 5 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 4-Methyl-2-pentanone | 25 | U | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | 2-Hexanone | 36 | J | UG/L | SW-846 8260B |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| WL0006 | 11/30/1999 | 12/02/1999 | 12/01/1999 | 1 | Xylene (Total) | 38 | UG/L | SW-846 8260B |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Arsenic TR | 0.062 | MG/L | SW-846 6010B |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Selenium TR | 0.052 | MG/L | SW-846 6010B |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Barium TR | 0.297 | MG/L | SW-846 6010B |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Cadmium TR | 0.041 | MG/L | SW-846 6010B |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Copper TR | 1.46 | MG/L | SW-846 6010B |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Lead TR | 0.037 | MG/L | SW-846 6010B |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Silver TR | 0.0017 U | MG/L | SW-846 6010B |
| WL0006 | 11/30/1999 | 12/03/1999 | 12/01/1999 | 2 | Zinc TR | 3.32 | MG/L | SW-846 6010B |

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Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/01/99 Date Reported: NOT REP
Date Collected: 11/30/99

WL0006 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 4.37 | 0.010 | |
| 0259 | Mercury | N.D. | 0.0010 | mg/l |

The quantitation limit for mercury was increased
due to the nature of the sample matrix.
==========

| | | | | |
|---|---|---|---|---|
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 150F.
Test flame extinguished at 101F.
Flash point was determined using Pensky Martens closed cup apparatus.
==========

| | | | | |
|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below |

Corrosivity:
The pH the sample was 4.37 indicating that the sample is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.
==========

| | | | | |
|---|---|---|---|---|
| 1121 | Reactivity | See Below | | See Below |

Reactivity:
The sample was extracted by the interim method described in SW 846,
Chapter 7.3. This solution was analyzed for cyanide and sulfide.
This waste is not considered reactive and hazardous because it does
not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or
hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were
established by the Solid Waste Branch of EPA, July, 1992. These results
do not reflect total cyanide or total sulfide.
==========

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 1751 | Chromium | 0.135 | 0.0098 | mg/l |
| 6291 | TCL by 8260 (water) | | | |

he quantitation limits for the GC/MS volatile compounds were raised due to



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Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION

the level of non-target compounds.

This analysis was performed at a 5 times dilution of the original sample.

==========

| | | TCLP Limit | | | | |
|---|---|---|---|---|---|---|
| 5385 | Chloromethane | | N.D. | | 15. | ug/l |
| 5387 | Bromomethane | | N.D. | | 15. | ug/l |
| 5386 | Vinyl Chloride | | N.D. | | 10. | ug/l |
| 5388 | Chloroethane | | 22. | J | 15. | ug/l |
| 5391 | Methylene Chloride | | N.D. | | 10. | ug/l |
| 6302 | Acetone | | 66. | J | 30. | ug/l |
| 6303 | Carbon Disulfide | | N.D. | | 15. | ug/l |
| 5390 | 1,1-Dichloroethene | | N.D. | | 5. | ug/l |
| 5393 | 1,1-Dichloroethane | 500 | 260. | | 10. | ug/l |
| 5396 | Chloroform | | N.D. | | 5. | ug/l |
| 5402 | 1,2-Dichloroethane | 500 | 16. | J | 10. | ug/l |
| 6305 | 2-Butanone | 200,000 | 47. | J | 15. | ug/l |
| 5398 | 1,1,1-Trichloroethane | | N.D. | | 5. | ug/l |
| 5399 | Carbon Tetrachloride | | N.D. | | 5. | ug/l |
| 5406 | Bromodichloromethane | | N.D. | | 5. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | | N.D. | | 10. | ug/l |
| 5404 | 1,2-Dichloropropane | | N.D. | | 5. | ug/l |
| 6306 | trans-1,3-Dichloropropene | | N.D. | | 5. | ug/l |
| 5403 | Trichloroethene | 500 | 35. | | 5. | ug/l |
| 5411 | Dibromochloromethane | | N.D. | | 10. | ug/l |
| 5408 | 1,1,2-Trichloroethane | | N.D. | | 10. | ug/l |
| 5401 | Benzene | | N.D. | | 5. | ug/l |
| 6307 | cis-1,3-Dichloropropene | | N.D. | | 5. | ug/l |
| 5419 | Bromoform | | N.D. | | 5. | ug/l |
| 6308 | 4-Methyl-2-pentanone | | N.D. | | 25. | ug/l |
| 6309 | 2-Hexanone | | 36. | J | 35. | ug/l |
| 5409 | Tetrachloroethene | 700 | 24. | J | 5. | ug/l |
| 5407 | Toluene | | 280. | | 10. | ug/l |
| 5413 | Chlorobenzene | | N.D. | | 5. | ug/l |
| 5415 | Ethylbenzene | | N.D. | | 10. | ug/l |
| 5418 | Styrene | | N.D. | | 5. | ug/l |
| 6310 | Xylene (Total) | | 38. | | 5. | ug/l |
| 5392 | trans-1,2-Dichloroethene | | N.D. | | 10. | ug/l |
| 5395 | cis-1,2-Dichloroethene | | 15. | J | 10. | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 7035 | Arsenic TR | 5 | 0.062 | 0.0050 | mg/l |
| 7036 | Selenium TR | 1 | 0.052 | 0.0044 | mg/l |
| 7046 | Barium TR | 100 | 0.297 | 0.00049 | mg/l |
| 7049 | Cadmium TR | 1 | 0.0410 | 0.00081 | mg/l |
| 7053 | Copper TR | | 1.46 | 0.0029 | mg/l |
| 7055 | Lead TR | 5 | 0.037 | 0.0079 | mg/l |
| 7066 | Silver TR | 5 | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | | 3.32 | 0.0030 | mg/l |

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Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/01/99 Date Reported: NOT REP
Date Collected: 11/30/99

WL0006 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0937 | TCL Pesticides in Waters | | | |

Due to interfering peaks on the chromatogram, the values reported represent the lowest quantitation limits obtainable.
Despite numerous cleanup methods, we were unable to reach our usual quantitation limits.

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

The gamma-Chlordane recovery was outside the QC limits for the LCSD. Since the recovery was high and no gamma-Chlordane was detected in the sample, the results were reported.
==========

| | | | | |
|---|---|---|---|---|
| 1600 | Alpha BHC | N.D. | 0.019 | ug/l |
| 1601 | Beta BHC | N.D. | 0.019 | ug/l |
| 1603 | Delta BHC | N.D. | 0.20 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.019 | ug/l |
| 1604 | Heptachlor | N.D. | 0.095 | ug/l |
| 1605 | Aldrin | N.D. | 0.019 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | 0.019 | ug/l |
| 1616 | Endosulfan I | N.D. | 0.019 | ug/l |
| 1610 | Dieldrin | N.D. | 0.038 | ug/l |
| 1607 | DDE | N.D. | 0.038 | ug/l |
| 1611 | Endrin | N.D. | 0.80 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.30 | ug/l |
| 1608 | DDD | N.D. | 0.038 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 0.038 | ug/l |
| 1609 | DDT | N.D. | 0.038 | ug/l |
| 0938 | Endrin Ketone | N.D. | 0.038 | ug/l |
| 1860 | Methoxychlor | N.D. | 0.19 | ug/l |
| 1361 | Alpha Chlordane | N.D. | 0.019 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 0.019 | ug/l |
| 1613 | Toxaphene | N.D. | 2.9 | ug/l |

| | | | | |
|---|---|---|---|---|
| 1618 | Endrin Aldehyde | N.D. | 0.19 | ug/l |



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Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 1619 | PCB-1016 | N.D. | 1.0 | ug/l |
| 1620 | PCB-1221 | N.D. | 1.0 | ug/l |
| 1621 | PCB-1232 | N.D. | 1.0 | ug/l |
| 1622 | PCB-1242 | N.D. | 1.0 | ug/l |
| 1623 | PCB-1248 | N.D. | 1.0 | ug/l |
| 1624 | PCB-1254 | 57.0 | 1.0 | ug/l |
| 1626 | PCB-1260 | N.D. | 1.0 | ug/l |

==========

Sample Number: WW3282074 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/01/99 Date Reported: NOT REP
Date Collected: 11/30/99

WLT113099 Trip Blank Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3282075 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/01/99 Date Reported: NOT REP
Date Collected: 12/01/99

Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

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Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/01/99 Date Reported: NOT REP
Date Collected: 11/30/99

WL0006 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| 1316 | AppendixIX Herbicides - Waters | | | | |

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

==========

| | | | | | |
|---|---|---|---|---|---|
| 0288 | 2,4-D | 4.5 | J | 1.9 | ug/l |
| 1314 | Dinoseb | N.D. | | 1.0 | ug/l |
| 0289 | 2,4,5-TP | 0.34 | J | 0.19 | ug/l |
| 1315 | 2,4,5-T | N.D. | | 0.19 | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 4678 | TCL SW846 Semivolatiles/Waters | | | | |
| 3925 | Phenol | N.D. | | 1. | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | | 1. | ug/l |
| 3924 | 2-Chlorophenol | N.D. | | 1. | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | | 1. | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | | 1. | ug/l |
| 3939 | 1,2-Dichlorobenzene | 16. | | 1. | ug/l |
| 4680 | 2-Methylphenol | N.D. | | 1. | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | | 1. | ug/l |
| 4682 | 4-Methylphenol | N.D. | | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | | 1. | ug/l |
| 3941 | Hexachloroethane | N.D. | | 1. | ug/l |
| 3943 | Nitrobenzene | N.D. | | 1. | ug/l |
| 3944 | Isophorone | N.D. | | 1. | ug/l |
| 3926 | 2-Nitrophenol | N.D. | | 1. | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | | 1. | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | | 1. | ug/l |

| | | | | | |
|---|---|---|---|---|---|
| 3928 | 2,4-Dichlorophenol | N.D. | | 1. | ug/l |



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2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 3946 | 1,2,4-Trichlorobenzene | N.D. | | 1. | ug/l |
| 3947 | Naphthalene | 10. | J | 1. | ug/l |
| 3871 | 4-Chloroaniline | N.D. | | 1. | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | | 1. | ug/l |
| 3905 | 2-Methylnaphthalene | 4. | J | 1. | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | 22. | | 1. | ug/l |
| 3907 | 2-Nitroaniline | N.D. | | 2. | ug/l |
| 3952 | Dimethylphthalate | N.D. | | 2. | ug/l |
| 3951 | Acenaphthylene | N.D. | | 1. | ug/l |

==========

4679 TCL SW846 Semivolatiles/Waters

Poor surrogate recoveries were observed for the GC/MS semivolatile compounds. The analysis was repeated and poor surrogate recoveries were again observed, indicating a significant matrix effect.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3908 | 3-Nitroaniline | N.D. | | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | | 1. | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | | 10. | ug/l |
| 3879 | Dibenzofuran | N.D. | | 1. | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | | 1. | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | | 2. | ug/l |
| 3958 | Diethylphthalate | 3. | J | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | | 1. | ug/l |
| 3956 | Fluorene | N.D. | | 1. | ug/l |
| 3909 | 4-Nitroaniline | N.D. | | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | | 1. | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | | 3. | ug/l |
| 3963 | Phenanthrene | 2. | J | 1. | ug/l |
| 3964 | Anthracene | N.D. | | 1. | ug/l |
| 4684 | Carbazole | N.D. | | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | | 2. | ug/l |
| 3966 | Fluoranthene | N.D. | | 1. | ug/l |
| 3967 | Pyrene | N.D. | | 1. | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3972 | 3,3'-Dichlorobenzidine | N.D. | 2. | ug/l |



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Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3970 | Benzo(a)anthracene | N.D. | 1. | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 17. | 2. | ug/l |
| 3971 | Chrysene | N.D. | 1. | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | 1. | ug/l |
| 3976 | Benzo(k)fluoranthene | N.D. | 1. | ug/l |
| 3977 | Benzo(a)pyrene | N.D. | 1. | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | 1. | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | 1. | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | 1. | ug/l |

==========

Sample Number: WW3282074 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/01/99 Date Reported: NOT REP
Date Collected: 11/30/99

WLT113099 Trip Blank Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3282075 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/01/99 Date Reported: NOT REP
Date Collected: 12/01/99

Storage Blank Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/01/99 Date Reported: 12/08/99
Date Collected: 11/30/99

WL0006 Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| 4678 | TCL SW846 Semivolatiles/Waters | | | | |
| 3925 | Phenol | N.D. | | 1. | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | | 1. | ug/l |
| 3924 | 2-Chlorophenol | N.D. | | 1. | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | | 1. | ug/l |
| 3938 | 1,4-Dichlorobenzene | 1. | J | 1. | ug/l |
| 3939 | 1,2-Dichlorobenzene | 16. | | 1. | ug/l |
| 4680 | 2-Methylphenol | N.D. | | 1. | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | | 1. | ug/l |
| 4682 | 4-Methylphenol | N.D. | | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | | 1. | ug/l |
| 3941 | Hexachloroethane | N.D. | | 1. | ug/l |
| 3943 | Nitrobenzene | N.D. | | 1. | ug/l |
| 3944 | Isophorone | N.D. | | 1. | ug/l |
| 3926 | 2-Nitrophenol | N.D. | | 1. | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | | 1. | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | | 1. | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | | 1. | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | | 1. | ug/l |
| 3947 | Naphthalene | 10. | J | 1. | ug/l |
| 3871 | 4-Chloroaniline | N.D. | | 1. | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | | 1. | ug/l |
| 3905 | 2-Methylnaphthalene | 4. | J | 1. | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | 29. | | 1. | ug/l |
| 3907 | 2-Nitroaniline | N.D. | | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 3952 | Dimethylphthalate | N.D. | 2. | ug/l |



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Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3951 | Acenaphthylene | N.D. | 1. | ug/l |

==========

4679 TCL SW846 Semivolatiles/Waters
Poor surrogate recoveries were observed for the GC/MS semivolatile compounds. The analysis was repeated and poor surrogate recoveries were again observed, indicating a significant matrix effect.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3908 | 3-Nitroaniline | N.D. | | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | | 1. | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | | 10. | ug/l |
| 3879 | Dibenzofuran | N.D. | | 1. | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | | 1. | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | | 2. | ug/l |
| 3958 | Diethylphthalate | 4. | J | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | | 1. | ug/l |
| 3956 | Fluorene | N.D. | | 1. | ug/l |
| 3909 | 4-Nitroaniline | N.D. | | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | 2. | J | 1. | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | | 3. | ug/l |
| 3963 | Phenanthrene | 2. | J | 1. | ug/l |
| 3964 | Anthracene | N.D. | | 1. | ug/l |
| 4684 | Carbazole | N.D. | | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | | 2. | ug/l |
| 3966 | Fluoranthene | N.D. | | 1. | ug/l |
| 3967 | Pyrene | N.D. | | 1. | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | | 2. | ug/l |
| 3970 | Benzo(a)anthracene | N.D. | | 1. | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 17. | | 2. | ug/l |
| 3971 | Chrysene | N.D. | | 1. | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | | 1. | ug/l |
| 3976 | Benzo(k)fluoranthene | N.D. | | 1. | ug/l |
| 3977 | Benzo(a)pyrene | N.D. | | 1. | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | | 1. | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | | 1. | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | | 1. | ug/l |

==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3282073 Account: 10160 DAIMLERCHRYSLER CORPORATION

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3288857 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/10/99 Date Reported: NOT REP
Date Collected: 12/09/99

WL0008 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 1316 | AppendixIX Herbicides - Waters | | | |

2,4-D was detected in the method blank associated with this sample at a concentration of .51 ug/l. Since 2,4-D was not detected in the sample, the results were reported.

==========

| | | | | |
|---|---|---|---|---|
| 0288 | 2,4-D | N.D. | 0.095 | ug/l |
| 1314 | Dinoseb | N.D. | 0.047 | ug/l |
| 0289 | 2,4,5-TP | 0.0275 J | 0.0095 | ug/l |
| 1315 | 2,4,5-T | 0.0166 J | 0.0095 | ug/l |

==========

Sample Number: WW3288858 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/10/99 Date Reported: NOT REP
Date Collected:

WLT110999 Trip Blank Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3288857 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/10/99 Date Reported: NOT REP
Date Collected: 12/09/99

WL0008 Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 7.85 | 0.010 | |
| 0259 | Mercury | N.D. | 0.00010 | mg/l |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 151F.
Test flame extinguished at 103F.
Flash point was determined using Pensky Martens closed cup apparatus.
==========

| | | | | |
|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below |

Corrosivity:
The pH of the sample was 7.85 indicating
that the sample is not corrosive.
A sample is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.
==========

| | | | | |
|---|---|---|---|---|
| 0937 | TCL Pesticides in Waters | | | |
| 1600 | Alpha BHC | N.D. | 0.0019 | ug/l |
| 1601 | Beta BHC | N.D. | 0.0019 | ug/l |
| 1603 | Delta BHC | N.D. | 0.0055 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.0019 | ug/l |
| 1604 | Heptachlor | N.D. | 0.0019 | ug/l |
| 1605 | Aldrin | N.D. | 0.0019 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | 0.0019 | ug/l |
| 1616 | Endosulfan I | N.D. | 0.0019 | ug/l |
| 1610 | Dieldrin | N.D. | 0.0038 | ug/l |
| 1607 | DDE | N.D. | 0.0038 | ug/l |
| 1611 | Endrin | N.D. | 0.0038 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.0038 | ug/l |
| 1608 | DDD | 0.0078 J | 0.0038 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 0.0038 | ug/l |
| 1609 | DDT | 0.0143 J | 0.0038 | ug/l |
| 0938 | Endrin Ketone | N.D. | 0.0038 | ug/l |
| 1860 | Methoxychlor | N.D. | 0.019 | ug/l |

| | | | | |
|---|---|---|---|---|
| 1361 | Alpha Chlordane | N.D. | 0.0019 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3288857 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 1362 | Gamma Chlordane | N.D. | 0.0019 | ug/l |
| 1613 | Toxaphene | N.D. | 0.28 | ug/l |
| 1618 | Endrin Aldehyde | N.D. | 0.0038 | ug/l |
| 1619 | PCB-1016 | N.D. | 0.095 | ug/l |
| 1620 | PCB-1221 | N.D. | 0.095 | ug/l |
| 1621 | PCB-1232 | N.D. | 0.095 | ug/l |
| 1622 | PCB-1242 | N.D. | 0.095 | ug/l |
| 1623 | PCB-1248 | N.D. | 0.095 | ug/l |
| 1624 | PCB-1254 | N.D. | 0.095 | ug/l |
| 1626 | PCB-1260 | N.D. | 0.095 | ug/l |

==========

| | | | |
|---|---|---|---|
| 1121 | Reactivity | See Below | See Below |

Reactivity:
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.

==========

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 1751 | Chromium | N.D. | 0.0098 | mg/l |
| 4678 | TCL SW846 Semivolatiles/Waters | | | |
| 3925 | Phenol | N.D. | 0.9 | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | 0.9 | ug/l |
| 3924 | 2-Chlorophenol | N.D. | 0.9 | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | 0.9 | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | 0.9 | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | 0.9 | ug/l |
| 4680 | 2-Methylphenol | N.D. | 0.9 | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | 0.9 | ug/l |
| 4682 | 4-Methylphenol | N.D. | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | 0.9 | ug/l |
| 3941 | Hexachloroethane | N.D. | 0.9 | ug/l |
| 3943 | Nitrobenzene | N.D. | 0.9 | ug/l |
| 3944 | Isophorone | N.D. | 0.9 | ug/l |
| 3926 | 2-Nitrophenol | N.D. | 0.9 | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | 0.9 | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | 0.9 | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | 0.9 | ug/l |

| | | | | |
|---|---|---|---|---|
| 3946 | 1,2,4-Trichlorobenzene | N.D. | 0.9 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3288857 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3947 | Naphthalene | N.D. | 0.9 | ug/l |
| 3871 | 4-Chloroaniline | N.D. | 0.9 | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | 0.9 | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | 0.9 | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | 0.9 | ug/l |
| 3907 | 2-Nitroaniline | N.D. | 2. | ug/l |
| 3952 | Dimethylphthalate | N.D. | 2. | ug/l |
| 3951 | Acenaphthylene | N.D. | 0.9 | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 4679 | TCL SW846 Semivolatiles/Waters | | | |
| 3908 | 3-Nitroaniline | N.D. | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | 0.9 | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 9. | ug/l |
| 3879 | Dibenzofuran | N.D. | 0.9 | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 0.9 | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 0.9 | ug/l |
| 3956 | Fluorene | N.D. | 0.9 | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | 0.9 | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine.
The result reported for N-nitrosodiphenylamine represents the combined
total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | 3. | ug/l |
| 3963 | Phenanthrene | N.D. | 0.9 | ug/l |
| 3964 | Anthracene | N.D. | 0.9 | ug/l |
| 4684 | Carbazole | N.D. | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | 2. | ug/l |
| 3966 | Fluoranthene | N.D. | 0.9 | ug/l |
| 3967 | Pyrene | N.D. | 0.9 | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | 2. | ug/l |
| 3970 | Benzo(a)anthracene | N.D. | 0.9 | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | N.D. | 2. | ug/l |
| 3971 | Chrysene | N.D. | 0.9 | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | 0.9 | ug/l |

| | | | | |
|---|---|---|---|---|
| 3976 | Benzo(k)fluoranthene | N.D. | 0.9 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3288857 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3977 | Benzo(a)pyrene | N.D. | 0.9 | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | 0.9 | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | 0.9 | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | 0.9 | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |
| 5401 | Benzene | N.D. | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5419 | Bromoform | N.D. | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | 7. | ug/l |
| 5409 | Tetrachloroethene | N.D. | 1. | ug/l |
| 5407 | Toluene | N.D. | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | 2. | ug/l |
| 5418 | Styrene | N.D. | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | N.D. | 2. | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 7035 | Arsenic TR | 0.020 | 0.0050 | mg/l |
| 7036 | Selenium TR | N.D. | 0.0044 | mg/l |
| 7046 | Barium TR | 0.205 | 0.00049 | mg/l |
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l |
| 7053 | Copper TR | 0.0725 | 0.0029 | mg/l |
| 7055 | Lead TR | 0.228 | 0.0079 | mg/l |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3290434 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/14/99 Date Reported: NOT REP
Date Collected: 12/13/99

WL41092 Grab Water Sample
Site Code: SC001 RFA# YG0P9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 7.38 | 0.010 | |
| 0259 | Mercury | 0.00021 | 0.00010 | mg/l |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 151F.
Test flame extinguished at 99F.
Flash point was determined using Pensky Martens closed cup apparatus.
==========

| | | | | |
|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below |

Corrosivity:
The pH of the sample was 7.38 indicating
that the sample is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.
==========

0937 TCL Pesticides in Waters
Due to interfering peaks on the chromatogram, the values reported represent
the lowest quantitation limits obtainable.
==========

| | | | | |
|---|---|---|---|---|
| 1600 | Alpha BHC | N.D. | 0.0095 | ug/l |
| 1601 | Beta BHC | N.D. | 0.0095 | ug/l |
| 1603 | Delta BHC | N.D. | 0.047 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.0095 | ug/l |
| 1604 | Heptachlor | N.D. | 0.0095 | ug/l |
| 1605 | Aldrin | N.D. | 0.0095 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | 0.0095 | ug/l |
| 1616 | Endosulfan I | N.D. | 0.20 | ug/l |
| 1610 | Dieldrin | N.D. | 0.019 | ug/l |
| 1607 | DDE | N.D. | 0.019 | ug/l |
| 1611 | Endrin | N.D. | 0.095 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.095 | ug/l |
| 1608 | DDD | N.D. | 0.019 | ug/l |

| | | | | |
|---|---|---|---|---|
| 1617 | Endosulfan Sulfate | N.D. | 0.019 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3290434 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 1609 | DDT | N.D. | 0.0038 | ug/l |
| 0938 | Endrin Ketone | N.D. | 0.019 | ug/l |
| 1860 | Methoxychlor | N.D. | 0.019 | ug/l |
| 1361 | Alpha Chlordane | N.D. | 0.0095 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 0.0095 | ug/l |
| 1613 | Toxaphene | N.D. | 1.4 | ug/l |
| 1618 | Endrin Aldehyde | N.D. | 0.019 | ug/l |
| 1619 | PCB-1016 | N.D. | 0.47 | ug/l |
| 1620 | PCB-1221 | N.D. | 0.47 | ug/l |
| 1621 | PCB-1232 | N.D. | 0.47 | ug/l |
| 1622 | PCB-1242 | N.D. | 0.47 | ug/l |
| 1623 | PCB-1248 | N.D. | 0.47 | ug/l |
| 1624 | PCB-1254 | 5.2 | 0.47 | ug/l |
| 1626 | PCB-1260 | N.D. | 0.47 | ug/l |

==========

| | | | |
|---|---|---|---|
| 1121 | Reactivity | See Below | See Below |

Reactivity:
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.

==========

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 1751 | Chromium | 0.0171 J | 0.0098 | mg/l |
| 4678 | TCL SW846 Semivolatiles/Waters | | | |
| 3925 | Phenol | N.D. | 0.9 | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | 0.9 | ug/l |
| 3924 | 2-Chlorophenol | N.D. | 0.9 | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | 0.9 | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | 0.9 | ug/l |
| 3939 | 1,2-Dichlorobenzene | 1. J | 0.9 | ug/l |
| 4680 | 2-Methylphenol | 2. J | 0.9 | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | 0.9 | ug/l |
| 4682 | 4-Methylphenol | N.D. | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | 0.9 | ug/l |
| 3941 | Hexachloroethane | N.D. | 0.9 | ug/l |
| 3943 | Nitrobenzene | N.D. | 0.9 | ug/l |
| 3944 | Isophorone | N.D. | 0.9 | ug/l |

| | | | | |
|---|---|---|---|---|
| 3926 | 2-Nitrophenol | N.D. | 0.9 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3290434 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 3927 | 2,4-Dimethylphenol | N.D. | 0.9 | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | 0.9 | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | 0.9 | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | 0.9 | ug/l |
| 3947 | Naphthalene | N.D. | 0.9 | ug/l |
| 3871 | 4-Chloroaniline | N.D. | 0.9 | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | 0.9 | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | 0.9 | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | 0.9 | ug/l |
| 3907 | 2-Nitroaniline | N.D. | 2. | ug/l |
| 3952 | Dimethylphthalate | N.D. | 2. | ug/l |
| 3951 | Acenaphthylene | N.D. | 0.9 | ug/l |

==========

4679 TCL SW846 Semivolatiles/Waters

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

==========

| | | | | |
|---|---|---|---|---|
| 3908 | 3-Nitroaniline | N.D. | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | 0.9 | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 9. | ug/l |
| 3879 | Dibenzofuran | N.D. | 0.9 | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 0.9 | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 2. | ug/l |
| 3958 | Diethylphthalate | 3. J | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 0.9 | ug/l |
| 3956 | Fluorene | 1. J | 0.9 | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | 0.9 | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | 3. | ug/l |
| 3963 | Phenanthrene | 3. J | 0.9 | ug/l |
| 3964 | Anthracene | N.D. | 0.9 | ug/l |
| 4684 | Carbazole | N.D. | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | 2. | ug/l |

| | | | | | |
|---|---|---|---|---|---|
| 3966 | Fluoranthene | N.D. | | 0.9 | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3290434 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 3967 | Pyrene | 3. | J | 0.9 | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | | 2. | ug/l |
| 3970 | Benzo(a)anthracene | 1. | J | 0.9 | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 2. | J | 2. | ug/l |
| 3971 | Chrysene | 1. | J | 0.9 | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | | 0.9 | ug/l |
| 3976 | Benzo(k)fluoranthene | N.D. | | 0.9 | ug/l |
| 3977 | Benzo(a)pyrene | N.D. | | 0.9 | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | | 0.9 | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | | 0.9 | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | | 0.9 | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | | |
| 5385 | Chloromethane | N.D. | | 3. | ug/l |
| 5387 | Bromomethane | N.D. | | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | | 2. | ug/l |
| 5388 | Chloroethane | N.D. | | 3. | ug/l |
| 5391 | Methylene Chloride | 12. | | 2. | ug/l |
| 6302 | Acetone | 24. | | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | 2. | J | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | 16. | | 2. | ug/l |
| 5396 | Chloroform | 1. | J | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | 7. | J | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | 60. | | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | 4. | J | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | | 7. | ug/l |
| 5409 | Tetrachloroethene | 7. | | 1. | ug/l |
| 5407 | Toluene | 29. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | 9. | | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |

| | | | | |
|---|---|---|---|---|
| 5395 | cis-1,2-Dichloroethene | N.D. | 2. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3290434 Account: 10160 DAIMLERCHRYSLER CORPORATION

==========

| | | | | |
|---|---|---|---|---|
| 7035 | Arsenic TR | 0.0087 J | 0.0050 | mg/l |
| 7036 | Selenium TR | N.D. | 0.0044 | mg/l |
| 7046 | Barium TR | 0.0778 | 0.00049 | mg/l |
| 7049 | Cadmium TR | 0.0070 | 0.00081 | mg/l |
| 7053 | Copper TR | 0.201 | 0.0029 | mg/l |
| 7055 | Lead TR | 0.264 | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 0.456 | 0.0030 | mg/l |

Frac Tank #4109, second load, second sample
==========

Sample Number: WW3290435 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/14/99 Date Reported: NOT REP
Date Collected: 12/14/99

Storage Blank Water Sample
Site Code: SC001 RFA# YG0P9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | 2. | ug/l |
| 6302 | Acetone | N.D. | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | N.D. | 2. | ug/l |
| 5396 | Chloroform | N.D. | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | N.D. | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | 1. | ug/l |
| 5403 | Trichloroethene | N.D. | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | 2. | ug/l |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3290434 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/14/99 Date Reported: NOT REP
Date Collected: 12/13/99

WL41092 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0259 | Mercury | 0.00021 | 0.00010 | mg/l |

Frac Tank #4109, second load, second sample
==========

Sample Number: WW3290435 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/14/99 Date Reported: NOT REP
Date Collected: 12/14/99

Storage Blank Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

Sample Number: WW3290436 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/14/99 Date Reported: NOT REP
Date Collected: 12/13/99

Trip Blank Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3290434 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/14/99 Date Reported: NOT REP
Date Collected: 12/13/99

WL41092 Grab Water Sample
Site Code: SC001 RFA# YGQP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 7.38 | 0.010 | |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 151F.
Test flame extinguished at 99F.
Flash point was determined using Pensky Martens closed cup apparatus.
==========

| | | | | |
|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below |

Corrosivity:
The pH of the sample was 7.38 indicating
that the sample is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.
==========

| | | | | |
|---|---|---|---|---|
| 1121 | Reactivity | See Below | | See Below |

Reactivity:
The sample was extracted by the interim method described in SW 846,
Chapter 7.3. This solution was analyzed for cyanide and sulfide.
This waste is not considered reactive and hazardous because it does
not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or
hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were
established by the Solid Waste Branch of EPA, July, 1992. These results
do not reflect total cyanide or total sulfide.
==========

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1123 | Cyanide (Reactivity) | N.D. | 100. | mg/kg |
| 1751 | Chromium | 0.0171 J | 0.0098 | mg/l |
| 6291 | TCL by 8260 (water) | | | |
| 5385 | Chloromethane | N.D. | 3. | ug/l |
| 5387 | Bromomethane | N.D. | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | 2. | ug/l |
| 5388 | Chloroethane | N.D. | 3. | ug/l |

| | | | | |
|---|---|---|---|---|
| 5391 | Methylene Chloride | 12. | 2. | ug/l |



***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3290434 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 6302 | Acetone | 24. | | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | 2. | J | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | 16. | | 2. | ug/l |
| 5396 | Chloroform | 1. | J | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | 7. | J | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | 60. | | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | 4. | J | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | | 7. | ug/l |
| 5409 | Tetrachloroethene | 7. | | 1. | ug/l |
| 5407 | Toluene | 29. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | 9. | | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | N.D. | | 2. | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 7035 | Arsenic TR | 0.0087 | J | 0.0050 | mg/l |
| 7036 | Selenium TR | N.D. | | 0.0044 | mg/l |
| 7046 | Barium TR | 0.0778 | | 0.00049 | mg/l |
| 7049 | Cadmium TR | 0.0070 | | 0.00081 | mg/l |
| 7053 | Copper TR | 0.201 | | 0.0029 | mg/l |
| 7055 | Lead TR | 0.264 | | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | | 0.0017 | mg/l |
| 7072 | Zinc TR | 0.456 | | 0.0030 | mg/l |

Frac Tank #4109, second load, second sample
==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3295777 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/21/99 Date Reported: NOT REP
Date Collected: 12/20/99

WL2611 Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 7.58 | 0.010 | |
| 0259 | Mercury | 0.00321 | 0.00010 | mg/l |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 155F.
Test flame extinguished at 133F.
Flash point was determined using Pensky Martens closed cup apparatus.
==========

| | | | | |
|---|---|---|---|---|
| 0496 | Corrosivity | See Below | | See Below |

Corrosivity:
The pH of the sample was 7.58 indicating that the sample is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.
==========

0937 TCL Pesticides in Waters
Due to the nature of the sample matrix, a reduced aliquot was used
for analysis. The Limits of Quantitation (LOQ's) were raised accordingly.
==========

| | | | | |
|---|---|---|---|---|
| 1600 | Alpha BHC | N.D. | 0.0094 | ug/l |
| 1601 | Beta BHC | N.D. | 0.0094 | ug/l |
| 1603 | Delta BHC | N.D. | 0.047 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.0094 | ug/l |
| 1604 | Heptachlor | N.D. | 0.0094 | ug/l |
| 1605 | Aldrin | N.D. | 0.0094 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | 0.047 | ug/l |
| 1616 | Endosulfan I | N.D. | 0.0094 | ug/l |
| 1610 | Dieldrin | N.D. | 0.019 | ug/l |
| 1607 | DDE | N.D. | 0.20 | ug/l |
| 1611 | Endrin | N.D. | 0.019 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.019 | ug/l |
| 1608 | DDD | N.D. | 0.019 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 0.019 | ug/l |

| | | | | |
|---|---|---|---|---|
| 1609 | DDT | N.D. | 0.019 | ug/l |



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Sample Number: WW3295777 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 0938 | Endrin Ketone | N.D. | 0.019 | ug/l |
| 1860 | Methoxychlor | N.D. | 0.094 | ug/l |
| 1361 | Alpha Chlordane | N.D. | 0.047 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 0.0094 | ug/l |
| 1613 | Toxaphene | N.D. | 1.4 | ug/l |
| 1618 | Endrin Aldehyde | N.D. | 0.019 | ug/l |
| 1619 | PCB-1016 | N.D. | 0.47 | ug/l |
| 1620 | PCB-1221 | N.D. | 0.47 | ug/l |
| 1621 | PCB-1232 | N.D. | 0.47 | ug/l |
| 1622 | PCB-1242 | N.D. | 0.47 | ug/l |
| 1623 | PCB-1248 | N.D. | 0.47 | ug/l |
| 1624 | PCB-1254 | 3.3 | 0.47 | ug/l |
| 1626 | PCB-1260 | N.D. | 0.47 | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 1121 | Reactivity | See Below | | See Below |

Reactivity:
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.

==========

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |
| 1316 | AppendixIX Herbicides - Waters | | | |

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

==========

| | | | | |
|---|---|---|---|---|
| 0288 | 2,4-D | 1.86 | 0.095 | ug/l |
| 1314 | Dinoseb | N.D. | 0.047 | ug/l |
| 0289 | 2,4,5-TP | 0.0471 J | 0.0095 | ug/l |
| 1315 | 2,4,5-T | 0.563 | 0.0095 | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 1751 | Chromium | 0.214 | 0.0098 | mg/l |
| 4678 | TCL SW846 Semivolatiles/Waters | | | |
| 3925 | Phenol | 130. | 0.9 | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | 0.9 | ug/l |
| 3924 | 2-Chlorophenol | N.D. | 0.9 | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | 0.9 | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | 0.9 | ug/l |

| | | | | |
|---|---|---|---|---|
| 3939 | 1,2-Dichlorobenzene | N.D. | 0.9 | ug/l |



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2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3295777 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | |
|---|---|---|---|---|
| 4680 | 2-Methylphenol | N.D. | 0.9 | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | 0.9 | ug/l |
| 4682 | 4-Methylphenol | N.D. | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | |
|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | 0.9 | ug/l |
| 3941 | Hexachloroethane | N.D. | 0.9 | ug/l |
| 3943 | Nitrobenzene | N.D. | 0.9 | ug/l |
| 3944 | Isophorone | N.D. | 0.9 | ug/l |
| 3926 | 2-Nitrophenol | N.D. | 0.9 | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | 0.9 | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | 0.9 | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | 0.9 | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | 0.9 | ug/l |
| 3947 | Naphthalene | N.D. | 0.9 | ug/l |
| 3871 | 4-Chloroaniline | N.D. | 0.9 | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | 13. | 0.9 | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | 0.9 | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | 3. J | 0.9 | ug/l |
| 3907 | 2-Nitroaniline | N.D. | 2. | ug/l |
| 3952 | Dimethylphthalate | N.D. | 2. | ug/l |
| 3951 | Acenaphthylene | N.D. | 0.9 | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 4679 | TCL SW846 Semivolatiles/Waters | | | |
| 3908 | 3-Nitroaniline | N.D. | 2. | ug/l |
| 3954 | Acenaphthene | N.D. | 0.9 | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | 9. | ug/l |
| 3879 | Dibenzofuran | N.D. | 0.9 | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | 0.9 | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | 0.9 | ug/l |
| 3956 | Fluorene | N.D. | 0.9 | ug/l |
| 3909 | 4-Nitroaniline | N.D. | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | 0.9 | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.

==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: WW3295777 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | | 3. | ug/l |
| 3963 | Phenanthrene | 4. | J | 0.9 | ug/l |
| 3964 | Anthracene | N.D. | | 0.9 | ug/l |
| 4684 | Carbazole | N.D. | | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | | 2. | ug/l |
| 3966 | Fluoranthene | 5. | J | 0.9 | ug/l |
| 3967 | Pyrene | 4. | J | 0.9 | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | | 2. | ug/l |
| 3970 | Benzo(a)anthracene | 2. | J | 0.9 | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | N.D. | | 2. | ug/l |
| 3971 | Chrysene | 2. | J | 0.9 | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | 2. | J | 0.9 | ug/l |
| 3976 | Benzo(k)fluoranthene | 1. | J | 0.9 | ug/l |
| 3977 | Benzo(a)pyrene | 2. | J | 0.9 | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | 1. | J | 0.9 | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | | 0.9 | ug/l |
| 3980 | Benzo(g,h,i)perylene | 1. | J | 0.9 | ug/l |

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| | | | | | |
|---|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | | |
| 5385 | Chloromethane | N.D. | | 3. | ug/l |
| 5387 | Bromomethane | N.D. | | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | | 2. | ug/l |
| 5388 | Chloroethane | N.D. | | 3. | ug/l |
| 5391 | Methylene Chloride | 6. | | 2. | ug/l |
| 6302 | Acetone | 13. | J | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | 2. | J | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | 10. | | 2. | ug/l |
| 5396 | Chloroform | N.D. | | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | 35. | | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | 2. | J | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | | 5. | ug/l |

| | | | | | |
|---|---|---|---|---|---|
| 6309 | 2-Hexanone | N.D. | | 7. | ug/l |



***** Lancaster Laboratories Analytical Report *****
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Sample Number: WW3295777 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 5409 | Tetrachloroethene | 4. | J | 1. | ug/l |
| 5407 | Toluene | 12. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | 5. | J | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | N.D. | | 2. | ug/l |

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| | | | | | |
|---|---|---|---|---|---|
| 7035 | Arsenic TR | N.D. | | 0.0050 | mg/l |
| 7036 | Selenium TR | N.D. | | 0.0044 | mg/l |
| 7046 | Barium TR | 0.175 | | 0.00049 | mg/l |
| 7049 | Cadmium TR | 0.0063 | | 0.00081 | mg/l |
| 7053 | Copper TR | 0.204 | | 0.0029 | mg/l |
| 7055 | Lead TR | 0.252 | | 0.0079 | mg/l |
| 7066 | Silver TR | 0.0021 | J | 0.0017 | mg/l |
| 7072 | Zinc TR | 0.962 | | 0.0030 | mg/l |

Sample Number: WW3295778 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/21/99 Date Reported: NOT REP
Date Collected: 12/20/99

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WL41141 Grab Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0200 | pH | 7.91 | 0.010 | |
| 0259 | Mercury | 0.00021 | 0.00010 | mg/l |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F |

No flash observed below 165F.
Test flame extinguished at 145F.
Flash point was determined using Pensky Martens closed cup apparatus.

==========

| | | | |
|---|---|---|---|
| 0496 | Corrosivity | See Below | See Below |

Corrosivity:
The pH of the sample was 7.91 indicating that the sample is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.

==========

0937 TCL Pesticides in Waters
Due to the nature of the sample matrix, a reduced aliquot was used

or analysis. The Limits of Quantitation (LOQ's) were raised accordingly.



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Sample Number: WW3295778 Account: 10160 DAIMLERCHRYSLER CORPORATION

==========

| | | | | | |
|---|---|---|---|---|---|
| 1600 | Alpha BHC | N.D. | | 0.0095 | ug/l |
| 1601 | Beta BHC | N.D. | | 0.0095 | ug/l |
| 1603 | Delta BHC | N.D. | | 0.047 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | | 0.0095 | ug/l |
| 1604 | Heptachlor | N.D. | | 0.0095 | ug/l |
| 1605 | Aldrin | N.D. | | 0.0095 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | | 0.0095 | ug/l |
| 1616 | Endosulfan I | N.D. | | 0.0095 | ug/l |
| 1610 | Dieldrin | N.D. | | 0.019 | ug/l |
| 1607 | DDE | N.D. | | 0.095 | ug/l |
| 1611 | Endrin | N.D. | | 0.095 | ug/l |
| 1615 | Endosulfan II | N.D. | | 0.019 | ug/l |
| 1608 | DDD | N.D. | | 0.019 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | | 0.019 | ug/l |
| 1609 | DDT | N.D. | | 0.019 | ug/l |
| 0938 | Endrin Ketone | N.D. | | 0.019 | ug/l |
| 1860 | Methoxychlor | N.D. | | 0.095 | ug/l |
| 1361 | Alpha Chlordane | N.D. | | 0.0095 | ug/l |
| 1362 | Gamma Chlordane | N.D. | | 0.0095 | ug/l |
| 1613 | Toxaphene | N.D. | | 1.4 | ug/l |
| 1618 | Endrin Aldehyde | N.D. | | 0.019 | ug/l |
| 1619 | PCB-1016 | N.D. | | 0.48 | ug/l |
| 1620 | PCB-1221 | N.D. | | 0.48 | ug/l |
| 1621 | PCB-1232 | N.D. | | 0.48 | ug/l |
| 1622 | PCB-1242 | N.D. | | 0.48 | ug/l |
| 1623 | PCB-1248 | N.D. | | 0.48 | ug/l |
| 1624 | PCB-1254 | 2.19 | J | 0.48 | ug/l |
| 1626 | PCB-1260 | N.D. | | 0.48 | ug/l |

==========

1121 Reactivity See Below See Below

Reactivity:
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.

==========

1122 Sulfide (Reactivity) N.D. 39. mg/kg

1316 AppendixIX Herbicides - Waters

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

Sufficient sample volume was not available to perform a MS/MSD for this

nalysis. Therefore, a LCS/LCSD was performed to demonstrate precision and





accuracy at a batch level.

==========

| | | | | | |
|---|---|---|---|---|---|
| 0288 | 2,4-D . | 0.244 | J | 0.095 | ug/l |
| 1314 | Dinoseb | N.D. | | 0.047 | ug/l |
| 0289 | 2,4,5-TP | 0.345 | | 0.0095 | ug/l |
| 1315 | 2,4,5-T | 0.075 | | 0.0095 | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 1751 | Chromium | N.D. | | 0.0098 | mg/l |
| 4678 | TCL SW846 Semivolatiles/Waters | | | | |
| 3925 | Phenol | N.D. | | 0.9 | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | | 0.9 | ug/l |
| 3924 | 2-Chlorophenol | N.D. | | 0.9 | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 4680 | 2-Methylphenol | N.D. | | 0.9 | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | | 0.9 | ug/l |
| 4682 | 4-Methylphenol | N.D. | | 3. | ug/l |

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3942 | N-Nitroso-di-n-propylamine | N.D. | | 0.9 | ug/l |
| 3941 | Hexachloroethane | N.D. | | 0.9 | ug/l |
| 3943 | Nitrobenzene | N.D. | | 0.9 | ug/l |
| 3944 | Isophorone | N.D. | | 0.9 | ug/l |
| 3926 | 2-Nitrophenol | N.D. | | 0.9 | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | | 0.9 | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | | 0.9 | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | | 0.9 | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | | 0.9 | ug/l |
| 3947 | Naphthalene | N.D. | | 0.9 | ug/l |
| 3871 | 4-Chloroaniline | N.D. | | 0.9 | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | | 0.9 | ug/l |
| 3905 | 2-Methylnaphthalene | N.D. | | 0.9 | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | 2. | J | 0.9 | ug/l |
| 3907 | 2-Nitroaniline | N.D. | | 2. | ug/l |
| 3952 | Dimethylphthalate | N.D. | | 2. | ug/l |
| 3951 | Acenaphthylene | N.D. | | 0.9 | ug/l |

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4679 TCL SW846 Semivolatiles/Waters

| | | | | |
|---|---|---|---|---|
| 3908 | 3-Nitroaniline | N.D. | 2. | ug/l |



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Sample Number: WW3295778 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 3954 | Acenaphthene | N.D. | | 0.9 | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | | 9. | ug/l |
| 3879 | Dibenzofuran | N.D. | | 0.9 | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | | 0.9 | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | | 0.9 | ug/l |
| 3956 | Fluorene | N.D. | | 0.9 | ug/l |
| 3909 | 4-Nitroaniline | N.D. | | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | N.D. | | 0.9 | ug/l |

N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine.
The result reported for N-nitrosodiphenylamine represents the combined
total of both compounds.

==========

| | | | | | |
|---|---|---|---|---|---|
| 3961 | 4-Bromophenyl-phenylether | N.D. | | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | | 3. | ug/l |
| 3963 | Phenanthrene | N.D. | | 0.9 | ug/l |
| 3964 | Anthracene | N.D. | | 0.9 | ug/l |
| 4684 | Carbazole | N.D. | | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | | 2. | ug/l |
| 3966 | Fluoranthene | N.D. | | 0.9 | ug/l |
| 3967 | Pyrene | N.D. | | 0.9 | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | | 2. | ug/l |
| 3970 | Benzo(a)anthracene | N.D. | | 0.9 | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | N.D. | | 2. | ug/l |
| 3971 | Chrysene | N.D. | | 0.9 | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | N.D. | | 0.9 | ug/l |
| 3976 | Benzo(k)fluoranthene | N.D. | | 0.9 | ug/l |
| 3977 | Benzo(a)pyrene | N.D. | | 0.9 | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | N.D. | | 0.9 | ug/l |
| 3979 | Dibenz(a,h)anthracene | N.D. | | 0.9 | ug/l |
| 3980 | Benzo(g,h,i)perylene | N.D. | | 0.9 | ug/l |

==========

| | | | | | |
|---|---|---|---|---|---|
| 6291 | TCL by 8260 (Water) | | | | |
| 5385 | Chloromethane | N.D. | | 3. | ug/l |
| 5387 | Bromomethane | N.D. | | 3. | ug/l |
| 5386 | Vinyl Chloride | N.D. | | 2. | ug/l |
| 5388 | Chloroethane | N.D. | | 3. | ug/l |
| 5391 | Methylene Chloride | 6. | | 2. | ug/l |
| 6302 | Acetone | 11. | J | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | 1. | J | 1. | ug/l |

| | | | | |
|---|---|---|---|---|
| 5393 | 1,1-Dichloroethane | 6. | 2. | ug/l |



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Sample Number: WW3295778 Account: 10160 DAIMLERCHRYSLER CORPORATION

| | | | | | |
|---|---|---|---|---|---|
| 5396 | Chloroform | N.D. | | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | 4. | J | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | 22. | | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | 2. | J | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | | 7. | ug/l |
| 5409 | Tetrachloroethene | 2. | J | 1. | ug/l |
| 5407 | Toluene | N.D. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | N.D. | | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | N.D. | | 2. | ug/l |

==========

| | | | | |
|---|---|---|---|---|
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l |
| 7036 | Selenium TR | N.D. | 0.0044 | mg/l |
| 7046 | Barium TR | 0.0811 | 0.00049 | mg/l |
| 7049 | Cadmium TR | 0.0025 | 0.00081 | mg/l |
| 7053 | Copper TR | 0.0297 | 0.0029 | mg/l |
| 7055 | Lead TR | 0.072 | 0.0079 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 0.843 | 0.0030 | mg/l |

Sample Number: WW3295779 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/21/99 Date Reported: NOT REP
Date Collected:

WLT122099 Trip Blank Water Sample
Site Code: SC001 RFA# YGOP9900271
Dayton Thermal/Dayton, OH

| ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|

-. Dayton RFA & IDR

| ID | DATESAMP | ANLYZD | RECVD | # days to analyze | PARAMETER | RESULT | QUAL | UNITS | METHOD |
|---|---|---|---|---|---|---|---|---|---|
| WL41011 | 11/23/1999 | 11/30/1999 | 11/24/1999 | 6 | pH | 7.43 | | | EPA 150.1 |
| WL41011 | 11/23/1999 | 11/30/1999 | 11/24/1999 | 6 | Mercury | 0.0001 | U | MG/L | SW-846 7470A |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Flash Point for Liquids | No Flash Obser | | DEGR | ASTM D 93-90 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Endrin Ketone | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Alpha Chlordane | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Gamma Chlordane | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Alpha BHC | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Beta BHC | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Gamma BHC - Lindar | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Delta BHC | 0.11 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Heptachlor | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Aldrin | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Heptachlor Epoxide | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | DDE | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | DDD | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | DDT | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Dieldrin | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Endrin | 0.7 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Toxaphene | 5.7 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Endosulfan II | 0.38 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Endosulfan I | 0.038 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Endosulfan Sulfate | 0.076 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Endrin Aldehyde | 0.173 | J | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | PCB-1016 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | PCB-1221 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | PCB-1232 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | PCB-1242 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | PCB-1248 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | PCB-1254 | 52.7 | | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | PCB-1260 | 1.9 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Methoxychlor | 0.38 | U | UG/L | SW-846 8081A/8082 |
| WL41011 | 11/23/1999 | 11/30/1999 | 11/24/1999 | 6 | Sulfide (Reactivity) | 39 | U | MG/K( | SW-846 9034 |
| WL41011 | 11/23/1999 | 12/01/1999 | 11/24/1999 | 7 | Cyanide (Reactivity) | 97 | U | MG/K( | SW-846 9012 |
| WL41011 | 11/23/1999 | 12/01/1999 | 11/24/1999 | 7 | 2,4-D | 0.183 | J | UG/L | SW-846 8151A |
| WL41011 | 11/23/1999 | 12/01/1999 | 11/24/1999 | 7 | 2,4,5-TP | 0.0095 | U | UG/L | SW-846 8151A |
| WL41011 | 11/23/1999 | 12/01/1999 | 11/24/1999 | 7 | Dinoseb | 0.26 | | UG/L | SW-846 8151A |
| WL41011 | 11/23/1999 | 12/01/1999 | 11/24/1999 | 7 | 2,4,5-T | 0.101 | | UG/L | SW-846 8151A |
| WL41011 | 11/23/1999 | 12/01/1999 | 11/24/1999 | 7 | Chromium | 0.032 | | MG/L | SW-846 6010B |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 4-Chloroaniline | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2-Methylnaphthalene | 5 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2,4,5-Trichlorophenol | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2-Chlorophenol | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Phenol | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2-Nitrophenol | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2,4-Dimethylphenol | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2,4-Dichlorophenol | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 4-Chloro-3-methylphe | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2,4,6-Trichlorophenol | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | bis(2-Chloroethyl)ethe | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 1,3-Dichlorobenzene | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 1,4-Dichlorobenzene | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 1,2-Dichlorobenzene | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Hexachloroethane | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | N-Nitroso-di-n-propyla | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Nitrobenzene | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Isophorone | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | bis(2-Chloroethoxy)m | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 1,2,4-Trichlorobenzen | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Naphthalene | 1 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Hexachlorobutadiene | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Hexachlorocyclopenta | 5 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2-Chloronaphthalene | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Acenaphthylene | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Dimethylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2-Methylphenol | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2,2'-oxybis(1-Chloropr | 0.9 | U | UG/L | SW-846 8270C |

Pest/1

PCB

Herb

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 4-Methylphenol | 3 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Dibenzofuran | 1 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 3-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 4-Nitroaniline | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2,4-Dinitrophenol | 19 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 4-Nitrophenol | 9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 4,6-Dinitro-2-methylph | 5 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Pentachlorophenol | 3 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2,6-Dinitrotoluene | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Acenaphthene | 2 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 2,4-Dinitrotoluene | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Fluorene | 2 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 4-Chlorophenyl-phenyl | 0.9 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Diethylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | N-Nitrosodiphenylamin | 1 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 4-Bromophenyl-phenyl | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Hexachlorobenzene | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Phenanthrene | 17 | | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Anthracene | 2 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Di-n-butylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Fluoranthene | 24 | | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Pyrene | 22 | | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Butylbenzylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Benzo(a)anthracene | 11 | | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Chrysene | 14 | | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | 3,3'-Dichlorobenzidine | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | bis(2-Ethylhexyl)phtha | 5 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Di-n-octylphthalate | 2 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Benzo(b)fluoranthene | 10 | | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Benzo(k)fluoranthene | 10 | | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Benzo(a)pyrene | 10 | | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Indeno(1,2,3-cd)pyren | 5 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Dibenz(a,h)anthracen | 2 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Benzo(g,h,i)perylene | 6 | J | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Carbazole | 3 | U | UG/L | SW-846 8270C |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Chloromethane | 3 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Vinyl Chloride | 160 | | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Bromomethane | 3 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Chloroethane | 3 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 1,1-Dichloroethene | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Methylene Chloride | 2 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | trans-1,2-Dichloroethe | 2 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 1,1-Dichloroethane | 8 | | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | cis-1,2-Dichloroethene | 110 | | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Chloroform | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 1,1,1-Trichloroethane | 3 | J | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Carbon Tetrachloride | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Benzene | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 1,2-Dichloroethane | 2 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Trichloroethene | 4 | J | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 1,2-Dichloropropane | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Bromodichloromethan | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Toluene | 2 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 1,1,2-Trichloroethane | 2 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Tetrachloroethene | 9 | | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Dibromochloromethan | 2 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Chlorobenzene | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Ethylbenzene | 2 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Styrene | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Bromoform | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 1,1,2,2-Tetrachloroeth | 2 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Acetone | 21 | | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Carbon Disulfide | 3 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 2-Butanone | 3 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | trans-1,3-Dichloroprop | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | cis-1,3-Dichloropropen | 1 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 4-Methyl-2-pentanone | 5 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | 2-Hexanone | 7 | U | UG/L | SW-846 8260B |
| WL41011 | 11/23/1999 | 11/28/1999 | 11/24/1999 | 4 | Xylene (Total) | 4 | J | UG/L | SW-846 8260B |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| WL41011 | 11/23/1999 | 11/30/1999 | 11/24/1999 | 6 | Arsenic TR | 0.005 | U | MG/L | SW-846 6010B |
| WL41011 | 11/23/1999 | 11/30/1999 | 11/24/1999 | 6 | Selenium TR | 0.0044 | U | MG/L | SW-846 6010B |
| WL41011 | 11/23/1999 | 11/30/1999 | 11/24/1999 | 6 | Barium TR | 0.0628 | | MG/L | SW-846 6010B |
| WL41011 | 11/23/1999 | 11/30/1999 | 11/24/1999 | 6 | Cadmium TR | 0.0008 | U | MG/L | SW-846 6010B |
| WL41011 | 11/23/1999 | 12/01/1999 | 11/24/1999 | 7 | Copper TR | 0.0126 | | MG/L | SW-846 6010B |
| WL41011 | 11/23/1999 | 12/01/1999 | 11/24/1999 | 7 | Lead TR | 0.113 | | MG/L | SW-846 6010B |
| WL41011 | 11/23/1999 | 11/30/1999 | 11/24/1999 | 6 | Silver TR | 0.0019 | J | MG/L | SW-846 6010B |
| WL41011 | 11/23/1999 | 12/01/1999 | 11/24/1999 | 7 | Zinc TR | 0.45 | | MG/L | SW-846 6010B |

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DEC 17 1999

**LLI Sample No. WW 3279351**
Collected: 11/23/99 at 18:00 by DD

Account No: I0160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900272

Submitted: 11/24/99 Reported: 12/06/99
Discard: 02/05/00

WL41011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH
41011 SDG#: DCC64-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS | |
|---|---|---|---|---|---|
| 6291 | TCL by 8260 (water) | | | See Page | 2 |
| 1751 | Chromium | 0.032 | 0.0098 | mg/l | |
| 7035 | Arsenic TR | N.D. | 0.0050 | mg/l | |
| 7036 | Selenium TR | N.D. | 0.0044 | mg/l | |
| 7046 | Barium TR | 0.0628 | 0.00049 | mg/l | |
| 7049 | Cadmium TR | N.D. | 0.00081 | mg/l | |
| 7053 | Copper TR | 0.0126 | 0.0029 | mg/l | |
| 7055 | Lead TR | 0.113 | 0.0079 | mg/l | |
| 7066 | Silver TR | 0.0019 J | 0.0017 | mg/l | |
| 7072 | Zinc TR | 0.450 | 0.0030 | mg/l | |
| 0259 | Mercury | N.D. | 0.00010 | mg/l | |
| 0937 | TCL Pesticides in Waters | | | See Page | 3 |
| 1316 | AppendixIX Herbicides - Waters | | | See Page | 5 |
| 4678 | TCL SW846 Semivolatiles/Waters | | | See Page | 6 |
| 4679 | TCL SW846 Semivolatiles/Waters | | | See Page | 7 |
| 1123 | Cyanide (Reactivity) | N.D. | 97. | mg/kg | |
| 0200 | pH | 7.43 | 0.010 | | |
| 0430 | Flash Point for Liquids | No Flash Observed | | Degrees F | |

No flash observed below 150F.
Test flame extinguished at 105F.
Flash point was determined using Pensky Martens closed cup apparatus.

0496 Corrosivity — See Below — See Below

Corrosivity:
The pH of the sample was 7.43 indicating that the sample is not corrosive.
A waste is corrosive if it exhibits a pH equal to or less than 2
or equal to or greater than 12.5.

1121 Reactivity — See Below — See Below

Reactivity:
The sample was extracted by the interim method described in SW 846,
Chapter 7.3. This solution was analyzed for cyanide and sulfide.
This waste is not considered reactive and hazardous because it does
not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or
hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were
established by the Solid Waste Branch of EPA, July, 1992. These results
do not reflect total cyanide or total sulfide.

| | | | | |
|---|---|---|---|---|
| 1122 | Sulfide (Reactivity) | N.D. | 39. | mg/kg |

1 COPY TO Leggette, Brashears & Graham ATTN: Mr. Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300
22:12:36 D 0001 3 139743 692979
320 0.00 00168600 ASR000

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

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**LLI Sample No. WW 3279351**
Collected: 11/23/99 at 18:00 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900272

Submitted: 11/24/99 Reported: 12/06/99
Discard: 02/05/00

WL41011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH
41011 SDG#: DCC64-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| TCL by 8260 (water) | | | | | |
| 5385 | Chloromethane | N.D. | | 3. | ug/l |
| 5387 | Bromomethane | N.D. | | 3. | ug/l |
| 5386 | Vinyl Chloride | 160. | | 2. | ug/l |
| 5388 | Chloroethane | N.D. | | 3. | ug/l |
| 5391 | Methylene Chloride | N.D. | | 2. | ug/l |
| 6302 | Acetone | 21. | | 6. | ug/l |
| 6303 | Carbon Disulfide | N.D. | | 3. | ug/l |
| 5390 | 1,1-Dichloroethene | N.D. | | 1. | ug/l |
| 5393 | 1,1-Dichloroethane | 8. | | 2. | ug/l |
| 5396 | Chloroform | N.D. | | 1. | ug/l |
| 5402 | 1,2-Dichloroethane | N.D. | | 2. | ug/l |
| 6305 | 2-Butanone | N.D. | | 3. | ug/l |
| 5398 | 1,1,1-Trichloroethane | 3. | J | 1. | ug/l |
| 5399 | Carbon Tetrachloride | N.D. | | 1. | ug/l |
| 5406 | Bromodichloromethane | N.D. | | 1. | ug/l |
| 5421 | 1,1,2,2-Tetrachloroethane | N.D. | | 2. | ug/l |
| 5404 | 1,2-Dichloropropane | N.D. | | 1. | ug/l |
| 6306 | trans-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5403 | Trichloroethene | 4. | J | 1. | ug/l |
| 5411 | Dibromochloromethane | N.D. | | 2. | ug/l |
| 5408 | 1,1,2-Trichloroethane | N.D. | | 2. | ug/l |
| 5401 | Benzene | N.D. | | 1. | ug/l |
| 6307 | cis-1,3-Dichloropropene | N.D. | | 1. | ug/l |
| 5419 | Bromoform | N.D. | | 1. | ug/l |
| 6308 | 4-Methyl-2-pentanone | N.D. | | 5. | ug/l |
| 6309 | 2-Hexanone | N.D. | | 7. | ug/l |
| 5409 | Tetrachloroethene | 9. | | 1. | ug/l |
| 5407 | Toluene | N.D. | | 2. | ug/l |
| 5413 | Chlorobenzene | N.D. | | 1. | ug/l |
| 5415 | Ethylbenzene | N.D. | | 2. | ug/l |
| 5418 | Styrene | N.D. | | 1. | ug/l |
| 6310 | Xylene (Total) | 4. | J | 1. | ug/l |
| 5392 | trans-1,2-Dichloroethene | N.D. | | 2. | ug/l |
| 5395 | cis-1,2-Dichloroethene | 110. | | 2. | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Duane A. Luckenbill, B.S.
Group Leader, GC/MS Volatiles

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*Where quality is a science.*



**LLI Sample No. WW 3279351**
Collected: 11/23/99 at 18:00 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900272

Submitted: 11/24/99 Reported: 12/06/99
Discard: 02/05/00

WL41011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH
41011 SDG#: DCC64-01

AS RECEIVED

| CAT NO. | ANALYSIS NAME | RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| TCL Pesticides in Waters | | | | |
| 1600 | Alpha BHC | N.D. | 0.038 | ug/l |
| 1601 | Beta BHC | N.D. | 0.038 | ug/l |
| 1603 | Delta BHC | N.D. | 0.11 | ug/l |
| 1602 | Gamma BHC - Lindane | N.D. | 0.038 | ug/l |
| 1604 | Heptachlor | N.D. | 0.038 | ug/l |
| 1605 | Aldrin | N.D. | 0.038 | ug/l |
| 1606 | Heptachlor Epoxide | N.D. | 0.038 | ug/l |
| 1616 | Endosulfan I | N.D. | 0.038 | ug/l |
| 1610 | Dieldrin | N.D. | 0.076 | ug/l |
| 1607 | DDE | N.D. | 0.076 | ug/l |
| 1611 | Endrin | N.D. | 0.70 | ug/l |
| 1615 | Endosulfan II | N.D. | 0.38 | ug/l |
| 1608 | DDD | N.D. | 0.076 | ug/l |
| 1617 | Endosulfan Sulfate | N.D. | 0.076 | ug/l |
| 1609 | DDT | N.D. | 0.076 | ug/l |
| 0938 | Endrin Ketone | N.D. | 0.076 | ug/l |
| 1860 | Methoxychlor | N.D. | 0.38 | ug/l |
| 1361 | Alpha Chlordane | N.D. | 0.038 | ug/l |
| 1362 | Gamma Chlordane | N.D. | 0.038 | ug/l |
| 1613 | Toxaphene | N.D. | 5.7 | ug/l |
| 1618 | Endrin Aldehyde | 0.173 J | 0.076 | ug/l |
| 1619 | PCB-1016 | N.D. | 1.9 | ug/l |
| 1620 | PCB-1221 | N.D. | 1.9 | ug/l |
| 1621 | PCB-1232 | N.D. | 1.9 | ug/l |
| 1622 | PCB-1242 | N.D. | 1.9 | ug/l |
| 1623 | PCB-1248 | N.D. | 1.9 | ug/l |
| 1624 | PCB-1254 | 52.7 | 1.9 | ug/l |
| 1626 | PCB-1260 | N.D. | 1.9 | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

Lancaster Laboratories
Where quality is a science.



**LLI Sample No. WW 3279351**
Collected: 11/23/99 at 18:00 by DD

Submitted: 11/24/99 Reported: 12/06/99
Discard: 02/05/00

WL41011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH
41011 SDG#: DCC64-01

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900272

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|

TCL Pesticides in Waters

The heptachlor epoxide recovery was outside the QC limits for the LCS and/ or LCSD. Since the recovery was high and no heptachlor epoxide was detected in the sample, the results were reported.

The detection limits were raised for various analytes due to interference from aroclor 1254.

Due to the dilution required for analysis, accurate surrogate recoveries could not be determined.

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

Lancaster Laboratories
Where quality is a science.



**LLI Sample No. WW 3279351**
Collected: 11/23/99 at 18:00 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900272

Submitted: 11/24/99 Reported: 12/06/99
Discard: 02/05/00

WL41011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH
41011 SDG#: DCC64-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| AppendixIX Herbicides - Waters | | | | | |
| 0288 | 2,4-D | 0.183 | J | 0.095 | ug/l |
| 1314 | Dinoseb | 0.26 | | 0.048 | ug/l |
| 0289 | 2,4,5-TP | N.D. | | 0.0095 | ug/l |
| 1315 | 2,4,5-T | 0.101 | | 0.0095 | ug/l |

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

Lancaster Laboratories
*Where quality is a science.*



**LLI Sample No. WW 3279351**
Collected: 11/23/99 at 18:00 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900272

Submitted: 11/24/99 Reported: 12/06/99
Discard: 02/05/00

WL41011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH
41011 SDG#: DCC64-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| TCL SW846 Semivolatiles/Waters | | | | | |
| 3925 | Phenol | N.D. | | 0.9 | ug/l |
| 3936 | bis(2-Chloroethyl)ether | N.D. | | 0.9 | ug/l |
| 3924 | 2-Chlorophenol | N.D. | | 0.9 | ug/l |
| 3937 | 1,3-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 3938 | 1,4-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 3939 | 1,2-Dichlorobenzene | N.D. | | 0.9 | ug/l |
| 4680 | 2-Methylphenol | N.D. | | 0.9 | ug/l |
| 4681 | 2,2'-oxybis(1-Chloropropane) | N.D. | | 0.9 | ug/l |
| 4682 | 4-Methylphenol | N.D. | | 3. | ug/l |
| | 3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds. | | | | |
| 3942 | N-Nitroso-di-n-propylamine | N.D. | | 0.9 | ug/l |
| 3941 | Hexachloroethane | N.D. | | 0.9 | ug/l |
| 3943 | Nitrobenzene | N.D. | | 0.9 | ug/l |
| 3944 | Isophorone | N.D. | | 0.9 | ug/l |
| 3926 | 2-Nitrophenol | N.D. | | 0.9 | ug/l |
| 3927 | 2,4-Dimethylphenol | N.D. | | 0.9 | ug/l |
| 3945 | bis(2-Chloroethoxy)methane | N.D. | | 0.9 | ug/l |
| 3928 | 2,4-Dichlorophenol | N.D. | | 0.9 | ug/l |
| 3946 | 1,2,4-Trichlorobenzene | N.D. | | 0.9 | ug/l |
| 3947 | Naphthalene | 1. | J | 0.9 | ug/l |
| 3871 | 4-Chloroaniline | N.D. | | 0.9 | ug/l |
| 3948 | Hexachlorobutadiene | N.D. | | 2. | ug/l |
| 3929 | 4-Chloro-3-methylphenol | N.D. | | 0.9 | ug/l |
| 3905 | 2-Methylnaphthalene | 5. | J | 0.9 | ug/l |
| 3949 | Hexachlorocyclopentadiene | N.D. | | 5. | ug/l |
| 3930 | 2,4,6-Trichlorophenol | N.D. | | 2. | ug/l |
| 3922 | 2,4,5-Trichlorophenol | N.D. | | 2. | ug/l |
| 3950 | 2-Chloronaphthalene | N.D. | | 0.9 | ug/l |
| 3907 | 2-Nitroaniline | N.D. | | 2. | ug/l |
| 3952 | Dimethylphthalate | N.D. | | 2. | ug/l |
| 3951 | Acenaphthylene | N.D. | | 0.9 | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Charles J. Neslund, B.S.
Group Leader, GC/MS SVOA

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**LLI Sample No. WW 3279351**
Collected: 11/23/99 at 18:00 by DD

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900272

Submitted: 11/24/99 Reported: 12/06/99
Discard: 02/05/00

WL41011 Grab Water Sample
Site Code: SC001 RFA# YGQP9900272
Dayton Thermal/Dayton, OH
41011 SDG#: DCC64-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| TCL SW846 Semivolatiles/Waters | | | | | |
| 3908 | 3-Nitroaniline | N.D. | | 2. | ug/l |
| 3954 | Acenaphthene | 2. | J | 0.9 | ug/l |
| 3931 | 2,4-Dinitrophenol | N.D. | | 19. | ug/l |
| 3932 | 4-Nitrophenol | N.D. | | 9. | ug/l |
| 3879 | Dibenzofuran | 1. | J | 0.9 | ug/l |
| 3955 | 2,4-Dinitrotoluene | N.D. | | 0.9 | ug/l |
| 3953 | 2,6-Dinitrotoluene | N.D. | | 2. | ug/l |
| 3958 | Diethylphthalate | N.D. | | 2. | ug/l |
| 3957 | 4-Chlorophenyl-phenylether | N.D. | | 0.9 | ug/l |
| 3956 | Fluorene | 2. | J | 0.9 | ug/l |
| 3909 | 4-Nitroaniline | N.D. | | 2. | ug/l |
| 3933 | 4,6-Dinitro-2-methylphenol | N.D. | | 5. | ug/l |
| 3960 | N-Nitrosodiphenylamine | 1. | J | 0.9 | ug/l |
| | N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds. | | | | |
| 3961 | 4-Bromophenyl-phenylether | N.D. | | 2. | ug/l |
| 3962 | Hexachlorobenzene | N.D. | | 2. | ug/l |
| 3934 | Pentachlorophenol | N.D. | | 3. | ug/l |
| 3963 | Phenanthrene | 17. | | 0.9 | ug/l |
| 3964 | Anthracene | 2. | J | 0.9 | ug/l |
| 4684 | Carbazole | N.D. | | 3. | ug/l |
| 3965 | Di-n-butylphthalate | N.D. | | 2. | ug/l |
| 3966 | Fluoranthene | 24. | | 0.9 | ug/l |
| 3967 | Pyrene | 22. | | 0.9 | ug/l |
| 3969 | Butylbenzylphthalate | N.D. | | 2. | ug/l |
| 3972 | 3,3'-Dichlorobenzidine | N.D. | | 2. | ug/l |
| 3970 | Benzo(a)anthracene | 11. | | 0.9 | ug/l |
| 3973 | bis(2-Ethylhexyl)phthalate | 5. | J | 2. | ug/l |
| 3971 | Chrysene | 14. | | 0.9 | ug/l |
| 3974 | Di-n-octylphthalate | N.D. | | 2. | ug/l |
| 3975 | Benzo(b)fluoranthene | 10. | | 0.9 | ug/l |
| 3976 | Benzo(k)fluoranthene | 10. | | 0.9 | ug/l |
| 3977 | Benzo(a)pyrene | 10. | | 0.9 | ug/l |
| 3978 | Indeno(1,2,3-cd)pyrene | 5. | J | 0.9 | ug/l |
| 3979 | Dibenz(a,h)anthracene | 2. | J | 0.9 | ug/l |
| 3980 | Benzo(g,h,i)perylene | 6. | J | 0.9 | ug/l |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Charles J. Neslund, B.S.
Group Leader, GC/MS SVOA

RFA 273 A

99-273A

| ID | DATESAMP | ANLYZD | RECVD | # days to analyze | PARAMETER | RESULT | QUAL | UNITS | METHOD |
|---|---|---|---|---|---|---|---|---|---|
| WS00002 TCLP NVE | 12/05/1999 | 12/09/1999 | 12/07/1999 | 2 | Mercury | 0.0001 | U | MG/L | SW-846 7470A |
| WS00002 TCLP NVE | 12/05/1999 | 12/13/1999 | 12/07/1999 | 6 | Chromium | 0.0098 | U | MG/L | SW-846 6010B |
| WS00002 TCLP NVE | 12/05/1999 | 12/10/1999 | 12/07/1999 | 3 | Arsenic TR | 0.007 | J | MG/L | SW-846 6010B |
| WS00002 TCLP NVE | 12/05/1999 | 12/10/1999 | 12/07/1999 | 3 | Selenium TR | 0.0095 | J | MG/L | SW-846 6010B |
| WS00002 TCLP NVE | 12/05/1999 | 12/10/1999 | 12/07/1999 | 3 | Barium TR | 0.0348 | | MG/L | SW-846 6010B |
| WS00002 TCLP NVE | 12/05/1999 | 12/13/1999 | 12/07/1999 | 6 | Cadmium TR | 0.006 | | MG/L | SW-846 6010B |
| WS00002 TCLP NVE | 12/05/1999 | 12/10/1999 | 12/07/1999 | 3 | Copper TR | 0.0029 | U | MG/L | SW-846 6010B |
| WS00002 TCLP NVE | 12/05/1999 | 12/14/1999 | 12/07/1999 | 7 | Lead TR | 1390 | | MG/L | SW-846 6010B |
| WS00002 TCLP NVE | 12/05/1999 | 12/10/1999 | 12/07/1999 | 3 | Silver TR | 0.0017 | U | MG/L | SW-846 6010B |
| WS00002 TCLP NVE | 12/05/1999 | 12/14/1999 | 12/07/1999 | 7 | Zinc TR | 1.62 | | MG/L | SW-846 6010B |

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DEC 20 1999



**LLI Sample No. TL 3285686**
Collected: 12/05/99 at 12:00 by MP

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGQP9900273

Submitted: 12/07/99 Reported: 12/14/99
Discard: 02/13/00

WS00002 Grab Solder Sample TCLP NVE
Site Code: SC001 RFA#: YGQP9900273
Dayton Thermal/Dayton, OH

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 1751 | Chromium | N.D. | 0.0098 | mg/l |
| 7035 | Arsenic TR | 0.0070 J | 0.0050 | mg/l |
| 7036 | Selenium TR | 0.0095 J | 0.0044 | mg/l |
| 7046 | Barium TR | 0.0348 | 0.00049 | mg/l |
| 7049 | Cadmium TR | 0.0060 | 0.00081 | mg/l |
| 7053 | Copper TR | N.D. | 0.0029 | mg/l |
| 7055 | Lead TR | 1,390. | 0.40 | mg/l |
| 7066 | Silver TR | N.D. | 0.0017 | mg/l |
| 7072 | Zinc TR | 1.62 | 0.0030 | mg/l |
| 0259 | Mercury | N.D. | 0.00010 | mg/l |

The metal analyses were performed on a non-volatile leachate prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, December, 1994). A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Arsenic | 5.0 | Cadmium | 1.0 | Lead | 5.0 | Selenium | 1.0 |
| Barium | 100.0 | Chromium | 5.0 | Mercury | 0.2 | Silver | 5.0 |

1 COPY TO Leggette, Brashears & Graham ATTN: Mr. Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300
20:38:14 D 0001 2 139743 694380
320 25.00 00033900 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis

Lancaster Laboratories
[illegible]
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-[illegible]

Lancaster Laboratories is a subsidiary of Thermo Ferratech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.

RFA 277A

| ID | DATESAMP | ANLYZD | RECVD | # days to analyze | PARAMETER | RESULT | QUAL | UNITS | MATRIX | REPTLIMI | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WL0005 | 11/23/1999 | 11/30/1999 | 11/24/1999 | 6 | Mercury | 0.0378 | J | MG/KG | OIL | 0.0025 | SW-846 7471A |
| WL0005 | 11/23/1999 | 12/06/1999 | 11/24/1999 | 12 | PCB-1016 | 25000 | U | UG/KG | OIL | 25000 | SW-846 8082 |
| WL0005 | 11/23/1999 | 12/06/1999 | 11/24/1999 | 12 | PCB-1221 | 25000 | U | UG/KG | OIL | 25000 | SW-846 8082 |
| WL0005 | 11/23/1999 | 12/06/1999 | 11/24/1999 | 12 | PCB-1232 | 25000 | U | UG/KG | OIL | 25000 | SW-846 8082 |
| WL0005 | 11/23/1999 | 12/06/1999 | 11/24/1999 | 12 | PCB-1242 | 25000 | U | UG/KG | OIL | 25000 | SW-846 8082 |
| WL0005 | 11/23/1999 | 12/06/1999 | 11/24/1999 | 12 | PCB-1248 | 25000 | U | UG/KG | OIL | 25000 | SW-846 8082 |
| WL0005 | 11/23/1999 | 12/06/1999 | 11/24/1999 | 12 | PCB-1254 | 260000 | | UG/KG | OIL | 25000 | SW-846 8082 |
| WL0005 | 11/23/1999 | 12/06/1999 | 11/24/1999 | 12 | PCB-1260 | 25000 | U | UG/KG | OIL | 25000 | SW-846 8082 |
| WL0005 | 11/23/1999 | 12/02/1999 | 11/24/1999 | 8 | pH | 6.2 | | | OIL | 0.01 | SW-846 9045C (modified) |
| WL0005 | 11/23/1999 | 12/02/1999 | 11/24/1999 | 8 | h Point for Liq | Flash Observed | | DEGREES | OIL | | ASTM D 93-90 |
| WL0005 | 11/23/1999 | 11/29/1999 | 11/24/1999 | 5 | Metals Digest | 99.5 | | NO PRIN | OIL | 0.1 | SW-846 3050A modified |
| WL0005 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | ic (furnace me | 1.21 | J | MG/KG | OIL | 0.093 | SW-846 7060A |
| WL0005 | 11/23/1999 | 12/09/1999 | 11/24/1999 | 15 | um (furnace m | 0.13 | U | MG/KG | OIL | 0.13 | SW-846 7740 |
| WL0005 | 11/23/1999 | 12/02/1999 | 11/24/1999 | 8 | Barium | 6.04 | J | MG/KG | OIL | 0.37 | SW-846 6010B |
| WL0005 | 11/23/1999 | 12/02/1999 | 11/24/1999 | 8 | Cadmium | 0.69 | J | MG/KG | OIL | 0.39 | SW-846 6010B |
| WL0005 | 11/23/1999 | 12/02/1999 | 11/24/1999 | 8 | Chromium | 40 | | MG/KG | OIL | 1.5 | SW-846 6010B |
| WL0005 | 11/23/1999 | 12/02/1999 | 11/24/1999 | 8 | Copper | 137 | | MG/KG | OIL | 0.63 | SW-846 6010B |
| WL0005 | 11/23/1999 | 12/02/1999 | 11/24/1999 | 8 | Lead | 146 | | MG/KG | OIL | 3.9 | SW-846 6010B |
| WL0005 | 11/23/1999 | 12/03/1999 | 11/24/1999 | 9 | Silver | 1.13 | J | MG/KG | OIL | 0.45 | SW-846 6010B |
| WL0005 | 11/23/1999 | 12/02/1999 | 11/24/1999 | 8 | Zinc | 75 | | MG/KG | OIL | 3.5 | SW-846 6010B |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: G53279369 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 11/24/99 Date Reported: NOT REP
Date Collected: 11/23/99

WL0005 Grab Oil Sample
Site Code: SC001 RFA# YGQP9900277
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0159 | Mercury | 0.0378 J | 0.0025 | mg/kg |
| 0394 | pH | 6.20 | 0.010 | |

The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min.

==========

0430 Flash Point for Liquids — No Flash Observed — Degrees F

No flash observed below 216F.
Test flame extinguished at 196F.
Flash point was determined using Pensky Martens closed cup apparatus.

==========

2535 Quantitative GC Fingerprint — see below

The GC Fingerprint for this sample indicates a mixture of petroleum distillates/products. The early eluting (more volatile) region of the sample fingerprint is a weak pattern of peaks similar to our #2 fuel oil reference pattern. Differences in relative peak intensities and ratios suggest that the fuel is extremely weathered. The later eluting (less volatile) region of the sample fingerprint is an area of unresolved peaks typical of our lubricating oil reference standards. The sample pattern elutes approximately 10 carbon chain length equivalents later than our 10W 40 motor oil reference pattern and may be due to a heavier weight lubricating oil fraction.

When we calculate total sample area as petroleum distillate/product, it is present at 73% by weight. This indicates that approximately 73% of the total organic (hydrocarbon) content of the sample elutes in the C8-C40 normal hydrocarbon range. The early region (fuel pattern) accounts for approximately 11%, by weight, of the total sample. The later region (unresolved/lubricating oil pattern) accounts for approximately 89%, by weight, of the total sample.

Quantitation is presented on an as received basis.

==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: G53279369 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 11/24/99 Date Reported: NOT REP
Date Collected: 11/23/99

WL0005 Grab Oil Sample
Site Code: SC001 RFA# YGQP9900277
Dayton Thermal/Dayton, OH

Fingerprint

| | ANALYSIS NAME | TCLP Limit mg/L | RESULT | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|---|
| 1646 | Barium | 100.0 | 6.04 | J | 0.37 | mg/kg |
| 1649 | Cadmium | 1.0 | 0.69 | J | 0.39 | mg/kg |
| 1651 | Chromium | 5.0 | 40.0 | | 1.5 | mg/kg |
| 1653 | Copper | — | 137. | | 0.63 | mg/kg |
| 1655 | Lead | 5.0 | 146. | | 3.9 | mg/kg |
| 1666 | Silver | 5.0 | 1.13 | J | 0.45 | mg/kg |
| 1672 | Zinc | — | 75. | | 3.5 | mg/kg |
| 1164 | Selenium | | N.D. | | 0.13 | |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: G53279369 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 11/24/99 Date Reported: NOT REP
Date Collected: 11/23/99

WL0005 Grab Oil Sample
Site Code: SC001 RFA# YGQP9900277
Dayton Thermal/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0174 | PCBs in Oil | | | |

Due to the dilution required for analysis, accurate surrogate recoveries could not be determined for this sample.

==========

| | | | | |
|---|---|---|---|---|
| 4815 | PCB-1016 | N.D. | 25,000. | ug/kg |
| 4816 | PCB-1221 | N.D. | 25,000. | ug/kg |
| 4817 | PCB-1232 | N.D. | 25,000. | ug/kg |
| 4818 | PCB-1242 | N.D. | 25,000. | ug/kg |
| 4819 | PCB-1248 | N.D. | 25,000. | ug/kg |
| 4820 | PCB-1254 | 260,000. | 25,000. | ug/kg |
| 4821 | PCB-1260 | N.D. | 25,000. | ug/kg |

==========

| | | | | | |
|---|---|---|---|---|---|
| 1145 | Arsenic (furnace method) | 1.21 | J | 0.093 | mg/kg |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: G53288901 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/10/99 Date Reported: NOT REP
Date Collected: 12/09/99

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGOP9900277
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| 0174 | PCBs in Oil | | | | |
| 4815 | PCB-1016 | N.D. | | 500. | ug/kg |
| 4816 | PCB-1221 | N.D. | | 500. | ug/kg |
| 4817 | PCB-1232 | N.D. | | 500. | ug/kg |
| 4818 | PCB-1242 | N.D. | | 500. | ug/kg |
| 4819 | PCB-1248 | N.D. | | 500. | ug/kg |
| 4820 | PCB-1254 | N.D. | | 500. | ug/kg |
| 4821 | PCB-1260 | N.D. | | 500. | ug/kg |

==========

| | | | | | |
|---|---|---|---|---|---|
| 0394 | pH | 5.69 | | 0.010 | |

The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml.
of deionized water) after being tumbled for 30 min.

==========

| | | | | | |
|---|---|---|---|---|---|
| 0430 | Flash Point for Liquids | No Flash Observed | | | Degrees F |

No flash observed below 216F.
Test flame extinguished at 196F.
Flash point was determined using Pensky Martens closed cup apparatus.

==========

| | | | | | |
|---|---|---|---|---|---|
| 1646 | Barium | 2.21 | J | 0.38 | mg/kg |
| 1649 | Cadmium | N.D. | | 0.40 | mg/kg |
| 1651 | Chromium | 3.9 | J | 1.6 | mg/kg |
| 1653 | Copper | 258. | | 0.64 | mg/kg |
| 1655 | Lead | 49. | | 4.0 | mg/kg |
| 1666 | Silver | 1.78 | J | 0.46 | mg/kg |
| 1672 | Zinc | 33. | | 3.6 | mg/kg |

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike, Lancaster, PA 17601

Sample Number: G53288901 Account: 10160 DAIMLERCHRYSLER CORPORATION
Date Submitted: 12/10/99 Date Reported: NOT REP
Date Collected: 12/09/99

WL0007 Grab Oil Sample
Site Code: SC001 RFA#: YGQP9900277
Dayton Thermal Products/Dayton, OH

| | ANALYSIS NAME | RESULT | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|
| 0159 | Mercury | 0.0053 J | 0.0025 | mg/kg |

RFA 282 A

| ID | DATESAMP | ANLYZD | RECVD | #days to analyze | PARAMETEF | RESULT | QU. | UNITS | MATRIX | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|
| WIPE001 | 12/10/1999 | 12/13/1999 | 12/11/1999 | 2 | PCB-1016 | 0.1 | U | UG/WIPE | WIPE | SW-846 8082 |
| WIPE001 | 12/10/1999 | 12/13/1999 | 12/11/1999 | 2 | PCB-1221 | 0.1 | U | UG/WIPE | WIPE | SW-846 8082 |
| WIPE001 | 12/10/1999 | 12/13/1999 | 12/11/1999 | 2 | PCB-1232 | 0.1 | U | UG/WIPE | WIPE | SW-846 8082 |
| WIPE001 | 12/10/1999 | 12/13/1999 | 12/11/1999 | 2 | PCB-1242 | 0.1 | U | UG/WIPE | WIPE | SW-846 8082 |
| WIPE001 | 12/10/1999 | 12/13/1999 | 12/11/1999 | 2 | PCB-1248 | 0.1 | U | UG/WIPE | WIPE | SW-846 8082 |
| WIPE001 | 12/10/1999 | 12/13/1999 | 12/11/1999 | 2 | PCB-1254 | 0.37 | J | UG/WIPE | WIPE | SW-846 8082 |
| WIPE001 | 12/10/1999 | 12/13/1999 | 12/11/1999 | 2 | PCB-1260 | 0.1 | U | UG/WIPE | WIPE | SW-846 8082 |

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**LLI Sample No. G5 3289612**
Collected: 12/10/99 at 15:50 by MP

Account No: 10160

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

P.O. N99C403749-A
Rel. YGP9900282

Submitted: 12/11/99 Reported: 12/14/99
Discard: 02/13/00

WIPE001 Grab Wipe Sample
Site Code: SC001 RFA#: YGQP9900282
Dayton Thermal/Dayton, OH
1WIPE SDG#: DCC83-01

| CAT NO. | ANALYSIS NAME | AS RECEIVED RESULTS | | METHOD DETECTION LIMIT | UNITS |
|---|---|---|---|---|---|
| PCBs in Wipes/Air | | | | | |
| 7514 | PCB-1016 | N.D. | | 0.10 | ug/wipe |
| 7515 | PCB-1221 | N.D. | | 0.10 | ug/wipe |
| 7516 | PCB-1232 | N.D. | | 0.10 | ug/wipe |
| 7517 | PCB-1242 | N.D. | | 0.10 | ug/wipe |
| 7518 | PCB-1248 | N.D. | | 0.10 | ug/wipe |
| 7519 | PCB-1254 | 0.37 | J | 0.10 | ug/wipe |
| 7520 | PCB-1260 | N.D. | | 0.10 | ug/wipe |

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

Lancaster Laboratories
Where quality is a science.

EPA Region 5 Records Ctr.
350083

# FAX Cover Page

Pages 37

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**2425 New Holland Pike**
**Lancaster, PA 17605-2425**

**Phone: 717-656-2300**
**Fax: 717-656-2681**

**Deliver to:** Earth Tech

**Company:** Earth Tech

**Fax:** 1920-458-0550

**From:** Lancaster Labs Auto Report

**Message:**

Client Service Representative: Kathy Klinefelter

These results are verified. Once the Final Report is signed, the hard copy will be mailed.

# Lancaster Laboratories Analytical Report

2425 New Holland Pike, Lancaster, PA 17603

## Sample Number: AQ 3865289

Collected: 07/24/2002 14:30 by JE

Account: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 11:46

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SVE47 Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH
SVE47 **SDG#: DCK20-01**

| CAT No. | Analysis Name | CAS Number | As Received Result | Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|

### Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 07869 | TO 14 VOA Ext. List Tedlar | EPA TO14 | 1 | 07/28/2002 18:24 | Matthew S Thomas | 3.3 |
| 07870 | TO 14 VOA Ext List cont Tedlar | EPA TO14 | 1 | 07/28/2002 17:44 | Matthew S Thomas | 25 |
| 07870 | TO 14 VOA Ext List cont Tedlar | EPA TO14 | 1 | 07/28/2002 18:24 | Matthew S Thomas | 3.3 |

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: SVE47 Date Collected: 07/24/02 Date Received: 07/27/02
Lab Sample ID: 3865289 Date Analyzed: 07/28/02 Time Analyzed: 18:24
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0701007.D
UNITS = ppb(v)

| CAS RN | COMPOUND NAME | R.T. | ESTIMATED CONCENTRATION | Q |
|---|---|---|---|---|
| 106-97-8 | Butane | 6.59 | 12 | J D |
| 75-07-0 | Acetaldehyde | 7.12 | 16 | J D |
| 78-78-4 | Butane, 2-methyl- | 8.07 | 33 | J D |
| | Unknown | 9.49 | 12 | J D |
| 67-63-0 | Isopropyl Alcohol | 10.82 | 28 | J D |
| 107-83-5 | Pentane, 2-methyl- | 11.21 | 16 | J D |
| | Unknown aliphatic hydrocarbon | 20.45 | 14 | J D |
| | Unknown aliphatic hydrocarbon | 21.64 | 20 | J D |
| | Unknown aliphatic hydrocarbon | 26.49 | 15 | J D |
| | Unknown aliphatic hydrocarbon | 27.45 | 11 | J D |

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE47 Date Collected: 07/24/02 Date Received: 07/27/02
Lab Sample ID: 3865289 Date Analyzed: 07/28/02 Time Analyzed: 18:24
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0701007.D

| CAS RN | COMPOUND NAME | CONCENTRATION UNITS: MDL ppb(v) | Q |
|---|---|---|---|
| 115-07-1 | Propene | 2 | J D |
| 75-71-8 | Dichlorodifluoromethane | 0.8 | J D |
| 75-45-6 | Chlorodifluoromethane | 4 | D |
| 76-14-2 | Freon 114 | 0.7 | U |
| 74-87-3 | Chloromethane | 0.7 | U |
| 75-01-4 | Vinyl Chloride | 0.7 | U |
| 106-99-0 | 1,3-Butadiene | 3 | U |
| 74-83-9 | Bromomethane | 0.7 | U |
| 75-00-3 | Chloroethane | 0.7 | U |
| 75-43-4 | Dichlorofluoromethane | 0.7 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | J D |
| 109-66-0 | Pentane | 13 | D |
| 107-02-8 | Acrolein | 9 | D |
| 75-35-4 | 1,1-Dichloroethene | 2 | J D |
| 76-13-1 | Freon 113 | 2 | U |
| 67-64-1 | Acetone | 33 | D |
| 74-88-4 | Methyl Iodide | 0.7 | U |
| 75-15-0 | Carbon Disulfide | 9 | D |
| 75-05-8 | Acetonitrile | 3 | J D |
| 107-05-1 | 3-Chloropropene | 2 | U |
| 75-09-2 | Methylene Chloride | 5 | D |
| 75-65-0 | tert-Butyl Alcohol | 0.7 | U |
| 107-13-1 | Acrylonitrile | 2 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | J D |
| 1634-04-4 | Methyl t-Butyl Ether | 0.7 | U |
| 110-54-3 | Hexane | 6 | D |
| 75-34-3 | 1,1-Dichloroethane | 10 | D |
| 108-05-4 | Vinyl Acetate | 0.7 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 18 | D |
| 78-93-3 | 2-Butanone | 16 | D |
| 141-78-6 | Ethyl Acetate | 0.7 | U |
| 96-33-3 | Methyl Acrylate | 0.7 | U |
| 67-66-3 | Chloroform | 0.7 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 94 | D |

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE47 Date Collected: 07/24/02 Date Received: 07/27/02
Lab Sample ID: 3865289 Date Analyzed: 07/28/02 Time Analyzed: 18:24
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0701007.D

| CAS RN | COMPOUND NAME | CONCENTRATION UNITS: MDL ppb(v) | Q |
|---|---|---|---|
| 56-23-5 | Carbon Tetrachloride | 0.7 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.7 | U |
| 71-43-2 | Benzene | 4 | D |
| 540-84-1 | Isooctane | 2 | J D |
| 142-82-5 | Heptane | 2 | J D |
| 79-01-6 | Trichloroethene | 110 | D |
| 140-88-5 | Ethyl Acrylate | 0.7 | U |
| 78-87-5 | 1,2-Dichloropropane | 0.7 | U |
| 80-62-6 | Methyl Methacrylate | 0.7 | U |
| 74-95-3 | Dibromomethane | 0.7 | U |
| 123-91-1 | 1,4-Dioxane | 0.7 | U |
| 75-27-4 | Bromodichloromethane | 0.7 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.7 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 2 | U |
| 108-88-3 | Toluene | 37 | D |
| 111-65-9 | Octane | 2 | J D |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.7 | U |
| 97-63-2 | Ethyl Methacrylate | 0.7 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 0.7 | U |
| 127-18-4 | Tetrachloroethene | 1100 | D |
| 591-78-6 | 2-Hexanone | 2 | U |
| 124-48-1 | Dibromochloromethane | 0.7 | U |
| 106-93-4 | 1,2-Dibromoethane | 0.7 | U |
| 108-90-7 | Chlorobenzene | 0.7 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.7 | U |
| 100-41-4 | Ethylbenzene | 4 | D |
| 1330-20-7 | m/p-Xylene | 15 | D |
| 95-47-6 | o-Xylene | 6 | D |
| 100-42-5 | Styrene | 1 | J D |
| 75-25-2 | Bromoform | 0.7 | U |
| 98-82-8 | Cumene | 0.7 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.7 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 0.7 | U |
| 108-86-1 | Bromobenzene | 0.7 | U |

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE47 Date Collected: 07/24/02 Date Received: 07/27/02
Lab Sample ID: 3865289 Date Analyzed: 07/28/02 Time Analyzed: 18:24
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0701007.D

| CAS RN | COMPOUND NAME | CONCENTRATION UNITS: MDL ppb(v) | Q |
|---|---|---|---|
| 622-96-8 | 4-Ethyltoluene | 4 | D |
| 108-67-8 | 1,3,5-Trimethylbenzene | 2 | J D |
| 98-83-9 | Alpha Methyl Styrene | 0.7 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | 5 | D |
| 541-73-1 | 1,3-Dichlorobenzene | 2 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 2 | U |
| 100-44-7 | Benzyl chloride | 0.7 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 2 | U |
| 67-72-1 | Hexachloroethane | 0.7 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3 | U |
| 87-68-3 | Hexachlorobutadiene | 2 | U |

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

**Lancaster Laboratories Analytical Report**
2425 New Holland Pike, Lancaster, PA 17603

## Sample Number: AQ 3865290

Collected: 07/25/2002 10:30 by JE

Account: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 11:46

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SVE50E Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH
SV50E ***SDG#: DCK20-02***

| CAT No. | Analysis Name | CAS Number | As Received Result | Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|

### Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 07869 | TO 14 VOA Ext. List Tedlar | EPA TO14 | 1 | 07/28/2002 19:53 | Matthew S Thomas | 2.5 |
| 07870 | TO 14 VOA Ext List cont Tedlar | EPA TO14 | 1 | 07/28/2002 19:08 | Matthew S Thomas | 12 |
| 07870 | TO 14 VOA Ext List cont Tedlar | EPA TO14 | 1 | 07/28/2002 19:53 | Matthew S Thomas | 2.5 |

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: SV50E  Date Collected: 07/25/02  Date Received: 07/27/02
Lab Sample ID: 3865290  Date Analyzed: 07/28/02  Time Analyzed: 19:53
Injection Volume: 100 cc  Nominal Volume: 250 cc  Dilution Factor: 2.5
Instrument ID: HP4224  Lab File ID: C:\HPCHEM\1\DATA\JUL28\0901009.D
UNITS = ppb(v)

| CAS RN | COMPOUND NAME | R.T. | ESTIMATED CONCENTRATION | Q |
|---|---|---|---|---|
| 106-97-8 | Butane | 6.77 | 23 | J D |
| | Unknown | 7.37 | 12 | J D |
| 78-78-4 | Butane, 2-methyl- | 8.35 | 74 | J D |
| | Unknown C5H10 isomer | 9.90 | 8 | J D |
| 107-83-5 | Pentane, 2-methyl- | 11.45 | 15 | J D |
| 96-14-0 | Pentane, 3-methyl- | 12.05 | 10 | J D |
| | Unknown aliphatic hydrocarbon | 21.76 | 11 | J D |
| | Unknown siloxane | 24.51 | 14 | J D |
| | Unknown aliphatic hydrocarbon | 26.54 | 12 | J D |
| | Unknown aliphatic hydrocarbon | 27.49 | 10 | J D |

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV50E  Date Collected: 07/25/02  Date Received: 07/27/02
Lab Sample ID: 3865290  Date Analyzed: 07/28/02  Time Analyzed: 19:53
Injection Volume: 100 cc  Nominal Volume: 250 cc  Dilution Factor: 2.5
Instrument ID: HP4224  Lab File ID: C:\HPCHEM\1\DATA\JUL28\0901009.D

| CAS RN | COMPOUND NAME | CONCENTRATION UNITS: MDL ppb(v) | Q |
|---|---|---|---|
| 115-07-1 | Propene | 0.5 | U |
| 75-71-8 | Dichlorodifluoromethane | 1 | J D |
| 75-45-6 | Chlorodifluoromethane | 3 | D |
| 76-14-2 | Freon 114 | 0.5 | U |
| 74-87-3 | Chloromethane | 0.5 | U |
| 75-01-4 | Vinyl Chloride | 0.5 | U |
| 106-99-0 | 1,3-Butadiene | 3 | U |
| 74-83-9 | Bromomethane | 0.5 | U |
| 75-00-3 | Chloroethane | 0.5 | U |
| 75-43-4 | Dichlorofluoromethane | 0.5 | U |
| 75-69-4 | Trichlorofluoromethane | 2 | J D |
| 109-66-0 | Pentane | 30 | D |
| 107-02-8 | Acrolein | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 3 | D |
| 76-13-1 | Freon 113 | 2 | J D |
| 67-64-1 | Acetone | 23 | D |
| 74-88-4 | Methyl Iodide | 0.5 | U |
| 75-15-0 | Carbon Disulfide | 5 | D |
| 75-05-8 | Acetonitrile | 1 | U |
| 107-05-1 | 3-Chloropropene | 1 | U |
| 75-09-2 | Methylene Chloride | 3 | D |
| 75-65-0 | tert-Butyl Alcohol | 0.5 | U |
| 107-13-1 | Acrylonitrile | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 3 | D |
| 1634-04-4 | Methyl t-Butyl Ether | 0.5 | U |
| 110-54-3 | Hexane | 9 | D |
| 75-34-3 | 1,1-Dichloroethane | 38 | D |
| 108-05-4 | Vinyl Acetate | 0.5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 160 | D |
| 78-93-3 | 2-Butanone | 10 | D |
| 141-78-6 | Ethyl Acetate | 0.5 | U |
| 96-33-3 | Methyl Acrylate | 0.5 | U |
| 67-66-3 | Chloroform | 0.5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 62 | D |

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank.  D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV50E  Date Collected: 07/25/02  Date Received: 07/27/02
Lab Sample ID: 3865290  Date Analyzed: 07/28/02  Time Analyzed: 19:53
Injection Volume: 100 cc  Nominal Volume: 250 cc  Dilution Factor: 2.5
Instrument ID: HP4224  Lab File ID: C:\HPCHEM\1\DATA\JUL28\0901009.D

| CAS RN | COMPOUND NAME | CONCENTRATION UNITS: MDL ppb(v) | Q |
|---|---|---|---|
| 56-23-5 | Carbon Tetrachloride | 0.5 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.5 | U |
| 71-43-2 | Benzene | 8 | D |
| 540-84-1 | Isooctane | 5 | D |
| 142-82-5 | Heptane | 3 | D |
| 79-01-6 | Trichloroethene | 74 | D |
| 140-88-5 | Ethyl Acrylate | 0.5 | U |
| 78-87-5 | 1,2-Dichloropropane | 0.5 | U |
| 80-62-6 | Methyl Methacrylate | 0.5 | U |
| 74-95-3 | Dibromomethane | 0.5 | U |
| 123-91-1 | 1,4-Dioxane | 0.5 | U |
| 75-27-4 | Bromodichloromethane | 0.5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.5 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1 | U |
| 108-88-3 | Toluene | 33 | D |
| 111-65-9 | Octane | 0.5 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.5 | U |
| 97-63-2 | Ethyl Methacrylate | 0.5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 0.5 | U |
| 127-18-4 | Tetrachloroethene | 540 | D |
| 591-78-6 | 2-Hexanone | 1 | U |
| 124-48-1 | Dibromochloromethane | 0.5 | U |
| 106-93-4 | 1,2-Dibromoethane | 0.5 | U |
| 108-90-7 | Chlorobenzene | 0.5 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.5 | U |
| 100-41-4 | Ethylbenzene | 4 | D |
| 1330-20-7 | m/p-Xylene | 19 | D |
| 95-47-6 | o-Xylene | 7 | D |
| 100-42-5 | Styrene | 0.8 | J D |
| 75-25-2 | Bromoform | 0.5 | U |
| 98-82-8 | Cumene | 0.5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.5 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 0.5 | U |
| 108-86-1 | Bromobenzene | 0.5 | U |

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank.  D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV50E  Date Collected: 07/25/02  Date Received: 07/27/02
Lab Sample ID: 3865290  Date Analyzed: 07/28/02  Time Analyzed: 19:53
Injection Volume: 100 cc  Nominal Volume: 250 cc  Dilution Factor: 2.5
Instrument ID: HP4224  Lab File ID: C:\HPCHEM\1\DATA\JUL28\0901009.D

| CAS RN | COMPOUND NAME | CONCENTRATION UNITS: MDL ppb(v) | Q |
|---|---|---|---|
| 622-96-8 | 4-Ethyltoluene | 8 | D |
| 108-67-8 | 1,3,5-Trimethylbenzene | 3 | D |
| 98-83-9 | Alpha Methyl Styrene | 0.5 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | 9 | D |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 100-44-7 | Benzyl chloride | 0.5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 67-72-1 | Hexachloroethane | 0.5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3 | U |
| 87-68-3 | Hexachlorobutadiene | 1 | U |

U = Compound was undetected at the specified limit of quantitation.
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**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

## Sample Number: AQ 3865291

Collected: 07/25/2002 14:50 by JE

Account: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 11:46

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SVE59N Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH
SV59N **SDG#: DCK20-03**

| CAT No. | Analysis Name | CAS Number | As Received Result | Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|

### Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 07869 | TO 14 VOA Ext. List Tedlar | EPA TO14 | 1 | 07/28/2002 21:29 | Matthew S Thomas | 100 |
| 07870 | TO 14 VOA Ext List cont Tedlar | EPA TO14 | 1 | 07/28/2002 20:39 | Matthew S Thomas | 667 |
| 07870 | TO 14 VOA Ext List cont Tedlar | EPA TO14 | 1 | 07/28/2002 21:29 | Matthew S Thomas | 100 |

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: SV59N Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865291 Date Analyzed: 07/28/02 Time Analyzed: 21:29
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 100.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1101011.D
UNITS = ppb(v)

| CAS RN | COMPOUND NAME | R.T. | ESTIMATED CONCENTRATION | Q |
|---|---|---|---|---|
| | Unknown | 5.84 | 520 | J D |
| 78-78-4 | Butane, 2-methyl- | 8.41 | 1200 | J D |
| 107-83-5 | Pentane, 2-methyl- | 11.45 | 300 | J D |
| | Unknown aliphatic hydrocarbon | 20.58 | 140 | J D |
| | Unknown siloxane | 24.51 | 210 | J D |
| | Unknown aliphatic hydrocarbon | 26.53 | 460 | J D |
| | Unknown aliphatic hydrocarbon | 27.39 | 140 | J D |
| | Unknown aliphatic hydrocarbon | 27.49 | 330 | J D |
| | Unknown siloxane | 27.99 | 490 | J D |
| | Unknown aliphatic hydrocarbon | 31.08 | 150 | J D |

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

**Lancaster Laboratories Analytical Report**
**2425 New Holland Pike, Lancaster, PA 17603**

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV59N  Date Collected: 07/25/02  Date Received: 07/27/02
Lab Sample ID: 3865291  Date Analyzed: 07/28/02  Time Analyzed: 21:29
Injection Volume: 500 cc  Nominal Volume: 250 cc  Dilution Factor: 100.0
Instrument ID: HP4224  Lab File ID: C:\HPCHEM\1\DATA\JUL28\1101011.D

| CAS RN | COMPOUND NAME | CONCENTRATION UNITS: MDL ppb(v) | Q |
|---|---|---|---|
| 115-07-1 | Propene | 20 | U |
| 75-71-8 | Dichlorodifluoromethane | 20 | U |
| 75-45-6 | Chlorodifluoromethane | 640 | D |
| 76-14-2 | Freon 114 | 20 | U |
| 74-87-3 | Chloromethane | 20 | U |
| 75-01-4 | Vinyl Chloride | 20 | U |
| 106-99-0 | 1,3-Butadiene | 100 | U |
| 74-83-9 | Bromomethane | 20 | U |
| 75-00-3 | Chloroethane | 170 | D |
| 75-43-4 | Dichlorofluoromethane | 20 | U |
| 75-69-4 | Trichlorofluoromethane | 25 | J D |
| 109-66-0 | Pentane | 210 | D |
| 107-02-8 | Acrolein | 50 | U |
| 75-35-4 | 1,1-Dichloroethene | 270 | D |
| 76-13-1 | Freon 113 | 50 | U |
| 67-64-1 | Acetone | 600 | D |
| 74-88-4 | Methyl Iodide | 20 | U |
| 75-15-0 | Carbon Disulfide | 120 | D |
| 75-05-8 | Acetonitrile | 50 | U |
| 107-05-1 | 3-Chloropropene | 50 | U |
| 75-09-2 | Methylene Chloride | 220 | D |
| 75-65-0 | tert-Butyl Alcohol | 20 | U |
| 107-13-1 | Acrylonitrile | 50 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 20 | U |
| 1634-04-4 | Methyl t-Butyl Ether | 20 | U |
| 110-54-3 | Hexane | 73 | J D |
| 75-34-3 | 1,1-Dichloroethane | 190 | D |
| 108-05-4 | Vinyl Acetate | 20 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 470 | D |
| 78-93-3 | 2-Butanone | 300 | D |
| 141-78-6 | Ethyl Acetate | 20 | U |
| 96-33-3 | Methyl Acrylate | 20 | U |
| 67-66-3 | Chloroform | 20 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 2400 | D |

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV59N  Date Collected: 07/25/02  Date Received: 07/27/02
Lab Sample ID: 3865291  Date Analyzed: 07/28/02  Time Analyzed: 21:29
Injection Volume: 500 cc  Nominal Volume: 250 cc  Dilution Factor: 100.0
Instrument ID: HP4224  Lab File ID: C:\HPCHEM\1\DATA\JUL28\1101011.D

| CAS RN | COMPOUND NAME | CONCENTRATION UNITS: MDL ppb(v) | Q |
|---|---|---|---|
| 56-23-5 | Carbon Tetrachloride | 20 | U |
| 107-06-2 | 1,2-Dichloroethane | 20 | U |
| 71-43-2 | Benzene | 20 | U |
| 540-84-1 | Isooctane | 20 | U |
| 142-82-5 | Heptane | 20 | U |
| 79-01-6 | Trichloroethene | 890 | D |
| 140-88-5 | Ethyl Acrylate | 20 | U |
| 78-87-5 | 1,2-Dichloropropane | 20 | U |
| 80-62-6 | Methyl Methacrylate | 20 | U |
| 74-95-3 | Dibromomethane | 20 | U |
| 123-91-1 | 1,4-Dioxane | 20 | U |
| 75-27-4 | Bromodichloromethane | 20 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 50 | U |
| 108-88-3 | Toluene | 480 | D |
| 111-65-9 | Octane | 20 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | U |
| 97-63-2 | Ethyl Methacrylate | 20 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | U |
| 127-18-4 | Tetrachloroethene | 19000 | D |
| 591-78-6 | 2-Hexanone | 50 | U |
| 124-48-1 | Dibromochloromethane | 20 | U |
| 106-93-4 | 1,2-Dibromoethane | 20 | U |
| 108-90-7 | Chlorobenzene | 20 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | U |
| 100-41-4 | Ethylbenzene | 28 | J D |
| 1330-20-7 | m/p-Xylene | 74 | J D |
| 95-47-6 | o-Xylene | 35 | J D |
| 100-42-5 | Styrene | 23 | J D |
| 75-25-2 | Bromoform | 20 | U |
| 98-82-8 | Cumene | 20 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | U |
| 108-86-1 | Bromobenzene | 20 | U |

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV59N  Date Collected: 07/25/02  Date Received: 07/27/02
Lab Sample ID: 3865291  Date Analyzed: 07/28/02  Time Analyzed: 21:29
Injection Volume: 500 cc  Nominal Volume: 250 cc  Dilution Factor: 100.0
Instrument ID: HP4224  Lab File ID: C:\HPCHEM\1\DATA\JUL28\1101011.D

| CAS RN | COMPOUND NAME | CONCENTRATION UNITS: MDL ppb(v) | Q |
|---|---|---|---|
| 622-96-8 | 4-Ethyltoluene | 20 | J D |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | U |
| 98-83-9 | Alpha Methyl Styrene | 20 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | 35 | J D |
| 541-73-1 | 1,3-Dichlorobenzene | 50 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 50 | U |
| 100-44-7 | Benzyl chloride | 20 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 50 | U |
| 67-72-1 | Hexachloroethane | 20 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 100 | U |
| 87-68-3 | Hexachlorobutadiene | 50 | U |

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