Report Date:
29-Jul-10 16:55

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

**SPECTRUM ANALYTICAL, INC.**
*Featuring*
**HANIBAL TECHNOLOGY**

# *Laboratory Report*

Environmental Compliance Services
588 Silver Street
Agawam, MA 01001
Attn: Abby Albano

Project: Sunoco-88 So. Maple St-Westfield, MA
Project #: 91-214474

| Laboratory ID | Client Sample ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| SB15513-01 | SB-1 15-17' | Soil | 20-Jul-10 10:00 | 21-Jul-10 13:55 |
| SB15513-02 | SB-1 6-8' | Soil | 20-Jul-10 13:45 | 21-Jul-10 13:55 |
| SB15513-03 | SB-2 15-17' | Soil | 20-Jul-10 11:25 | 21-Jul-10 13:55 |
| SB15513-04 | SB-2 6-8' | Soil | 20-Jul-10 13:45 | 21-Jul-10 13:55 |
| SB15513-05 | SB-3 10-12' | Soil | 20-Jul-10 13:40 | 21-Jul-10 13:55 |
| SB15513-06 | SB-3 6-8' | Soil | 20-Jul-10 13:45 | 21-Jul-10 13:55 |
| SB15513-07 | ECS-1 15-17' | Soil | 21-Jul-10 10:45 | 21-Jul-10 13:55 |
| SB15513-08 | ECS-1 6-8' | Soil | 21-Jul-10 10:40 | 21-Jul-10 13:55 |
| SB15513-09 | ECS-2 10-12' | Soil | 21-Jul-10 13:15 | 21-Jul-10 13:55 |
| SB15513-10 | Stockpile | Soil | 21-Jul-10 13:00 | 21-Jul-10 13:55 |

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes.
Please note that this report contains 44 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

*Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).*

*Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.*

**CASE NARRATIVE:**

The samples were received 2.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

These samples do not exhibit the characteristics of reactivity as defined in 40 CFR 261.23, sections (1), (2), (4), and (5); however, Spectrum Analytical, Inc. does not test for detonation, explosive reaction or potential, or forbidden explosives as defined in 40 CFR 261.23, sections (3), (6), (7) and (8).

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Additional dilution factors may be required to keep analyte concentration within instrument calibration.

**See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.**

**SW846 8082**

**Spikes:**

1015726-MS1 *Source: SB15513-02*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aroclor-1016

1015726-MSD1 *Source: SB15513-02*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aroclor-1016

**Duplicates:**

1015726-DUP1 *Source: SB15513-02*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248
Aroclor-1248 [2C]

1015726-DUP2 *Source: SB15513-02RE1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

**Samples:**

SB15513-02 *SB-1 6-8'*

**SW846 8082**

**Samples:**

SB15513-02 *SB-1 6-8'*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248

SB15513-02RE1 *SB-1 6-8'*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

**SW846 8260B/C**

**Calibration:**

1006021

Analyte quantified by quadratic equation type calibration.

1,2-Dibromo-3-chloropropane
1,2-Dibromoethane (EDB)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Bromoform
cis-1,3-Dichloropropene
Dibromochloromethane
Naphthalene
trans-1,3-Dichloropropene

This affected the following samples:

1015559-BLK1
1015559-BS1
1015559-BSD1
ECS-1 15-17'
ECS-2 10-12'
S005069-ICV1
S006722-CCV1
SB-1 15-17'
SB-2 15-17'
SB-3 10-12'
Stockpile

**Laboratory Control Samples:**

1015559 BS/BSD

4-Methyl-2-pentanone (MIBK) percent recoveries (124/138) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

ECS-1 15-17'
ECS-2 10-12'
SB-1 15-17'
SB-2 15-17'
SB-3 10-12'
Stockpile

**Samples:**

S006722-CCV1

**SW846 8260B/C**

**Samples:**

S006722-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (32.3%)
Acrylonitrile (-21.1%)
Bromobenzene (21.2%)
Chloromethane (-27.3%)
Ethanol (-30.4%)
Hexachlorobutadiene (21.0%)
Tetrachloroethene (31.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-20.6%)
4-Methyl-2-pentanone (MIBK) (25.6%)
Tert-amyl methyl ether (-22.6%)

This affected the following samples:

1015559-BLK1
1015559-BS1
1015559-BSD1
ECS-1 15-17'
ECS-2 10-12'
SB-1 15-17'
SB-2 15-17'
SB-3 10-12'
Stockpile

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-1 15-17'** | 91-214474 | Soil | 20-Jul-10 10:00 | 21-Jul-10 |
| SB15513-01 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | 1 | VOC Soil Extraction | 21-Jul-10 | 21-Jul-10 | SJL | 1015508 | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 17.8 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | BRL | | µg/kg dry | 56.9 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 67-64-1 | Acetone | BRL | | µg/kg dry | 569 | 50 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 75-25-2 | Bromoform | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | BRL | | µg/kg dry | 114 | 50 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone (MEK) | BRL | | µg/kg dry | 569 | 50 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 75-15-0 | Carbon disulfide | BRL | | µg/kg dry | 114 | 50 | " | " | " | " | " | |
| 56-23-5 | Carbon tetrachloride | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | BRL | | µg/kg dry | 114 | 50 | " | " | " | " | " | |
| 67-66-3 | Chloroform | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | BRL | | µg/kg dry | 114 | 50 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | BRL | | µg/kg dry | 114 | 50 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | BRL | | µg/kg dry | 114 | 50 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 156-59-2 | cis-1,2-Dichloroethene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 10061-01-5 | cis-1,3-Dichloropropene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone (MBK) | BRL | | µg/kg dry | 569 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-1 15-17'** | 91-214474 | Soil | 20-Jul-10 10:00 | 21-Jul-10 |
| SB15513-01 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 17.8 g | | | | | | | |
| 98-82-8 | Isopropylbenzene | BRL | | µg/kg dry | 56.9 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 99-87-6 | 4-Isopropyltoluene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | BRL | | µg/kg dry | 569 | 50 | " | " | " | " | " | |
| 75-09-2 | Methylene chloride | BRL | | µg/kg dry | 114 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 100-42-5 | Styrene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 75-01-4 | Vinyl chloride | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 114 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | BRL | | µg/kg dry | 114 | 50 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 994-05-8 | Tert-amyl methyl ether | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | BRL | | µg/kg dry | 56.9 | 50 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | BRL | | µg/kg dry | 569 | 50 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | BRL | | µg/kg dry | 1140 | 50 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | BRL | | µg/kg dry | 284 | 50 | " | " | " | " | " | |
| 64-17-5 | Ethanol | BRL | | µg/kg dry | 22800 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *460-00-4* | *4-Bromofluorobenzene* | *96* | | | *70-130 %* | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *120* | | | *70-130 %* | | " | " | " | " | " | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *88* | | | *70-130 %* | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *80* | | | *70-130 %* | | " | " | " | " | " | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 16.85 g | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.895 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.298 | 50 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/kg dry | 0.298 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-1 15-17'** | 91-214474 | Soil | 20-Jul-10 10:00 | 21-Jul-10 |
| SB15513-01 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 16.85 g | | | | | | | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.895 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.298 | 50 | " | " | " | " | " | |
| VPH Target Analytes | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 16.85 g | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 59.7 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 59.7 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 59.7 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 59.7 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 59.7 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 59.7 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *78* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *78* | | | *70-130 %* | | " | " | " | " | " | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 86.2 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-1 6-8'** SB15513-02 | 91-214474 | Soil | 20-Jul-10 13:45 | 21-Jul-10 |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GC** | | | | | | | | | | | | |
| Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A | | | | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | BRL | | µg/kg dry | 20.1 | 1 | SW846 8082 | 24-Jul-10 | 27-Jul-10 | SM | 1015726 | |
| 11104-28-2 | Aroclor-1221 | BRL | | µg/kg dry | 20.1 | 1 | " | " | " | " | " | |
| 11141-16-5 | Aroclor-1232 | BRL | | µg/kg dry | 20.1 | 1 | " | " | " | " | " | |
| 53469-21-9 | Aroclor-1242 | BRL | | µg/kg dry | 20.1 | 1 | " | " | " | " | " | |
| 12672-29-6 | Aroclor-1248 | 13,700 | E | µg/kg dry | 20.1 | 1 | " | " | " | " | " | |
| 11097-69-1 | Aroclor-1254 | BRL | | µg/kg dry | 20.1 | 1 | " | " | " | " | " | |
| 11096-82-5 | Aroclor-1260 | BRL | | µg/kg dry | 20.1 | 1 | " | " | " | " | " | |
| 37324-23-5 | Aroclor-1262 | BRL | | µg/kg dry | 20.1 | 1 | " | " | " | " | " | |
| 11100-14-4 | Aroclor-1268 | BRL | | µg/kg dry | 20.1 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr)* | *78* | | | *30-150 %* | | " | " | " | " | " | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *84* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr)* | *90* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr) [2C]* | *101* | | | *30-150 %* | | " | " | " | " | " | |
| Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A | | | | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | BRL | | µg/kg dry | 201 | 10 | SW846 8082 | 24-Jul-10 | 27-Jul-10 | SM | 1015726 | |
| 11104-28-2 | Aroclor-1221 | BRL | | µg/kg dry | 201 | 10 | " | " | " | " | " | |
| 11141-16-5 | Aroclor-1232 | BRL | | µg/kg dry | 201 | 10 | " | " | " | " | " | |
| 53469-21-9 | Aroclor-1242 | BRL | | µg/kg dry | 201 | 10 | " | " | " | " | " | |
| 12672-29-6 | Aroclor-1248 | 13,400 | | µg/kg dry | 201 | 10 | " | " | " | " | " | |
| 11097-69-1 | Aroclor-1254 | BRL | | µg/kg dry | 201 | 10 | " | " | " | " | " | |
| 11096-82-5 | Aroclor-1260 | BRL | | µg/kg dry | 201 | 10 | " | " | " | " | " | |
| 37324-23-5 | Aroclor-1262 | BRL | | µg/kg dry | 201 | 10 | " | " | " | " | " | |
| 11100-14-4 | Aroclor-1268 | BRL | | µg/kg dry | 201 | 10 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr)* | *75* | | | *30-150 %* | | " | " | " | " | " | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *95* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr)* | *110* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr) [2C]* | *120* | | | *30-150 %* | | " | " | " | " | " | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 94.2 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-2 15-17'** | 91-214474 | Soil | 20-Jul-10 11:25 | 21-Jul-10 |
| SB15513-03 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | 1 | VOC Soil Extraction | 21-Jul-10 | 21-Jul-10 | SJL | 1015508 | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 15.14 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | BRL | | µg/kg dry | 59.5 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 67-64-1 | Acetone | BRL | | µg/kg dry | 595 | 50 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 75-25-2 | Bromoform | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone (MEK) | BRL | | µg/kg dry | 595 | 50 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 75-15-0 | Carbon disulfide | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 56-23-5 | Carbon tetrachloride | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 67-66-3 | Chloroform | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 156-59-2 | cis-1,2-Dichloroethene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 10061-01-5 | cis-1,3-Dichloropropene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone (MBK) | BRL | | µg/kg dry | 595 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-2 15-17'** | 91-214474 | Soil | 20-Jul-10 11:25 | 21-Jul-10 |
| SB15513-03 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 15.14 g | | | | | | | |
| 98-82-8 | Isopropylbenzene | BRL | | µg/kg dry | 59.5 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 99-87-6 | 4-Isopropyltoluene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | BRL | | µg/kg dry | 595 | 50 | " | " | " | " | " | |
| 75-09-2 | Methylene chloride | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 100-42-5 | Styrene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 75-01-4 | Vinyl chloride | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | BRL | | µg/kg dry | 119 | 50 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 994-05-8 | Tert-amyl methyl ether | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | BRL | | µg/kg dry | 59.5 | 50 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | BRL | | µg/kg dry | 595 | 50 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | BRL | | µg/kg dry | 1190 | 50 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | BRL | | µg/kg dry | 297 | 50 | " | " | " | " | " | |
| 64-17-5 | Ethanol | BRL | | µg/kg dry | 23800 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *460-00-4* | *4-Bromofluorobenzene* | *94* | | | *70-130 %* | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *119* | | | *70-130 %* | | " | " | " | " | " | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *86* | | | *70-130 %* | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *79* | | | *70-130 %* | | " | " | " | " | " | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 17.81 g | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.770 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.257 | 50 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/kg dry | 0.257 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-2 15-17'** | 91-214474 | Soil | 20-Jul-10 11:25 | 21-Jul-10 |
| SB15513-03 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 17.81 g | | | | | | | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.770 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.257 | 50 | " | " | " | " | " | |
| VPH Target Analytes | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 17.81 g | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 51.3 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 51.3 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 51.3 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 51.3 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 51.3 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 51.3 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *72* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *71* | | | *70-130 %* | | " | " | " | " | " | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 90.9 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-2 6-8'** | 91-214474 | Soil | 20-Jul-10 13:45 | 21-Jul-10 |
| SB15513-04 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GC** | | | | | | | | | | | | |
| Polychlorinated Biphenyls by SW846 8082<br>Prepared by method SW846 3545A | | | | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | BRL | | µg/kg dry | 21.0 | 1 | SW846 8082 | 24-Jul-10 | 27-Jul-10 | SM | 1015726 | |
| 11104-28-2 | Aroclor-1221 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 11141-16-5 | Aroclor-1232 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 53469-21-9 | Aroclor-1242 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 12672-29-6 | Aroclor-1248 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 11097-69-1 | Aroclor-1254 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 11096-82-5 | Aroclor-1260 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 37324-23-5 | Aroclor-1262 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 11100-14-4 | Aroclor-1268 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr)* | *91* | | | *30-150 %* | | " | " | " | " | " | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *94* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr)* | *118* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr) [2C]* | *111* | | | *30-150 %* | | " | " | " | " | " | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 91.3 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-3 10-12'** | 91-214474 | Soil | 20-Jul-10 13:40 | 21-Jul-10 |
| SB15513-05 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | 1 | VOC Soil Extraction | 21-Jul-10 | 21-Jul-10 | SJL | 1015508 | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 14.66 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | BRL | | µg/kg dry | 70.2 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 67-64-1 | Acetone | BRL | | µg/kg dry | 702 | 50 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 75-25-2 | Bromoform | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | BRL | | µg/kg dry | 140 | 50 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone (MEK) | BRL | | µg/kg dry | 702 | 50 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 75-15-0 | Carbon disulfide | BRL | | µg/kg dry | 140 | 50 | " | " | " | " | " | |
| 56-23-5 | Carbon tetrachloride | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | BRL | | µg/kg dry | 140 | 50 | " | " | " | " | " | |
| 67-66-3 | Chloroform | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | BRL | | µg/kg dry | 140 | 50 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | BRL | | µg/kg dry | 140 | 50 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | BRL | | µg/kg dry | 140 | 50 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 156-59-2 | cis-1,2-Dichloroethene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 10061-01-5 | cis-1,3-Dichloropropene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone (MBK) | BRL | | µg/kg dry | 702 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-3 10-12'** | 91-214474 | Soil | 20-Jul-10 13:40 | 21-Jul-10 |
| SB15513-05 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 14.66 g | | | | | | | |
| 98-82-8 | Isopropylbenzene | BRL | | µg/kg dry | 70.2 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 99-87-6 | 4-Isopropyltoluene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | BRL | | µg/kg dry | 702 | 50 | " | " | " | " | " | |
| 75-09-2 | Methylene chloride | BRL | | µg/kg dry | 140 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 100-42-5 | Styrene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 75-01-4 | Vinyl chloride | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 140 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | BRL | | µg/kg dry | 140 | 50 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 994-05-8 | Tert-amyl methyl ether | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | BRL | | µg/kg dry | 70.2 | 50 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | BRL | | µg/kg dry | 702 | 50 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | BRL | | µg/kg dry | 1400 | 50 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | BRL | | µg/kg dry | 351 | 50 | " | " | " | " | " | |
| 64-17-5 | Ethanol | BRL | | µg/kg dry | 28100 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *460-00-4* | *4-Bromofluorobenzene* | *91* | | | *70-130 %* | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *114* | | | *70-130 %* | | " | " | " | " | " | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *85* | | | *70-130 %* | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *79* | | | *70-130 %* | | " | " | " | " | " | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 17.07 g | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.925 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.308 | 50 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/kg dry | 0.308 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-3 10-12'** | 91-214474 | Soil | 20-Jul-10 13:40 | 21-Jul-10 |
| SB15513-05 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 17.07 g | | | | | | | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.925 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.308 | 50 | " | " | " | " | " | |
| VPH Target Analytes | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 17.07 g | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 61.7 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 61.7 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 61.7 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 61.7 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 61.7 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 123 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 61.7 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *100* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *99* | | | *70-130 %* | | " | " | " | " | " | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 84.1 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **SB-3 6-8'** | 91-214474 | Soil | 20-Jul-10 13:45 | 21-Jul-10 |
| SB15513-06 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GC** | | | | | | | | | | | | |
| Polychlorinated Biphenyls by SW846 8082<br>Prepared by method SW846 3545A | | | | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | BRL | | µg/kg dry | 20.2 | 1 | SW846 8082 | 24-Jul-10 | 27-Jul-10 | SM | 1015726 | |
| 11104-28-2 | Aroclor-1221 | BRL | | µg/kg dry | 20.2 | 1 | " | " | " | " | " | |
| 11141-16-5 | Aroclor-1232 | BRL | | µg/kg dry | 20.2 | 1 | " | " | " | " | " | |
| 53469-21-9 | Aroclor-1242 | BRL | | µg/kg dry | 20.2 | 1 | " | " | " | " | " | |
| 12672-29-6 | Aroclor-1248 | BRL | | µg/kg dry | 20.2 | 1 | " | " | " | " | " | |
| 11097-69-1 | Aroclor-1254 | BRL | | µg/kg dry | 20.2 | 1 | " | " | " | " | " | |
| 11096-82-5 | Aroclor-1260 | BRL | | µg/kg dry | 20.2 | 1 | " | " | " | " | " | |
| 37324-23-5 | Aroclor-1262 | BRL | | µg/kg dry | 20.2 | 1 | " | " | " | " | " | |
| 11100-14-4 | Aroclor-1268 | BRL | | µg/kg dry | 20.2 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr)* | *74* | | | *30-150 %* | | " | " | " | " | " | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *115* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr)* | *122* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr) [2C]* | *113* | | | *30-150 %* | | " | " | " | " | " | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 93.6 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **ECS-1 15-17'** | 91-214474 | Soil | 21-Jul-10 10:45 | 21-Jul-10 |
| SB15513-07 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | 1 | VOC Soil Extraction | 21-Jul-10 | 21-Jul-10 | SJL | 1015508 | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 15.17 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | BRL | | µg/kg dry | 64.5 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 67-64-1 | Acetone | BRL | | µg/kg dry | 645 | 50 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 75-25-2 | Bromoform | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | BRL | | µg/kg dry | 129 | 50 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone (MEK) | BRL | | µg/kg dry | 645 | 50 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 75-15-0 | Carbon disulfide | BRL | | µg/kg dry | 129 | 50 | " | " | " | " | " | |
| 56-23-5 | Carbon tetrachloride | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | BRL | | µg/kg dry | 129 | 50 | " | " | " | " | " | |
| 67-66-3 | Chloroform | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | BRL | | µg/kg dry | 129 | 50 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | BRL | | µg/kg dry | 129 | 50 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | BRL | | µg/kg dry | 129 | 50 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 156-59-2 | cis-1,2-Dichloroethene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 10061-01-5 | cis-1,3-Dichloropropene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone (MBK) | BRL | | µg/kg dry | 645 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **ECS-1 15-17'** SB15513-07 | 91-214474 | Soil | 21-Jul-10 10:45 | 21-Jul-10 |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 15.17 g | | | | | | | |
| 98-82-8 | Isopropylbenzene | BRL | | µg/kg dry | 64.5 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 99-87-6 | 4-Isopropyltoluene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | BRL | | µg/kg dry | 645 | 50 | " | " | " | " | " | |
| 75-09-2 | Methylene chloride | BRL | | µg/kg dry | 129 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 100-42-5 | Styrene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 75-01-4 | Vinyl chloride | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 129 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | BRL | | µg/kg dry | 129 | 50 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 994-05-8 | Tert-amyl methyl ether | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | BRL | | µg/kg dry | 64.5 | 50 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | BRL | | µg/kg dry | 645 | 50 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | BRL | | µg/kg dry | 1290 | 50 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | BRL | | µg/kg dry | 323 | 50 | " | " | " | " | " | |
| 64-17-5 | Ethanol | BRL | | µg/kg dry | 25800 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *460-00-4* | *4-Bromofluorobenzene* | *92* | | | *70-130 %* | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *112* | | | *70-130 %* | | " | " | " | " | " | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *88* | | | *70-130 %* | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *81* | | | *70-130 %* | | " | " | " | " | " | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 17.03 g | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.874 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.291 | 50 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/kg dry | 0.291 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **ECS-1 15-17'** SB15513-07 | 91-214474 | Soil | 21-Jul-10 10:45 | 21-Jul-10 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 17.03 g | | | | | | | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.874 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.291 | 50 | " | " | " | " | " | |
| VPH Target Analytes | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 17.03 g | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 58.3 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 58.3 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 58.3 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 58.3 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 58.3 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 117 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 58.3 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *114* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *115* | | | *70-130 %* | | " | " | " | " | " | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 86.8 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **ECS-1 6-8'** SB15513-08 | 91-214474 | Soil | 21-Jul-10 10:40 | 21-Jul-10 |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GC** | | | | | | | | | | | | |
| Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A | | | | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | BRL | | µg/kg dry | 21.0 | 1 | SW846 8082 | 24-Jul-10 | 27-Jul-10 | SM | 1015726 | |
| 11104-28-2 | Aroclor-1221 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 11141-16-5 | Aroclor-1232 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 53469-21-9 | Aroclor-1242 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 12672-29-6 | Aroclor-1248 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 11097-69-1 | Aroclor-1254 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 11096-82-5 | Aroclor-1260 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 37324-23-5 | Aroclor-1262 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| 11100-14-4 | Aroclor-1268 | BRL | | µg/kg dry | 21.0 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr)* | *82* | | | *30-150 %* | | " | " | " | " | " | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *102* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr)* | *118* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr) [2C]* | *117* | | | *30-150 %* | | " | " | " | " | " | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 87.8 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **ECS-2 10-12'** | 91-214474 | Soil | 21-Jul-10 13:15 | 21-Jul-10 |
| SB15513-09 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | 1 | VOC Soil Extraction | 21-Jul-10 | 21-Jul-10 | SJL | 1015508 | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 15.72 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | BRL | | µg/kg dry | 51.7 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 67-64-1 | Acetone | BRL | | µg/kg dry | 517 | 50 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 75-25-2 | Bromoform | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone (MEK) | BRL | | µg/kg dry | 517 | 50 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 75-15-0 | Carbon disulfide | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 56-23-5 | Carbon tetrachloride | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 67-66-3 | Chloroform | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 156-59-2 | cis-1,2-Dichloroethene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 10061-01-5 | cis-1,3-Dichloropropene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone (MBK) | BRL | | µg/kg dry | 517 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **ECS-2 10-12'** SB15513-09 | 91-214474 | Soil | 21-Jul-10 13:15 | 21-Jul-10 |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 15.72 g | | | | | | | |
| 98-82-8 | Isopropylbenzene | BRL | | µg/kg dry | 51.7 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 99-87-6 | 4-Isopropyltoluene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | BRL | | µg/kg dry | 517 | 50 | " | " | " | " | " | |
| 75-09-2 | Methylene chloride | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 100-42-5 | Styrene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 75-01-4 | Vinyl chloride | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | BRL | | µg/kg dry | 103 | 50 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 994-05-8 | Tert-amyl methyl ether | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | BRL | | µg/kg dry | 51.7 | 50 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | BRL | | µg/kg dry | 517 | 50 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | BRL | | µg/kg dry | 1030 | 50 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | BRL | | µg/kg dry | 258 | 50 | " | " | " | " | " | |
| 64-17-5 | Ethanol | BRL | | µg/kg dry | 20700 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *460-00-4* | *4-Bromofluorobenzene* | *91* | | | *70-130 %* | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *109* | | | *70-130 %* | | " | " | " | " | " | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *88* | | | *70-130 %* | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *81* | | | *70-130 %* | | " | " | " | " | " | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 14.41 g | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.843 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.281 | 50 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/kg dry | 0.281 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **ECS-2 10-12'** SB15513-09 | 91-214474 | Soil | 21-Jul-10 13:15 | 21-Jul-10 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 14.41 g | | | | | | | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.843 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.281 | 50 | " | " | " | " | " | |
| VPH Target Analytes | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 14.41 g | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 56.2 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 56.2 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 56.2 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 56.2 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 56.2 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 112 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 56.2 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *70* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *72* | | | *70-130 %* | | " | " | " | " | " | |
| **Semivolatile Organic Compounds by GC** | | | | | | | | | | | | |
| Polychlorinated Biphenyls by SW846 8082 | | | | | | | | | | | | |
| Prepared by method SW846 3545A | | | | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | BRL | | µg/kg dry | 19.8 | 1 | SW846 8082 | 24-Jul-10 | 27-Jul-10 | SM | 1015726 | |
| 11104-28-2 | Aroclor-1221 | BRL | | µg/kg dry | 19.8 | 1 | " | " | " | " | " | |
| 11141-16-5 | Aroclor-1232 | BRL | | µg/kg dry | 19.8 | 1 | " | " | " | " | " | |
| 53469-21-9 | Aroclor-1242 | BRL | | µg/kg dry | 19.8 | 1 | " | " | " | " | " | |
| 12672-29-6 | Aroclor-1248 | 79.3 | | µg/kg dry | 19.8 | 1 | " | " | " | " | " | |
| 11097-69-1 | Aroclor-1254 | BRL | | µg/kg dry | 19.8 | 1 | " | " | " | " | " | |
| 11096-82-5 | Aroclor-1260 | BRL | | µg/kg dry | 19.8 | 1 | " | " | " | " | " | |
| 37324-23-5 | Aroclor-1262 | BRL | | µg/kg dry | 19.8 | 1 | " | " | " | " | " | |
| 11100-14-4 | Aroclor-1268 | BRL | | µg/kg dry | 19.8 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr)* | *85* | | | *30-150 %* | | " | " | " | " | " | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *95* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr)* | *105* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr) [2C]* | *109* | | | *30-150 %* | | " | " | " | " | " | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 96.1 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **Stockpile** | 91-214474 | Soil | 21-Jul-10 13:00 | 21-Jul-10 |
| SB15513-10 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | 1 | VOC Soil Extraction | 21-Jul-10 | 21-Jul-10 | SJL | 1015508 | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 15.79 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | BRL | | µg/kg dry | 55.1 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 67-64-1 | Acetone | BRL | | µg/kg dry | 551 | 50 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 75-25-2 | Bromoform | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | BRL | | µg/kg dry | 110 | 50 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone (MEK) | BRL | | µg/kg dry | 551 | 50 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 75-15-0 | Carbon disulfide | BRL | | µg/kg dry | 110 | 50 | " | " | " | " | " | |
| 56-23-5 | Carbon tetrachloride | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | BRL | | µg/kg dry | 110 | 50 | " | " | " | " | " | |
| 67-66-3 | Chloroform | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | BRL | | µg/kg dry | 110 | 50 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | BRL | | µg/kg dry | 110 | 50 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | BRL | | µg/kg dry | 110 | 50 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 156-59-2 | cis-1,2-Dichloroethene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 10061-01-5 | cis-1,3-Dichloropropene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone (MBK) | BRL | | µg/kg dry | 551 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **Stockpile** | 91-214474 | Soil | 21-Jul-10 13:00 | 21-Jul-10 |
| SB15513-10 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | |
| Prepared by method SW846 5030 Soil (high level) | | | | | Initial weight: 15.79 g | | | | | | | |
| 98-82-8 | Isopropylbenzene | BRL | | µg/kg dry | 55.1 | 50 | SW846 8260B/C | 22-Jul-10 | 22-Jul-10 | adu | 1015559 | |
| 99-87-6 | 4-Isopropyltoluene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | BRL | | µg/kg dry | 551 | 50 | " | " | " | " | " | |
| 75-09-2 | Methylene chloride | BRL | | µg/kg dry | 110 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 100-42-5 | Styrene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 75-01-4 | Vinyl chloride | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 110 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | BRL | | µg/kg dry | 110 | 50 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 994-05-8 | Tert-amyl methyl ether | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | BRL | | µg/kg dry | 55.1 | 50 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | BRL | | µg/kg dry | 551 | 50 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | BRL | | µg/kg dry | 1100 | 50 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | BRL | | µg/kg dry | 275 | 50 | " | " | " | " | " | |
| 64-17-5 | Ethanol | BRL | | µg/kg dry | 22000 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *460-00-4* | *4-Bromofluorobenzene* | *89* | | | *70-130 %* | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *108* | | | *70-130 %* | | " | " | " | " | " | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *88* | | | *70-130 %* | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *80* | | | *70-130 %* | | " | " | " | " | " | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 15.66 g | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.833 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.278 | 50 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/kg dry | 0.278 | 50 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **Stockpile** | 91-214474 | Soil | 21-Jul-10 13:00 | 21-Jul-10 |
| SB15513-10 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 15.66 g | | | | | | | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.833 | 50 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 27-Jul-10 | mp | 1015863 | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg dry | 0.278 | 50 | " | " | " | " | " | |
| VPH Target Analytes | | | | | | | | | | | | |
| Prepared by method VPH - EPA 5030B | | | | | Initial weight: 15.66 g | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/kg dry | 55.5 | 50 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/kg dry | 55.5 | 50 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/kg dry | 55.5 | 50 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/kg dry | 55.5 | 50 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/kg dry | 55.5 | 50 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/kg dry | 111 | 50 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/kg dry | 55.5 | 50 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *101* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *100* | | | *70-130 %* | | " | " | " | " | " | |
| **Semivolatile Organic Compounds by GC** | | | | | | | | | | | | |
| Polychlorinated Biphenyls by SW846 8082 | | | | | | | | | | | | |
| Prepared by method SW846 3545A | | | | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | BRL | | µg/kg dry | 21.5 | 1 | SW846 8082 | 24-Jul-10 | 27-Jul-10 | SM | 1015726 | |
| 11104-28-2 | Aroclor-1221 | BRL | | µg/kg dry | 21.5 | 1 | " | " | " | " | " | |
| 11141-16-5 | Aroclor-1232 | BRL | | µg/kg dry | 21.5 | 1 | " | " | " | " | " | |
| 53469-21-9 | Aroclor-1242 | BRL | | µg/kg dry | 21.5 | 1 | " | " | " | " | " | |
| 12672-29-6 | Aroclor-1248 | 71.3 | | µg/kg dry | 21.5 | 1 | " | " | " | " | " | |
| 11097-69-1 | Aroclor-1254 | BRL | | µg/kg dry | 21.5 | 1 | " | " | " | " | " | |
| 11096-82-5 | Aroclor-1260 | BRL | | µg/kg dry | 21.5 | 1 | " | " | " | " | " | |
| 37324-23-5 | Aroclor-1262 | BRL | | µg/kg dry | 21.5 | 1 | " | " | " | " | " | |
| 11100-14-4 | Aroclor-1268 | BRL | | µg/kg dry | 21.5 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr)* | *89* | | | *30-150 %* | | " | " | " | " | " | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *104* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr)* | *109* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr) [2C]* | *108* | | | *30-150 %* | | " | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons** | | | | | | | | | | | | |
| TPH 8100 by GC | | | | | | | | | | | | |
| Prepared by method SW846 3545A | | | | | | | | | | | | |
| 8006-61-9 | Gasoline | BRL | | mg/kg dry | 28.7 | 1 | +SW846 8100Mod. | 23-Jul-10 | 26-Jul-10 | SHM | 1015713 | |
| 68476-30-2 | Fuel Oil #2 | BRL | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |
| 68476-31-3 | Fuel Oil #4 | BRL | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |
| 68553-00-4 | Fuel Oil #6 | BRL | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |
| M09800000 | Motor Oil | BRL | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |
| 8032-32-4 | Ligroin | BRL | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |
| J00100000 | Aviation Fuel | BRL | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |
| | Hydraulic Oil | BRL | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |
| | Dielectric Fluid | BRL | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **Stockpile** | 91-214474 | Soil | 21-Jul-10 13:00 | 21-Jul-10 |
| SB15513-10 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Petroleum Hydrocarbons** | | | | | | | | | | | | |
| TPH 8100 by GC | | | | | | | | | | | | |
| Prepared by method SW846 3545A | | | | | | | | | | | | |
| | Unidentified | 35.1 | | mg/kg dry | 28.7 | 1 | +SW846 8100Mod. | 23-Jul-10 | 26-Jul-10 | SHM | 1015713 | |
| | Other Oil | Calculated as | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |
| | Total Petroleum Hydrocarbons | 35.1 | | mg/kg dry | 28.7 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *3386-33-2* | *1-Chlorooctadecane* | *64* | | | *40-140 %* | | " | " | " | " | " | |
| **Total Metals by EPA 6000/7000 Series Methods** | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | 1.43 | | mg/kg dry | 1.37 | 1 | SW846 6010B | 26-Jul-10 | 27-Jul-10 | TBG | 1015739 | |
| 7440-43-9 | Cadmium | BRL | | mg/kg dry | 0.455 | 1 | " | " | " | " | " | |
| 7440-47-3 | Chromium | 10.7 | | mg/kg dry | 0.910 | 1 | " | " | " | " | " | |
| 7439-97-6 | Mercury | BRL | | mg/kg dry | 0.0323 | 1 | SW846 7471A | " | 28-Jul-10 | HB | 1015740 | |
| 7439-92-1 | Lead | 2.90 | | mg/kg dry | 1.37 | 1 | SW846 6010B | " | 27-Jul-10 | TBG | 1015739 | |
| **General Chemistry Parameters** | | | | | | | | | | | | |
| | % Solids | 92.8 | | % | | 1 | SM2540 G Mod. | 21-Jul-10 | 21-Jul-10 | BD | 1015495 | |
| | Total Organic Carbon | 656 | | mg/kg | 100 | 1 | Lloyd Kahn | 27-Jul-10 | 27-Jul-10 | ELE | 1015875 | |
| **Toxicity Characteristics** | | | | | | | | | | | | |
| | Flashpoint | >200 | | °F | | 1 | SW846 1010 | 22-Jul-10 | 22-Jul-10 | BD | 1015583 | |
| | pH | 6.43 | pH | pH Units | | 1 | SW846 9045C | 22-Jul-10 07:45 | 22-Jul-10 07:45 | BD | 1015528 | |
| Reactivity Cyanide/Sulfide | | | | | | | | | | | | |
| Prepared by method General Preparation | | | | | | | | | | | | |
| | Reactivity | Nonreactive | | mg/kg dry | | 1 | SW846 Ch. 7.3 | 23-Jul-10 | 23-Jul-10 | AB | 1015702 | |
| | Reactive Cyanide | BRL | | mg/kg dry | 24.3 | 1 | " | " | " | " | " | |
| | Reactive Sulfide | BRL | | mg/kg dry | 48.7 | 1 | " | " | " | " | " | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015559 - SW846 5030 Soil (high level)** | | | | | | | | | | |
| **Blank (1015559-BLK1)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | BRL | | µg/kg wet | 50.0 | | | | | | |
| Acetone | BRL | | µg/kg wet | 500 | | | | | | |
| Acrylonitrile | BRL | | µg/kg wet | 50.0 | | | | | | |
| Benzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Bromobenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Bromochloromethane | BRL | | µg/kg wet | 50.0 | | | | | | |
| Bromodichloromethane | BRL | | µg/kg wet | 50.0 | | | | | | |
| Bromoform | BRL | | µg/kg wet | 50.0 | | | | | | |
| Bromomethane | BRL | | µg/kg wet | 100 | | | | | | |
| 2-Butanone (MEK) | BRL | | µg/kg wet | 500 | | | | | | |
| n-Butylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| sec-Butylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| tert-Butylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Carbon disulfide | BRL | | µg/kg wet | 100 | | | | | | |
| Carbon tetrachloride | BRL | | µg/kg wet | 50.0 | | | | | | |
| Chlorobenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Chloroethane | BRL | | µg/kg wet | 100 | | | | | | |
| Chloroform | BRL | | µg/kg wet | 50.0 | | | | | | |
| Chloromethane | BRL | | µg/kg wet | 100 | | | | | | |
| 2-Chlorotoluene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 4-Chlorotoluene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | BRL | | µg/kg wet | 100 | | | | | | |
| Dibromochloromethane | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | BRL | | µg/kg wet | 50.0 | | | | | | |
| Dibromomethane | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichlorobenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichlorobenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dichlorobenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | BRL | | µg/kg wet | 100 | | | | | | |
| 1,1-Dichloroethane | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloroethane | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloroethene | BRL | | µg/kg wet | 50.0 | | | | | | |
| cis-1,2-Dichloroethene | BRL | | µg/kg wet | 50.0 | | | | | | |
| trans-1,2-Dichloroethene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloropropane | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichloropropane | BRL | | µg/kg wet | 50.0 | | | | | | |
| 2,2-Dichloropropane | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloropropene | BRL | | µg/kg wet | 50.0 | | | | | | |
| cis-1,3-Dichloropropene | BRL | | µg/kg wet | 50.0 | | | | | | |
| trans-1,3-Dichloropropene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Ethylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Hexachlorobutadiene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 2-Hexanone (MBK) | BRL | | µg/kg wet | 500 | | | | | | |
| Isopropylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 4-Isopropyltoluene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Methyl tert-butyl ether | BRL | | µg/kg wet | 50.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | BRL | | µg/kg wet | 500 | | | | | | |
| Methylene chloride | BRL | | µg/kg wet | 100 | | | | | | |
| Naphthalene | BRL | | µg/kg wet | 50.0 | | | | | | |
| n-Propylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Styrene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | BRL | | µg/kg wet | 50.0 | | | | | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015559 - SW846 5030 Soil (high level)** | | | | | | | | | | |
| **Blank (1015559-BLK1)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| 1,1,2,2-Tetrachloroethane | BRL | | µg/kg wet | 50.0 | | | | | | |
| Tetrachloroethene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Toluene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,2,3-Trichlorobenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trichlorobenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trichlorobenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,1,1-Trichloroethane | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,1,2-Trichloroethane | BRL | | µg/kg wet | 50.0 | | | | | | |
| Trichloroethene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,2,3-Trichloropropane | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trimethylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trimethylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Vinyl chloride | BRL | | µg/kg wet | 50.0 | | | | | | |
| m,p-Xylene | BRL | | µg/kg wet | 100 | | | | | | |
| o-Xylene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Tetrahydrofuran | BRL | | µg/kg wet | 100 | | | | | | |
| Ethyl ether | BRL | | µg/kg wet | 50.0 | | | | | | |
| Tert-amyl methyl ether | BRL | | µg/kg wet | 50.0 | | | | | | |
| Ethyl tert-butyl ether | BRL | | µg/kg wet | 50.0 | | | | | | |
| Di-isopropyl ether | BRL | | µg/kg wet | 50.0 | | | | | | |
| Tert-Butanol / butyl alcohol | BRL | | µg/kg wet | 500 | | | | | | |
| 1,4-Dioxane | BRL | | µg/kg wet | 1000 | | | | | | |
| trans-1,4-Dichloro-2-butene | BRL | | µg/kg wet | 250 | | | | | | |
| Ethanol | BRL | | µg/kg wet | 20000 | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *25.8* | | µg/kg wet | | *30.0* | | *86* | *70-130* | | |
| *Surrogate: Toluene-d8* | *32.3* | | µg/kg wet | | *30.0* | | *108* | *70-130* | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *25.4* | | µg/kg wet | | *30.0* | | *85* | *70-130* | | |
| *Surrogate: Dibromofluoromethane* | *25.9* | | µg/kg wet | | *30.0* | | *86* | *70-130* | | |
| **LCS (1015559-BS1)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Acetone | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Acrylonitrile | 16.3 | | µg/kg wet | | 20.0 | | 82 | 70-130 | | |
| Benzene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Bromobenzene | 24.6 | | µg/kg wet | | 20.0 | | 123 | 70-130 | | |
| Bromochloromethane | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Bromodichloromethane | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Bromoform | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Bromomethane | 18.9 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 2-Butanone (MEK) | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| n-Butylbenzene | 15.8 | | µg/kg wet | | 20.0 | | 79 | 70-130 | | |
| sec-Butylbenzene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| tert-Butylbenzene | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Carbon disulfide | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Carbon tetrachloride | 17.1 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Chlorobenzene | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Chloroethane | 17.3 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Chloroform | 18.3 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Chloromethane | 14.9 | | µg/kg wet | | 20.0 | | 74 | 70-130 | | |
| 2-Chlorotoluene | 23.6 | | µg/kg wet | | 20.0 | | 118 | 70-130 | | |
| 4-Chlorotoluene | 19.9 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015559 - SW846 5030 Soil (high level)** | | | | | | | | | | |
| **LCS (1015559-BS1)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| 1,2-Dibromo-3-chloropropane | 16.1 | | µg/kg wet | | 20.0 | | 81 | 70-130 | | |
| Dibromochloromethane | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 21.7 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Dibromomethane | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,2-Dichlorobenzene | 22.0 | | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| 1,3-Dichlorobenzene | 23.3 | | µg/kg wet | | 20.0 | | 116 | 70-130 | | |
| 1,4-Dichlorobenzene | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| 1,1-Dichloroethane | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,2-Dichloroethane | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,1-Dichloroethene | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| trans-1,2-Dichloroethene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 1,2-Dichloropropane | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,3-Dichloropropane | 21.7 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| 2,2-Dichloropropane | 16.7 | | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| 1,1-Dichloropropene | 19.9 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| cis-1,3-Dichloropropene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| trans-1,3-Dichloropropene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Ethylbenzene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Hexachlorobutadiene | 23.3 | | µg/kg wet | | 20.0 | | 117 | 70-130 | | |
| 2-Hexanone (MBK) | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Isopropylbenzene | 23.0 | | µg/kg wet | | 20.0 | | 115 | 70-130 | | |
| 4-Isopropyltoluene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Methyl tert-butyl ether | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 24.7 | | µg/kg wet | | 20.0 | | 124 | 70-130 | | |
| Methylene chloride | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Naphthalene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| n-Propylbenzene | 17.7 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| Styrene | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 23.5 | | µg/kg wet | | 20.0 | | 118 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Tetrachloroethene | 25.0 | | µg/kg wet | | 20.0 | | 125 | 70-130 | | |
| Toluene | 22.5 | | µg/kg wet | | 20.0 | | 113 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 18.1 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,1,1-Trichloroethane | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| 1,1,2-Trichloroethane | 22.2 | | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| Trichloroethene | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,2,3-Trichloropropane | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 18.9 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Vinyl chloride | 17.3 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| m,p-Xylene | 41.6 | | µg/kg wet | | 40.0 | | 104 | 70-130 | | |
| o-Xylene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Tetrahydrofuran | 15.9 | | µg/kg wet | | 20.0 | | 80 | 70-130 | | |
| Ethyl ether | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Tert-amyl methyl ether | 16.0 | | µg/kg wet | | 20.0 | | 80 | 70-130 | | |
| Ethyl tert-butyl ether | 16.8 | | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| Di-isopropyl ether | 17.0 | | µg/kg wet | | 20.0 | | 85 | 70-130 | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015559 - SW846 5030 Soil (high level)** | | | | | | | | | | |
| **LCS (1015559-BS1)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| Tert-Butanol / butyl alcohol | 175 | | µg/kg wet | | 200 | | 87 | 70-130 | | |
| 1,4-Dioxane | 195 | | µg/kg wet | | 200 | | 97 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 16.3 | | µg/kg wet | | 20.0 | | 81 | 70-130 | | |
| Ethanol | 297 | | µg/kg wet | | 400 | | 74 | 70-130 | | |
| *Surrogate: 4-Bromofluorobenzene* | *31.7* | | µg/kg wet | | *30.0* | | *106* | *70-130* | | |
| *Surrogate: Toluene-d8* | *33.6* | | µg/kg wet | | *30.0* | | *112* | *70-130* | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *25.8* | | µg/kg wet | | *30.0* | | *86* | *70-130* | | |
| *Surrogate: Dibromofluoromethane* | *28.6* | | µg/kg wet | | *30.0* | | *95* | *70-130* | | |
| **LCS Dup (1015559-BSD1)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 17.4 | | µg/kg wet | | 20.0 | | 87 | 70-130 | 10 | 25 |
| Acetone | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 8 | 50 |
| Acrylonitrile | 16.4 | | µg/kg wet | | 20.0 | | 82 | 70-130 | 0.6 | 25 |
| Benzene | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 9 | 25 |
| Bromobenzene | 22.9 | | µg/kg wet | | 20.0 | | 114 | 70-130 | 7 | 25 |
| Bromochloromethane | 19.7 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 8 | 25 |
| Bromodichloromethane | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 4 | 25 |
| Bromoform | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 0.8 | 25 |
| Bromomethane | 16.6 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 13 | 50 |
| 2-Butanone (MEK) | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 2 | 50 |
| n-Butylbenzene | 14.0 | | µg/kg wet | | 20.0 | | 70 | 70-130 | 12 | 25 |
| sec-Butylbenzene | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 10 | 25 |
| tert-Butylbenzene | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 11 | 25 |
| Carbon disulfide | 15.6 | | µg/kg wet | | 20.0 | | 78 | 70-130 | 16 | 25 |
| Carbon tetrachloride | 15.4 | | µg/kg wet | | 20.0 | | 77 | 70-130 | 11 | 25 |
| Chlorobenzene | 19.5 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 8 | 25 |
| Chloroethane | 16.2 | | µg/kg wet | | 20.0 | | 81 | 70-130 | 7 | 50 |
| Chloroform | 17.1 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 7 | 25 |
| Chloromethane | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 17 | 25 |
| 2-Chlorotoluene | 22.1 | | µg/kg wet | | 20.0 | | 111 | 70-130 | 6 | 25 |
| 4-Chlorotoluene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 7 | 25 |
| 1,2-Dibromo-3-chloropropane | 14.8 | | µg/kg wet | | 20.0 | | 74 | 70-130 | 8 | 25 |
| Dibromochloromethane | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 6 | 50 |
| 1,2-Dibromoethane (EDB) | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 5 | 25 |
| Dibromomethane | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 5 | 25 |
| 1,2-Dichlorobenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 7 | 25 |
| 1,3-Dichlorobenzene | 21.5 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 8 | 25 |
| 1,4-Dichlorobenzene | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 6 | 25 |
| Dichlorodifluoromethane (Freon12) | 16.2 | | µg/kg wet | | 20.0 | | 81 | 70-130 | 13 | 50 |
| 1,1-Dichloroethane | 16.3 | | µg/kg wet | | 20.0 | | 81 | 70-130 | 10 | 25 |
| 1,2-Dichloroethane | 16.5 | | µg/kg wet | | 20.0 | | 82 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 11 | 25 |
| cis-1,2-Dichloroethene | 18.3 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 10 | 25 |
| trans-1,2-Dichloroethene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 11 | 25 |
| 1,2-Dichloropropane | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 5 | 25 |
| 1,3-Dichloropropane | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 4 | 25 |
| 2,2-Dichloropropane | 14.8 | | µg/kg wet | | 20.0 | | 74 | 70-130 | 12 | 25 |
| 1,1-Dichloropropene | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 10 | 25 |
| cis-1,3-Dichloropropene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 5 | 25 |
| trans-1,3-Dichloropropene | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 5 | 25 |
| Ethylbenzene | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 8 | 25 |
| Hexachlorobutadiene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 17 | 50 |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015559 - SW846 5030 Soil (high level)** | | | | | | | | | | |
| **LCS Dup (1015559-BSD1)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| 2-Hexanone (MBK) | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 0.7 | 25 |
| Isopropylbenzene | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 7 | 25 |
| 4-Isopropyltoluene | 16.2 | | µg/kg wet | | 20.0 | | 81 | 70-130 | 9 | 25 |
| Methyl tert-butyl ether | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 4 | 25 |
| 4-Methyl-2-pentanone (MIBK) | 27.7 | | µg/kg wet | | 20.0 | | 138 | 70-130 | 11 | 50 |
| Methylene chloride | 18.1 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 7 | 25 |
| Naphthalene | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 6 | 25 |
| n-Propylbenzene | 15.8 | | µg/kg wet | | 20.0 | | 79 | 70-130 | 11 | 25 |
| Styrene | 17.3 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 8 | 25 |
| 1,1,1,2-Tetrachloroethane | 21.8 | | µg/kg wet | | 20.0 | | 109 | 70-130 | 7 | 25 |
| 1,1,2,2-Tetrachloroethane | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 0.7 | 25 |
| Tetrachloroethene | 22.4 | | µg/kg wet | | 20.0 | | 112 | 70-130 | 11 | 25 |
| Toluene | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 9 | 25 |
| 1,2,3-Trichlorobenzene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 7 | 25 |
| 1,2,4-Trichlorobenzene | 17.0 | | µg/kg wet | | 20.0 | | 85 | 70-130 | 6 | 25 |
| 1,3,5-Trichlorobenzene | 19.7 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 7 | 25 |
| 1,1,1-Trichloroethane | 16.6 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 9 | 25 |
| 1,1,2-Trichloroethane | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 5 | 25 |
| Trichloroethene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 9 | 25 |
| Trichlorofluoromethane (Freon 11) | 17.0 | | µg/kg wet | | 20.0 | | 85 | 70-130 | 12 | 50 |
| 1,2,3-Trichloropropane | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.8 | 25 |
| 1,2,4-Trimethylbenzene | 17.3 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 9 | 25 |
| 1,3,5-Trimethylbenzene | 17.1 | | µg/kg wet | | 20.0 | | 85 | 70-130 | 11 | 25 |
| Vinyl chloride | 14.6 | | µg/kg wet | | 20.0 | | 73 | 70-130 | 17 | 25 |
| m,p-Xylene | 38.0 | | µg/kg wet | | 40.0 | | 95 | 70-130 | 9 | 25 |
| o-Xylene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 7 | 25 |
| Tetrahydrofuran | 17.7 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 11 | 25 |
| Ethyl ether | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 7 | 50 |
| Tert-amyl methyl ether | 15.3 | | µg/kg wet | | 20.0 | | 76 | 70-130 | 5 | 25 |
| Ethyl tert-butyl ether | 15.9 | | µg/kg wet | | 20.0 | | 80 | 70-130 | 6 | 25 |
| Di-isopropyl ether | 16.0 | | µg/kg wet | | 20.0 | | 80 | 70-130 | 6 | 25 |
| Tert-Butanol / butyl alcohol | 176 | | µg/kg wet | | 200 | | 88 | 70-130 | 0.9 | 25 |
| 1,4-Dioxane | 212 | | µg/kg wet | | 200 | | 106 | 70-130 | 9 | 25 |
| trans-1,4-Dichloro-2-butene | 15.2 | | µg/kg wet | | 20.0 | | 76 | 70-130 | 7 | 25 |
| Ethanol | 321 | | µg/kg wet | | 400 | | 80 | 70-130 | 8 | 30 |
| *Surrogate: 4-Bromofluorobenzene* | *32.0* | | µg/kg wet | | *30.0* | | *107* | *70-130* | | |
| *Surrogate: Toluene-d8* | *33.3* | | µg/kg wet | | *30.0* | | *111* | *70-130* | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *26.0* | | µg/kg wet | | *30.0* | | *87* | *70-130* | | |
| *Surrogate: Dibromofluoromethane* | *28.5* | | µg/kg wet | | *30.0* | | *95* | *70-130* | | |
| **Batch 1015863 - VPH - EPA 5030B** | | | | | | | | | | |
| **Blank (1015863-BLK1)** | | | | | Prepared & Analyzed: 27-Jul-10 | | | | | |
| C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg wet | 0.750 | | | | | | |
| C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg wet | 0.250 | | | | | | |
| C9-C10 Aromatic Hydrocarbons | BRL | | mg/kg wet | 0.250 | | | | | | |
| Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/kg wet | 0.750 | | | | | | |
| Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/kg wet | 0.250 | | | | | | |
| Benzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Ethylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| Methyl tert-butyl ether | BRL | | µg/kg wet | 50.0 | | | | | | |
| Naphthalene | BRL | | µg/kg wet | 50.0 | | | | | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015863 - VPH - EPA 5030B** | | | | | | | | | | |
| **Blank (1015863-BLK1)** | | | | | | Prepared & Analyzed: 27-Jul-10 | | | | |
| Toluene | BRL | | µg/kg wet | 50.0 | | | | | | |
| m,p-Xylene | BRL | | µg/kg wet | 100 | | | | | | |
| o-Xylene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 2-Methylpentane | BRL | | µg/kg wet | 50.0 | | | | | | |
| n-Nonane | BRL | | µg/kg wet | 100 | | | | | | |
| n-Pentane | BRL | | µg/kg wet | 100 | | | | | | |
| 1,2,4-Trimethylbenzene | BRL | | µg/kg wet | 50.0 | | | | | | |
| 2,2,4-Trimethylpentane | BRL | | µg/kg wet | 50.0 | | | | | | |
| n-Butylcyclohexane | BRL | | µg/kg wet | 50.0 | | | | | | |
| n-Decane | BRL | | µg/kg wet | 50.0 | | | | | | |
| *Surrogate: 2,5-Dibromotoluene (FID)* | *46.2* | | µg/kg wet | | *50.0* | | *92* | *70-130* | | |
| *Surrogate: 2,5-Dibromotoluene (PID)* | *47.3* | | µg/kg wet | | *50.0* | | *95* | *70-130* | | |
| **LCS (1015863-BS1)** | | | | | | Prepared & Analyzed: 27-Jul-10 | | | | |
| C5-C8 Aliphatic Hydrocarbons | 64.2 | | mg/kg wet | | 60.0 | | 107 | 70-130 | | |
| C9-C12 Aliphatic Hydrocarbons | 65.9 | | mg/kg wet | | 60.0 | | 110 | 70-130 | | |
| C9-C10 Aromatic Hydrocarbons | 20.8 | | mg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Unadjusted C5-C8 Aliphatic Hydrocarbons | 207 | | mg/kg wet | | 200 | | 103 | 70-130 | | |
| Unadjusted C9-C12 Aliphatic Hydrocarbons | 86.6 | | mg/kg wet | | 80.0 | | 108 | 70-130 | | |
| Benzene | 22.2 | | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| Ethylbenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Methyl tert-butyl ether | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Naphthalene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Toluene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| m,p-Xylene | 39.5 | | µg/kg wet | | 40.0 | | 99 | 70-130 | | |
| o-Xylene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| 2-Methylpentane | 21.5 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| n-Nonane | 22.2 | | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| n-Pentane | 19.5 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| 2,2,4-Trimethylpentane | 22.3 | | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| n-Butylcyclohexane | 21.1 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| n-Decane | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| *Surrogate: 2,5-Dibromotoluene (FID)* | *50.4* | | µg/kg wet | | *50.0* | | *101* | *70-130* | | |
| *Surrogate: 2,5-Dibromotoluene (PID)* | *51.3* | | µg/kg wet | | *50.0* | | *103* | *70-130* | | |
| **LCS Dup (1015863-BSD1)** | | | | | | Prepared & Analyzed: 27-Jul-10 | | | | |
| C5-C8 Aliphatic Hydrocarbons | 51.0 | | mg/kg wet | | 60.0 | | 85 | 70-130 | 23 | 25 |
| C9-C12 Aliphatic Hydrocarbons | 62.9 | | mg/kg wet | | 60.0 | | 105 | 70-130 | 5 | 25 |
| C9-C10 Aromatic Hydrocarbons | 21.4 | | mg/kg wet | | 20.0 | | 107 | 70-130 | 3 | 25 |
| Unadjusted C5-C8 Aliphatic Hydrocarbons | 193 | | mg/kg wet | | 200 | | 97 | 70-130 | 7 | 25 |
| Unadjusted C9-C12 Aliphatic Hydrocarbons | 84.3 | | mg/kg wet | | 80.0 | | 105 | 70-130 | 3 | 25 |
| Benzene | 19.7 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 12 | 25 |
| Ethylbenzene | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 5 | 25 |
| Methyl tert-butyl ether | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 11 | 25 |
| Naphthalene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 4 | 25 |
| Toluene | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 3 | 25 |
| m,p-Xylene | 41.7 | | µg/kg wet | | 40.0 | | 104 | 70-130 | 5 | 25 |
| o-Xylene | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 7 | 25 |
| 2-Methylpentane | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 17 | 25 |
| n-Nonane | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 9 | 25 |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015863 - VPH - EPA 5030B** | | | | | | | | | | |
| **LCS Dup (1015863-BSD1)** | | | | | Prepared & Analyzed: 27-Jul-10 | | | | | |
| n-Pentane | 16.7 | | µg/kg wet | | 20.0 | | 84 | 70-130 | 15 | 25 |
| 1,2,4-Trimethylbenzene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 7 | 25 |
| 2,2,4-Trimethylpentane | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 14 | 25 |
| n-Butylcyclohexane | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.9 | 25 |
| n-Decane | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 15 | 25 |
| *Surrogate: 2,5-Dibromotoluene (FID)* | *48.3* | | µg/kg wet | | *50.0* | | *97* | *70-130* | | |
| *Surrogate: 2,5-Dibromotoluene (PID)* | *49.2* | | µg/kg wet | | *50.0* | | *98* | *70-130* | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015726 - SW846 3545A** | | | | | | | | | | |
| **Blank (1015726-BLK1)** | | | | | | Prepared: 24-Jul-10 Analyzed: 27-Jul-10 | | | | |
| Aroclor-1016 | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1016 [2C] | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1221 | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1221 [2C] | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1232 | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1232 [2C] | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1242 | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1242 [2C] | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1248 | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1248 [2C] | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1254 | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1254 [2C] | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1260 | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1260 [2C] | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1262 | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1262 [2C] | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1268 | BRL | | µg/kg wet | 20.0 | | | | | | |
| Aroclor-1268 [2C] | BRL | | µg/kg wet | 20.0 | | | | | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *15.6* | | µg/kg wet | | *20.0* | | *78* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *18.5* | | µg/kg wet | | *20.0* | | *92* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *18.8* | | µg/kg wet | | *20.0* | | *94* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *22.1* | | µg/kg wet | | *20.0* | | *111* | *30-150* | | |
| **LCS (1015726-BS1)** | | | | | | Prepared: 24-Jul-10 Analyzed: 27-Jul-10 | | | | |
| Aroclor-1016 | 221 | | µg/kg wet | 20.0 | 250 | | 88 | 50-140 | | |
| Aroclor-1016 [2C] | 243 | | µg/kg wet | 20.0 | 250 | | 97 | 50-140 | | |
| Aroclor-1260 | 239 | | µg/kg wet | 20.0 | 250 | | 96 | 50-140 | | |
| Aroclor-1260 [2C] | 221 | | µg/kg wet | 20.0 | 250 | | 88 | 50-140 | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *17.6* | | µg/kg wet | | *20.0* | | *88* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *17.3* | | µg/kg wet | | *20.0* | | *86* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *19.5* | | µg/kg wet | | *20.0* | | *98* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *21.1* | | µg/kg wet | | *20.0* | | *106* | *30-150* | | |
| **LCS Dup (1015726-BSD1)** | | | | | | Prepared: 24-Jul-10 Analyzed: 27-Jul-10 | | | | |
| Aroclor-1016 | 225 | | µg/kg wet | 20.0 | 250 | | 90 | 50-140 | 2 | 30 |
| Aroclor-1016 [2C] | 224 | | µg/kg wet | 20.0 | 250 | | 89 | 50-140 | 8 | 30 |
| Aroclor-1260 | 250 | | µg/kg wet | 20.0 | 250 | | 100 | 50-140 | 4 | 30 |
| Aroclor-1260 [2C] | 217 | | µg/kg wet | 20.0 | 250 | | 87 | 50-140 | 2 | 30 |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *13.9* | | µg/kg wet | | *20.0* | | *70* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *18.5* | | µg/kg wet | | *20.0* | | *92* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *21.2* | | µg/kg wet | | *20.0* | | *106* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *20.6* | | µg/kg wet | | *20.0* | | *103* | *30-150* | | |
| **Duplicate (1015726-DUP1)** | | | **Source: SB15513-02** | | | Prepared: 24-Jul-10 Analyzed: 27-Jul-10 | | | | |
| Aroclor-1016 | BRL | | µg/kg dry | 19.9 | | BRL | | | | 40 |
| Aroclor-1221 | BRL | | µg/kg dry | 19.9 | | BRL | | | | 40 |
| Aroclor-1232 | BRL | | µg/kg dry | 19.9 | | BRL | | | | 40 |
| Aroclor-1242 | BRL | | µg/kg dry | 19.9 | | BRL | | | | 40 |
| Aroclor-1248 | 8680 | E | µg/kg dry | 19.9 | | 13700 | | | 45 | 40 |
| Aroclor-1254 | BRL | | µg/kg dry | 19.9 | | BRL | | | | 40 |
| Aroclor-1260 | BRL | | µg/kg dry | 19.9 | | BRL | | | | 40 |
| Aroclor-1262 | BRL | | µg/kg dry | 19.9 | | BRL | | | | 40 |
| Aroclor-1268 | BRL | | µg/kg dry | 19.9 | | BRL | | | | 40 |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015726 - SW846 3545A** | | | | | | | | | | |
| **Duplicate (1015726-DUP1)** | | | **Source: SB15513-02** | | Prepared: 24-Jul-10 Analyzed: 27-Jul-10 | | | | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *13.7* | | µg/kg dry | | *19.9* | | *69* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *19.3* | | µg/kg dry | | *19.9* | | *97* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *22.3* | | µg/kg dry | | *19.9* | | *112* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *22.7* | | µg/kg dry | | *19.9* | | *114* | *30-150* | | |
| **Duplicate (1015726-DUP2)** | | GS1 | **Source: SB15513-02RE1** | | Prepared: 24-Jul-10 Analyzed: 27-Jul-10 | | | | | |
| Aroclor-1016 | BRL | | µg/kg dry | 199 | | BRL | | | | 40 |
| Aroclor-1221 | BRL | | µg/kg dry | 199 | | BRL | | | | 40 |
| Aroclor-1232 | BRL | | µg/kg dry | 199 | | BRL | | | | 40 |
| Aroclor-1242 | BRL | | µg/kg dry | 199 | | BRL | | | | 40 |
| Aroclor-1248 | 8090 | QR5 | µg/kg dry | 199 | | 13400 | | | 49 | 40 |
| Aroclor-1254 | BRL | | µg/kg dry | 199 | | BRL | | | | 40 |
| Aroclor-1260 | BRL | | µg/kg dry | 199 | | BRL | | | | 40 |
| Aroclor-1262 | BRL | | µg/kg dry | 199 | | BRL | | | | 40 |
| Aroclor-1268 | BRL | | µg/kg dry | 199 | | BRL | | | | 40 |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *15.9* | | µg/kg dry | | *19.9* | | *80* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *22.9* | | µg/kg dry | | *19.9* | | *115* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *16.9* | | µg/kg dry | | *19.9* | | *85* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *25.9* | | µg/kg dry | | *19.9* | | *130* | *30-150* | | |
| **Matrix Spike (1015726-MS1)** | | | **Source: SB15513-02** | | Prepared: 24-Jul-10 Analyzed: 27-Jul-10 | | | | | |
| Aroclor-1016 | 3380 | QM2 | µg/kg dry | 21.0 | 263 | BRL | 1290 | 40-135 | | |
| Aroclor-1260 | 336 | | µg/kg dry | 21.0 | 263 | BRL | 128 | 40-135 | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *14.4* | | µg/kg dry | | *21.0* | | *68* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *17.2* | | µg/kg dry | | *21.0* | | *82* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *20.3* | | µg/kg dry | | *21.0* | | *96* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *21.2* | | µg/kg dry | | *21.0* | | *101* | *30-150* | | |
| **Matrix Spike Dup (1015726-MSD1)** | | | **Source: SB15513-02** | | Prepared: 24-Jul-10 Analyzed: 27-Jul-10 | | | | | |
| Aroclor-1016 | 2690 | QM2 | µg/kg dry | 20.9 | 261 | BRL | 1030 | 40-135 | 22 | 30 |
| Aroclor-1260 | 339 | | µg/kg dry | 20.9 | 261 | BRL | 130 | 40-135 | 1 | 30 |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *16.0* | | µg/kg dry | | *20.9* | | *76* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *19.0* | | µg/kg dry | | *20.9* | | *91* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *22.6* | | µg/kg dry | | *20.9* | | *108* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *21.2* | | µg/kg dry | | *20.9* | | *102* | *30-150* | | |

## Total Metals by EPA 6000/7000 Series Methods - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015739 - SW846 3050B** | | | | | | | | | | |
| **Blank (1015739-BLK1)** | | | | | | Prepared: 26-Jul-10 | Analyzed: 27-Jul-10 | | | |
| Lead | BRL | | mg/kg wet | 1.45 | | | | | | |
| Chromium | BRL | | mg/kg wet | 0.964 | | | | | | |
| Arsenic | BRL | | mg/kg wet | 1.45 | | | | | | |
| Cadmium | BRL | | mg/kg wet | 0.482 | | | | | | |
| **Reference (1015739-SRM1)** | | | | | | Prepared: 26-Jul-10 | Analyzed: 27-Jul-10 | | | |
| Lead | 69.0 | | mg/kg wet | 1.50 | 73.1 | | 94 | 81.3-118.8 | | |
| Arsenic | 66.7 | | mg/kg wet | 1.50 | 70.0 | | 95 | 82.6-117.4 | | |
| Cadmium | 35.8 | | mg/kg wet | 0.500 | 36.0 | | 99 | 82.9-116.9 | | |
| Chromium | 54.5 | | mg/kg wet | 1.00 | 53.3 | | 102 | 80.3-119 | | |
| **Reference (1015739-SRM2)** | | | | | | Prepared: 26-Jul-10 | Analyzed: 27-Jul-10 | | | |
| Lead | 70.4 | | mg/kg wet | 1.50 | 74.3 | | 95 | 81.3-118.8 | | |
| Arsenic | 67.6 | | mg/kg wet | 1.50 | 71.2 | | 95 | 82.6-117.4 | | |
| Cadmium | 36.4 | | mg/kg wet | 0.500 | 36.6 | | 99 | 82.9-116.9 | | |
| Chromium | 56.2 | | mg/kg wet | 1.00 | 54.2 | | 104 | 80.3-119 | | |
| **Batch 1015740 - EPA200/SW7000 Series** | | | | | | | | | | |
| **Blank (1015740-BLK1)** | | | | | | Prepared: 26-Jul-10 | Analyzed: 28-Jul-10 | | | |
| Mercury | BRL | | mg/kg wet | 0.0272 | | | | | | |
| **Reference (1015740-SRM1)** | | | | | | Prepared: 26-Jul-10 | Analyzed: 28-Jul-10 | | | |
| Mercury | 7.69 | | mg/kg wet | 0.600 | 6.63 | | 116 | 71.5-128.1 | | |

## General Chemistry Parameters - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015875 - General Preparation** | | | | | | | | | | |
| **Blank (1015875-BLK1)** | | | | | | Prepared & Analyzed: 27-Jul-10 | | | | |
| Total Organic Carbon | BRL | | mg/kg | 100 | | | | | | |
| **Reference (1015875-SRM1)** | | | | | | Prepared & Analyzed: 27-Jul-10 | | | | |
| Total Organic Carbon | 2980 | | mg/kg | 100 | 3210 | | 93 | 67.35-180.7 | | |

## Toxicity Characteristics - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015528 - General Preparation** | | | | | | | | | | |
| **Reference (1015528-SRM1)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| pH | 6.10 | | pH Units | | 6.00 | | 102 | 97.5-102.5 | | |
| **Reference (1015528-SRM2)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| pH | 6.34 | | pH Units | | 6.25 | | 101 | 92-108 | | |
| **Batch 1015583 - General Preparation** | | | | | | | | | | |
| **Reference (1015583-SRM1)** | | | | | Prepared & Analyzed: 22-Jul-10 | | | | | |
| Flashpoint | 82 | | °F | | 81.0 | | 101 | 95-105 | | |
| **Batch 1015702 - General Preparation** | | | | | | | | | | |
| **Blank (1015702-BLK1)** | | | | | Prepared & Analyzed: 23-Jul-10 | | | | | |
| Reactivity | Nonreactive | | mg/kg wet | | | | | | | |
| Reactive Cyanide | BRL | | mg/kg wet | 25.0 | | | | | | |
| Reactive Sulfide | BRL | | mg/kg wet | 50.0 | | | | | | |
| **Reference (1015702-SRM1)** | | | | | Prepared & Analyzed: 23-Jul-10 | | | | | |
| Reactive Cyanide | 3.52 | | mg/kg wet | 25.0 | 100 | | 4 | 0-200 | | |
| **Reference (1015702-SRM2)** | | | | | Prepared & Analyzed: 23-Jul-10 | | | | | |
| Reactive Sulfide | 72.1 | | mg/kg wet | 50.0 | 6700 | | 1 | 0-200 | | |

# Volatile Organic Compounds - CCV Evaluation Report

| Analyte(s) | Average RF | CCRF | % D | Limit |
|---|---|---|---|---|
| **Batch S006860** | | | | |
| **Calibration Check (S006860-CCV1)** | | | | |
| Benzene | 318608.3 | 342390.4 | 7.5 | 25 |
| Ethylbenzene | 131079.1 | 131565.2 | 0.4 | 25 |
| Methyl tert-butyl ether | 183902.1 | 193249.9 | 5.1 | 25 |
| Naphthalene | 114325.1 | 110766.3 | -3.1 | 25 |
| Toluene | 189464.7 | 190847.2 | 0.7 | 25 |
| m,p-Xylene | 142733.8 | 144797.4 | 1.4 | 25 |
| o-Xylene | 119374.1 | 119476.5 | 0.09 | 25 |
| 2-Methylpentane | 72451.65 | 75075.4 | 3.6 | 25 |
| n-Nonane | 29006.56 | 32818.6 | 13.1 | 25 |
| n-Pentane | 70266.01 | 65906.46 | -6.2 | 25 |
| 1,2,4-Trimethylbenzene | 117338.9 | 119400.8 | 1.8 | 25 |
| 2,2,4-Trimethylpentane | 61364.9 | 66069.56 | 7.7 | 25 |
| n-Butylcyclohexane | 27423.44 | 29221.66 | 6.6 | 25 |
| n-Decane | 22080.07 | 23218.98 | 5.2 | 25 |

## Notes and Definitions

| | |
|---|---|
| E | The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag). |
| GS1 | Sample dilution required for high concentration of target analytes to be within the instrument calibration range. |
| QM2 | The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample. |
| QR5 | RPD out of acceptance range. |
| BRL | Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit |
| dry | Sample results reported on a dry weight basis |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| pH | The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt. |

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

The following outlines the condition of all VPH samples contained within this report upon laboratory receipt.

| | | | |
|---|---|---|---|
| **Matrices** | Soil | | |
| **Containers** | ✓ Satisfactory | | |
| **Sample Preservative** | **Aqueous** (acid preserved) | ✓ N/A pH≤2 pH>2 | |
| | **Soil or Sediment** | N/A Samples not received in Methanol | ml Methanol/g soil<br>✓ 1:1 +/-25%<br>Other |
| | | ✓ Samples received in Methanol: ✓ covering soil/sediment<br>not covering soil/sediment | |
| | | ✓ Samples received in air-tight container | |
| **Temperature** | ✓ Received on ice ✓ Received at 4 ± 2 ºC | | |

Were all QA/QC procedures followed as required by the VPH method? *Yes*
Were any significant modifications made to the VPH method as specified in section 11.3? *No *see below*
Were all performance/acceptance standards for required QA/QC procedures achieved? *Yes*
* Yes, if PID and FID surrogate recoveries are listed as n/a, then that sample was run via GCMS using all QC criteria specified in the method

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

# MassDEP Analytical Protocol Certification Form

| | |
|---|---|
| **Laboratory Name:** Spectrum Analytical, Inc. | **Project #:** 91-214474 |
| **Project Location:** Sunoco-88 So. Maple St-Westfield, MA | **RTN:** |
| **This form provides certifications for the following data set:** | SB15513-01 through SB15513-10 |
| **Matrices:** Soil | |

**CAM Protocol**

| | | | | | |
|---|---|---|---|---|---|
| ✓ 8260 VOC CAM II A | ✓ 7470/7471 Hg CAM III B | ✓ MassDEP VPH CAM IV A | 8081 Pesticides CAM V B | 7196 Hex Cr CAM VI B | MassDEP APH CAM IX A |
| 8270 SVOC CAM II B | 7010 Metals CAM III C | MassDEP EPH CAM IV B | 8151 Herbicides CAM V C | 8330 Explosives CAM VIII A | TO-15 VOC CAM IX B |
| ✓ 6010 Metals CAM III A | 6020 Metals CAM III D | ✓ 8082 PCB CAM V A | 9014 Total Cyanide/PAC CAM VI A | 6860 Perchlorate CAM VIII B | |

***Affirmative responses to questions A through F are required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| **A** | Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | ✓ Yes No |
| **B** | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed? | ✓ Yes No |
| **C** | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances? | ✓ Yes No |
| **D** | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? | ✓ Yes No |
| **E** | a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)?<br>b. APH and TO-15 Methods only: Was the complete analyte list reported for each method? | ✓ Yes No<br>Yes No |
| **F** | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)? | ✓ Yes No |

***Responses to questions G, H and I below are required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| **G** | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? | Yes ✓ No |

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

| | | |
|---|---|---|
| **H** | Were all QC performance standards specified in the CAM protocol(s) achieved? | Yes ✓ No |
| **I** | Were results reported for the complete analyte list specified in the selected CAM protocol(s)? | Yes ✓ No |

***All negative responses are addressed in a case narrative on the cover page of this report.***

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director
Date: 7/29/2010

SB15513

SPECTRUM ANALYTICAL, INC.
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# CHAIN OF CUSTODY RECORD

Page 1 of 1

**Special Handling:**
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day 7/28/10
- All TAT's subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: ECS

Telephone #: 413-789-3530

Project Mgr. Abby Albano

Invoice To: ECS

P.O. No.: _____ RQN: 6766

Project No.: 91-214474

Site Name: Sunoco Westfield (S. Maple St.)

Location: 88 S. Maple St. Westfield State: Ma.

Sampler(s): Steve Stamm

1=$Na_2S_2O_3$ 2=HCl 3=$H_2SO_4$ 4=$HNO_3$ 5=NaOH 6=Ascorbic Acid 7=$CH_3OH$
8= $NaHSO_4$ 9= ICE 10= _____ 11= _____

List preservative code below: 7/9 9 9

QA/QC Reporting Notes: (check as needed)

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

| Lab Id: | Sample Id: | Date: | Time: | Type | Matrix | # of VOA Vials * | # of Amber Glass | # of Clear Glass | # of Plastic | | VOC's/uPH | PCB's | Ondrick Pre-qual | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB15513-01 | SB-1 15-17' | 7/20/10 | 10:00 | G | SO | 3 | | 1 | | | X | | | | | | | | |
| 02 | SB-1 6-8' | | 1:45 | | | | | 1 | | | | X | | | | | | | |
| 03 | SB-2 15-17' | | 11:25 | | | 3 | | 1 | | | X | | | | | | | | |
| 04 | SB-2 6-8' | | 1:45 | | | | | 1 | | | | X | | | | | | | |
| 05 | SB-3 10-12' | | 1:40 | | | 3 | | 1 | | | X | | | | | | | | |
| 06 | SB-3 6-8' | | 1:45 | | | | | 1 | | | | X | | | | | | | |
| 07 | ECS-1 15-17' | 7/21/10 | 10:45 | | | 3 | | 1 | | | X | | | | | | | | |
| 08 | ECS-1 6-8' | | 10:40 | | | | | 1 | | | | X | | | | | | | |
| 09 | ECS-2 10-12' | | 1:15 | | | 3 | | 1 | | | X | X | | | | | | | |
| 10 | Stockpile | | 1:00 | C | | 3 | | 2 | | | X | | X | | | | | | |

Containers: # of VOA Vials * | # of Amber Glass | # of Clear Glass | # of Plastic

Analyses: VOC's/uPH | PCB's | Ondrick Pre-qual

☒ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

**QA/QC Reporting Level**
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

| Relinquished by: | Received by: | Date: | Time: | Temp°C |
|---|---|---|---|---|
| [signature] | [signature] | 7/21 | 13:55 | 2.0 |

☐ EDD Format _____
☒ E-mail to AAlbano@ecsconsult.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

Report Date:
28-Jul-10 15:27

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

**SPECTRUM ANALYTICAL, INC.**
***Featuring***
**HANIBAL TECHNOLOGY**

# *Laboratory Report*

Environmental Compliance Services
588 Silver Street
Agawam, MA 01001
Attn: Abby Albano

Project: 88 South Maple St. - Westfield, MA
Project #: 91-214474.00

| Laboratory ID | Client Sample ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| SB15658-01 | ECS-1 | Ground Water | 23-Jul-10 13:15 | 23-Jul-10 15:24 |
| SB15658-02 | ECS-2 | Ground Water | 23-Jul-10 14:10 | 23-Jul-10 15:24 |
| SB15658-03 | MW-101 | Ground Water | 23-Jul-10 12:15 | 23-Jul-10 15:24 |
| SB15658-04 | MW-102 | Ground Water | 23-Jul-10 13:40 | 23-Jul-10 15:24 |
| SB15658-05 | MW-6 | Ground Water | 23-Jul-10 12:34 | 23-Jul-10 15:24 |
| SB15658-06 | Trip Blank | Deionized Water | 23-Jul-10 08:00 | 23-Jul-10 15:24 |

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes.
Please note that this report contains 15 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

*Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).*

*Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.*

**CASE NARRATIVE:**

The samples were received 4.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

**There is no relevant protocol-specific QC and/or performance standards non-conformances to report.**

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **ECS-1** | 91-214474.00 | Ground Water | 23-Jul-10 13:15 | 23-Jul-10 |
| SB15658-01 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 5 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 28-Jul-10 | mp | 1015864 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 5 | " | " | " | " | " | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| VPH Target Analytes Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/l | 10.0 | 5 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *83* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *81* | | | *70-130 %* | | " | " | " | " | " | |
| **Semivolatile Organic Compounds by GC** | | | | | | | | | | | | |
| Polychlorinated Biphenyls by EPA 608 Prepared by method SW846 3510C | | | | | | | | | | | | |
| | Preservation | | | | | | | 23-Jul-10 | | | | |
| 12674-11-2 | Aroclor-1016 | BRL | | µg/l | 0.0650 | 1 | EPA 608 | 26-Jul-10 | 28-Jul-10 | IMR | 1015814 | X |
| 11104-28-2 | Aroclor-1221 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 11141-16-5 | Aroclor-1232 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 53469-21-9 | Aroclor-1242 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 12672-29-6 | Aroclor-1248 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 11097-69-1 | Aroclor-1254 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 11096-82-5 | Aroclor-1260 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 37324-23-5 | Aroclor-1262 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | |
| 11100-14-4 | Aroclor-1268 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr)* | *87* | | | *30-150 %* | | " | " | " | " | " | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *91* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr)* | *34* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr) [2C]* | *45* | | | *30-150 %* | | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **ECS-2** | 91-214474.00 | Ground Water | 23-Jul-10 14:10 | 23-Jul-10 |
| SB15658-02 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 5 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 28-Jul-10 | mp | 1015864 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 5 | " | " | " | " | " | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| VPH Target Analytes Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/l | 10.0 | 5 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *82* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *82* | | | *70-130 %* | | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **MW-101** | 91-214474.00 | Ground Water | 23-Jul-10 12:15 | 23-Jul-10 |
| SB15658-03 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 1 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 28-Jul-10 | mp | 1015864 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 1 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/l | 0.0250 | 1 | " | " | " | " | " | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 1 | " | " | " | " | " | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 1 | " | " | " | " | " | |
| VPH Target Analytes Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/l | 10.0 | 1 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *99* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *102* | | | *70-130 %* | | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **MW-102** | 91-214474.00 | Ground Water | 23-Jul-10 13:40 | 23-Jul-10 |
| SB15658-04 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 5 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 28-Jul-10 | mp | 1015864 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 5 | " | " | " | " | " | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| VPH Target Analytes Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/l | 10.0 | 5 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *97* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *94* | | | *70-130 %* | | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **MW-6** | 91-214474.00 | Ground Water | 23-Jul-10 12:34 | 23-Jul-10 |
| SB15658-05 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 5 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 28-Jul-10 | mp | 1015864 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 5 | " | " | " | " | " | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 5 | " | " | " | " | " | |
| VPH Target Analytes Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/l | 10.0 | 5 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/l | 5.0 | 5 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *98* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *97* | | | *70-130 %* | | " | " | " | " | " | |
| **Semivolatile Organic Compounds by GC** | | | | | | | | | | | | |
| Polychlorinated Biphenyls by EPA 608 Prepared by method SW846 3510C | | | | | | | | | | | | |
| | Preservation | | | | | | | 23-Jul-10 | | | | |
| 12674-11-2 | Aroclor-1016 | BRL | | µg/l | 0.0650 | 1 | EPA 608 | 26-Jul-10 | 28-Jul-10 | IMR | 1015814 | X |
| 11104-28-2 | Aroclor-1221 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 11141-16-5 | Aroclor-1232 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 53469-21-9 | Aroclor-1242 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 12672-29-6 | Aroclor-1248 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 11097-69-1 | Aroclor-1254 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 11096-82-5 | Aroclor-1260 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | X |
| 37324-23-5 | Aroclor-1262 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | |
| 11100-14-4 | Aroclor-1268 | BRL | | µg/l | 0.0650 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr)* | *117* | | | *30-150 %* | | " | " | " | " | " | |
| *10386-84-2* | *4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *85* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr)* | *53* | | | *30-150 %* | | " | " | " | " | " | |
| *2051-24-3* | *Decachlorobiphenyl (Sr) [2C]* | *59* | | | *30-150 %* | | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **Trip Blank** | 91-214474.00 | Deionized Water | 23-Jul-10 08:00 | 23-Jul-10 |
| SB15658-06 | | | | |

| *CAS No.* | *Analyte(s)* | *Result* | *Flag* | *Units* | **RDL* | *Dilution* | *Method Ref.* | *Prepared* | *Analyzed* | *Analyst* | *Batch* | *Cert.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | | | | | |
| VPH Aliphatic/Aromatic Carbon Ranges Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| | C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 1 | +MADEP VPH 5/2004 Rev. 1.1 | 27-Jul-10 | 28-Jul-10 | mp | 1015864 | |
| | C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 1 | " | " | " | " | " | |
| | C9-C10 Aromatic Hydrocarbons | BRL | | mg/l | 0.0250 | 1 | " | " | " | " | " | |
| | Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | 1 | " | " | " | " | " | |
| | Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | 1 | " | " | " | " | " | |
| VPH Target Analytes Prepared by method VPH - EPA 5030B | | | | | | | | | | | | |
| 71-43-2 | Benzene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 1634-04-4 | Methyl tert-butyl ether | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 108-88-3 | Toluene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| 179601-23-1 | m,p-Xylene | BRL | | µg/l | 10.0 | 1 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | BRL | | µg/l | 5.0 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | |
| *615-59-8* | *2,5-Dibromotoluene (FID)* | *88* | | | *70-130 %* | | " | " | " | " | " | |
| *615-59-8* | *2,5-Dibromotoluene (PID)* | *89* | | | *70-130 %* | | " | " | " | " | " | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015864 - VPH - EPA 5030B** | | | | | | | | | | |
| **Blank (1015864-BLK1)** | | | | | Prepared & Analyzed: 27-Jul-10 | | | | | |
| C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | | | | | | |
| C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | | | | | | |
| C9-C10 Aromatic Hydrocarbons | BRL | | mg/l | 0.0250 | | | | | | |
| Unadjusted C5-C8 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0750 | | | | | | |
| Unadjusted C9-C12 Aliphatic Hydrocarbons | BRL | | mg/l | 0.0250 | | | | | | |
| Benzene | BRL | | µg/l | 5.0 | | | | | | |
| Ethylbenzene | BRL | | µg/l | 5.0 | | | | | | |
| Methyl tert-butyl ether | BRL | | µg/l | 5.0 | | | | | | |
| Naphthalene | BRL | | µg/l | 5.0 | | | | | | |
| Toluene | BRL | | µg/l | 5.0 | | | | | | |
| m,p-Xylene | BRL | | µg/l | 10.0 | | | | | | |
| o-Xylene | BRL | | µg/l | 5.0 | | | | | | |
| 2-Methylpentane | BRL | | µg/l | 5.0 | | | | | | |
| n-Nonane | BRL | | µg/l | 10.0 | | | | | | |
| n-Pentane | BRL | | µg/l | 10.0 | | | | | | |
| 1,2,4-Trimethylbenzene | BRL | | µg/l | 5.0 | | | | | | |
| 2,2,4-Trimethylpentane | BRL | | µg/l | 5.0 | | | | | | |
| n-Butylcyclohexane | BRL | | µg/l | 5.0 | | | | | | |
| n-Decane | BRL | | µg/l | 5.0 | | | | | | |
| *Surrogate: 2,5-Dibromotoluene (FID)* | *43.8* | | µg/l | | *50.0* | | *88* | *70-130* | | |
| *Surrogate: 2,5-Dibromotoluene (PID)* | *43.8* | | µg/l | | *50.0* | | *88* | *70-130* | | |
| **LCS (1015864-BS1)** | | | | | Prepared: 27-Jul-10 Analyzed: 28-Jul-10 | | | | | |
| C5-C8 Aliphatic Hydrocarbons | 64.4 | | mg/l | | 60.0 | | 107 | 70-130 | | |
| C9-C12 Aliphatic Hydrocarbons | 65.6 | | mg/l | | 60.0 | | 109 | 70-130 | | |
| C9-C10 Aromatic Hydrocarbons | 21.8 | | mg/l | | 20.0 | | 109 | 70-130 | | |
| Unadjusted C5-C8 Aliphatic Hydrocarbons | 216 | | mg/l | | 200 | | 108 | 70-130 | | |
| Unadjusted C9-C12 Aliphatic Hydrocarbons | 87.4 | | mg/l | | 80.0 | | 109 | 70-130 | | |
| Benzene | 23.5 | | µg/l | | 20.0 | | 118 | 70-130 | | |
| Ethylbenzene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| Methyl tert-butyl ether | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| Naphthalene | 19.3 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| Toluene | 22.1 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| m,p-Xylene | 41.7 | | µg/l | | 40.0 | | 104 | 70-130 | | |
| o-Xylene | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| 2-Methylpentane | 21.9 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| n-Nonane | 23.8 | | µg/l | | 20.0 | | 119 | 70-130 | | |
| n-Pentane | 19.7 | | µg/l | | 20.0 | | 99 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| 2,2,4-Trimethylpentane | 23.2 | | µg/l | | 20.0 | | 116 | 70-130 | | |
| n-Butylcyclohexane | 22.6 | | µg/l | | 20.0 | | 113 | 70-130 | | |
| n-Decane | 23.7 | | µg/l | | 20.0 | | 119 | 70-130 | | |
| *Surrogate: 2,5-Dibromotoluene (FID)* | *51.6* | | µg/l | | *50.0* | | *103* | *70-130* | | |
| *Surrogate: 2,5-Dibromotoluene (PID)* | *52.0* | | µg/l | | *50.0* | | *104* | *70-130* | | |
| **LCS Dup (1015864-BSD1)** | | | | | Prepared: 27-Jul-10 Analyzed: 28-Jul-10 | | | | | |
| C5-C8 Aliphatic Hydrocarbons | 67.8 | | mg/l | | 60.0 | | 113 | 70-130 | 5 | 25 |
| C9-C12 Aliphatic Hydrocarbons | 65.1 | | mg/l | | 60.0 | | 109 | 70-130 | 0.7 | 25 |
| C9-C10 Aromatic Hydrocarbons | 20.5 | | mg/l | | 20.0 | | 103 | 70-130 | 6 | 25 |
| Unadjusted C5-C8 Aliphatic Hydrocarbons | 221 | | mg/l | | 200 | | 110 | 70-130 | 2 | 25 |
| Unadjusted C9-C12 Aliphatic Hydrocarbons | 85.6 | | mg/l | | 80.0 | | 107 | 70-130 | 2 | 25 |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015864 - VPH - EPA 5030B** | | | | | | | | | | |
| **LCS Dup (1015864-BSD1)** | | | | | Prepared: 27-Jul-10 Analyzed: 28-Jul-10 | | | | | |
| Benzene | 25.7 | | µg/l | | 20.0 | | 128 | 70-130 | 9 | 25 |
| Ethylbenzene | 20.1 | | µg/l | | 20.0 | | 101 | 70-130 | 3 | 25 |
| Methyl tert-butyl ether | 24.6 | | µg/l | | 20.0 | | 123 | 70-130 | 9 | 25 |
| Naphthalene | 18.2 | | µg/l | | 20.0 | | 91 | 70-130 | 6 | 25 |
| Toluene | 22.5 | | µg/l | | 20.0 | | 112 | 70-130 | 2 | 25 |
| m,p-Xylene | 40.0 | | µg/l | | 40.0 | | 100 | 70-130 | 4 | 25 |
| o-Xylene | 19.9 | | µg/l | | 20.0 | | 100 | 70-130 | 5 | 25 |
| 2-Methylpentane | 23.8 | | µg/l | | 20.0 | | 119 | 70-130 | 8 | 25 |
| n-Nonane | 23.2 | | µg/l | | 20.0 | | 116 | 70-130 | 2 | 25 |
| n-Pentane | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | 10 | 25 |
| 1,2,4-Trimethylbenzene | 19.5 | | µg/l | | 20.0 | | 97 | 70-130 | 6 | 25 |
| 2,2,4-Trimethylpentane | 25.4 | | µg/l | | 20.0 | | 127 | 70-130 | 9 | 25 |
| n-Butylcyclohexane | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 8 | 25 |
| n-Decane | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | 19 | 25 |
| *Surrogate: 2,5-Dibromotoluene (FID)* | *42.3* | | µg/l | | *50.0* | | *85* | *70-130* | | |
| *Surrogate: 2,5-Dibromotoluene (PID)* | *42.1* | | µg/l | | *50.0* | | *84* | *70-130* | | |

## Semivolatile Organic Compounds by GC - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1015814 - SW846 3510C** | | | | | | | | | | |
| **Blank (1015814-BLK1)** | | | | | Prepared & Analyzed: 26-Jul-10 | | | | | |
| Aroclor-1016 | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1016 [2C] | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1221 | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1221 [2C] | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1232 | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1232 [2C] | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1242 | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1242 [2C] | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1248 | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1248 [2C] | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1254 | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1254 [2C] | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1260 | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1260 [2C] | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1262 | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1262 [2C] | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1268 | BRL | | µg/l | 0.200 | | | | | | |
| Aroclor-1268 [2C] | BRL | | µg/l | 0.200 | | | | | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *0.210* | | µg/l | | *0.200* | | *105* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *0.193* | | µg/l | | *0.200* | | *96* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *0.181* | | µg/l | | *0.200* | | *90* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *0.169* | | µg/l | | *0.200* | | *84* | *30-150* | | |
| **LCS (1015814-BS1)** | | | | | Prepared & Analyzed: 26-Jul-10 | | | | | |
| Aroclor-1016 | 2.22 | | µg/l | 0.200 | 2.50 | | 89 | 50-114 | | |
| Aroclor-1016 [2C] | 2.16 | | µg/l | 0.200 | 2.50 | | 86 | 50-114 | | |
| Aroclor-1260 | 2.02 | | µg/l | 0.200 | 2.50 | | 81 | 40-127 | | |
| Aroclor-1260 [2C] | 2.03 | | µg/l | 0.200 | 2.50 | | 81 | 40-127 | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *0.263* | | µg/l | | *0.200* | | *132* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *0.179* | | µg/l | | *0.200* | | *90* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *0.153* | | µg/l | | *0.200* | | *76* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *0.155* | | µg/l | | *0.200* | | *78* | *30-150* | | |
| **LCS Dup (1015814-BSD1)** | | | | | Prepared & Analyzed: 26-Jul-10 | | | | | |
| Aroclor-1016 | 2.11 | | µg/l | 0.200 | 2.50 | | 84 | 50-114 | 5 | 20 |
| Aroclor-1016 [2C] | 2.07 | | µg/l | 0.200 | 2.50 | | 83 | 50-114 | 4 | 20 |
| Aroclor-1260 | 1.93 | | µg/l | 0.200 | 2.50 | | 77 | 40-127 | 5 | 20 |
| Aroclor-1260 [2C] | 1.99 | | µg/l | 0.200 | 2.50 | | 80 | 40-127 | 2 | 20 |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)* | *0.248* | | µg/l | | *0.200* | | *124* | *30-150* | | |
| *Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]* | *0.167* | | µg/l | | *0.200* | | *84* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr)* | *0.149* | | µg/l | | *0.200* | | *74* | *30-150* | | |
| *Surrogate: Decachlorobiphenyl (Sr) [2C]* | *0.152* | | µg/l | | *0.200* | | *76* | *30-150* | | |

# Volatile Organic Compounds - CCV Evaluation Report

| Analyte(s) | Average RF | CCRF | % D | Limit |
|---|---|---|---|---|
| **Batch S006923** | | | | |
| **Calibration Check (S006923-CCV1)** | | | | |
| Benzene | 318608.3 | 335517.8 | 5.3 | 25 |
| Ethylbenzene | 131079.1 | 148753.1 | 13.5 | 25 |
| Methyl tert-butyl ether | 183902.1 | 184547.6 | 0.4 | 25 |
| Naphthalene | 114325.1 | 131326.4 | 14.9 | 25 |
| Toluene | 189464.7 | 205063.8 | 8.2 | 25 |
| m,p-Xylene | 142733.8 | 165405.3 | 15.9 | 25 |
| o-Xylene | 119374.1 | 137148 | 14.9 | 25 |
| 2-Methylpentane | 72451.65 | 76925.28 | 6.2 | 25 |
| n-Nonane | 29006.56 | 34883.58 | 20.3 | 25 |
| n-Pentane | 70266.01 | 67964.4 | -3.3 | 25 |
| 1,2,4-Trimethylbenzene | 117338.9 | 138692 | 18.2 | 25 |
| 2,2,4-Trimethylpentane | 61364.9 | 68472.72 | 11.6 | 25 |
| n-Butylcyclohexane | 27423.44 | 32820.74 | 19.7 | 25 |
| n-Decane | 22080.07 | 27144.04 | 22.9 | 25 |

## Notes and Definitions

| | |
|---|---|
| BRL | Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit |
| dry | Sample results reported on a dry weight basis |
| NR | Not Reported |
| RPD | Relative Percent Difference |

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja

The following outlines the condition of all VPH samples contained within this report upon laboratory receipt.

| | | | | |
|---|---|---|---|---|
| **Matrices** | Deionized Water<br>Ground Water | | | |
| **Containers** | ✓ Satisfactory | | | |
| **Sample Preservative** | **Aqueous** (acid preserved) | N/A ✓ pH≤2 pH>2 | | |
| | **Soil or Sediment** | ✓ N/A Samples not received in Methanol | | ml Methanol/g soil<br>1:1 +/-25%<br>Other |
| | | Samples received in Methanol: | covering soil/sediment<br>not covering soil/sediment | |
| | | Samples received in air-tight container | | |
| **Temperature** | ✓ Received on ice ✓ Received at 4 ± 2 ºC | | | |

Were all QA/QC procedures followed as required by the VPH method? *Yes*
Were any significant modifications made to the VPH method as specified in section 11.3? *No *see below*
Were all performance/acceptance standards for required QA/QC procedures achieved? *Yes*
* Yes, if PID and FID surrogate recoveries are listed as n/a, then that sample was run via GCMS using all QC criteria specified in the method

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

# MassDEP Analytical Protocol Certification Form

| | |
|---|---|
| **Laboratory Name:** Spectrum Analytical, Inc. | **Project #:** 91-214474.00 |
| **Project Location:** 88 South Maple St. - Westfield, MA | **RTN:** |
| **This form provides certifications for the following data set:** | SB15658-01 through SB15658-06 |
| **Matrices:** Deionized Water<br>Ground Water | |

**CAM Protocol**

| | | | | | |
|---|---|---|---|---|---|
| 8260 VOC<br>CAM II A | 7470/7471 Hg<br>CAM III B | ✓ MassDEP VPH<br>CAM IV A | 8081 Pesticides<br>CAM V B | 7196 Hex Cr<br>CAM VI B | MassDEP APH<br>CAM IX A |
| 8270 SVOC<br>CAM II B | 7010 Metals<br>CAM III C | MassDEP EPH<br>CAM IV B | 8151 Herbicides<br>CAM V C | 8330 Explosives<br>CAM VIII A | TO-15 VOC<br>CAM IX B |
| 6010 Metals<br>CAM III A | 6020 Metals<br>CAM III D | 8082 PCB<br>CAM V A | 9014 Total Cyanide/PAC<br>CAM VI A | 6860 Perchlorate<br>CAM VIII B | |

***Affirmative responses to questions A through F are required for "Presumptive Certainty" status***

| | | | |
|---|---|---|---|
| **A** | Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | ✓ Yes | No |
| **B** | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed? | ✓ Yes | No |
| **C** | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances? | ✓ Yes | No |
| **D** | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? | ✓ Yes | No |
| **E** | a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)?<br>b. APH and TO-15 Methods only: Was the complete analyte list reported for each method? | ✓ Yes<br>Yes | No<br>No |
| **F** | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)? | ✓ Yes | No |

***Responses to questions G, H and I below are required for "Presumptive Certainty" status***

| | | | |
|---|---|---|---|
| **G** | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? | ✓ Yes | No |

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

| | | | |
|---|---|---|---|
| **H** | Were all QC performance standards specified in the CAM protocol(s) achieved? | ✓ Yes | No |
| **I** | Were results reported for the complete analyte list specified in the selected CAM protocol(s)? | ✓ Yes | No |

***All negative responses are addressed in a case narrative on the cover page of this report.***

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director
Date: 7/28/2010

SB15658 CL

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

# CHAIN OF CUSTODY RECORD

Page 1 of 1

**Special Handling:**
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 7/28
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: ECS-Agawam

Telephone #: 413-789-3530
Project Mgr. Abby Albano

Invoice To: Same

P.O. No.: _____ RQN: 6766

Project No.: 91-21477.00
Site Name: 88 South Maple St
Location: Westfield State: MA
Sampler(s): Jake / Steve B

1=$Na_2S_2O_3$ 2=HCl 3=$H_2SO_4$ 4=$HNO_3$ 5=NaOH 6=Ascorbic Acid 7=$CH_3OH$
8= $NaHSO_4$ 9= _____ 10= _____ 11= _____

List preservative code below: 2 3

QA/QC Reporting Notes: (check as needed)

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= DI H2O X2= _____ X3= _____

G=Grab C=Composite

| Lab Id: | Sample Id: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VPH | PCB's (by 608) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB15658 01 | ECS-1 | 7/23/10 | 1:15 | G | GW | 3 | 1 | | | X | X | | | | | | |
| 02 | ECS-2 | | 2:10 | | | 3 | | | | X | | | | | | | |
| 03 | MW-101 | | 12:15 | | | 3 | | | | X | | | | | | | |
| 04 | MW-102 | | 1:40 | | | 3 | | | | X | | | | | | | |
| 05 | MW-6 | | 12:34 | | | 3 | 1 | | | X | X | | | | | | |
| 06 | Trip Blank | | 0800 | | X1 | 1 | | | | X | | | | | | | |

Analyses:

QA/QC Reporting Notes:
- ☒ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☒ Standard ☐ No QC
- ☐ Other _____

State specific reporting standards: _____

| Relinquished by: | Received by: | Date: | Time: | Temp°C |
|---|---|---|---|---|
| [signature] | [signature] | 7/23/10 | 1824 | 4.2 |

☒ EDD Format pdf
☒ E-mail to AAlbano@ecsconsult.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

## Case Narrative for:

# SUNOCO, INC

## Certificate of Analysis Number:

## 09081211

| | |
|---|---|
| **Report To:** | **Project Name:** WESTFIELD, MA |
| CORPORATE ENVIRONMENTAL ADVISORS, INC. | **Site:** SUNOCO DUNS #0374-5593 |
| KIMBERLY DUPREY | **Site Address:** 88-90 SOUTH MAPLE STREET |
| 127 HARTWELL ST. | WESTFIELD MA |
| WEST BOYLESTON | **PO Number:** |
| MA | **State:** Massachusetts |
| 01583- | **State Cert. No.:** M-LA013 |
| ph: (508) 835-8822 fax: | **Date Reported:** 9/10/2009 |

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.



9/10/2009

Alberto E. Granados
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# SUNOCO, INC

## Certificate of Analysis Number:

## 09081211

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.
KIMBERLY DUPREY
127 HARTWELL ST.

WEST BOYLESTON
MA
01583-
ph: (508) 835-8822 fax: (508) 835-8812

**Fax To:**

**Project Name:** WESTFIELD, MA
**Site:** SUNOCO DUNS #0374-5593
**Site Address:** 88-90 SOUTH MAPLE STREET
WESTFIELD MA
**PO Number:**
**State:** Massachusetts
**State Cert. No.:** M-LA013
**Date Reported:** 9/10/2009

| Client Sample ID | Lab Sample ID | Matrix | Date Collected | Date Received | COC ID | HOLD |
|---|---|---|---|---|---|---|
| SB-313A (0-1') | 09081211-01 | Soil | 8/21/2009 11:00:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-313A (1-2') | 09081211-02 | Soil | 8/21/2009 11:10:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-315A (0-1') | 09081211-03 | Soil | 8/21/2009 2:15:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-315A (1-2') | 09081211-04 | Soil | 8/21/2009 2:20:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-501 (0-1') | 09081211-05 | Soil | 8/21/2009 10:42:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-501 (1-2') | 09081211-06 | Soil | 8/21/2009 10:46:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-502 (0-1') | 09081211-07 | Soil | 8/21/2009 10:32:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-502 (1-2') | 09081211-08 | Soil | 8/21/2009 10:35:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-503 (0-1') | 09081211-09 | Soil | 8/21/2009 10:26:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-503 (1-2') | 09081211-10 | Soil | 8/21/2009 10:30:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-504 (0-1') | 09081211-11 | Soil | 8/21/2009 10:50:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-504 (1-2') | 09081211-12 | Soil | 8/21/2009 10:55:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-505 (0-1') | 09081211-13 | Soil | 8/21/2009 11:45:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-505 (1-2') | 09081211-14 | Soil | 8/21/2009 11:51:00 AM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-506 (0-1') | 09081211-15 | Soil | 8/21/2009 12:19:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-506 (1-2') | 09081211-16 | Soil | 8/21/2009 12:23:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-507 (0-1') | 09081211-17 | Soil | 8/21/2009 12:38:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-507 (1-1.5') | 09081211-18 | Soil | 8/21/2009 12:43:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-508 (0-1') | 09081211-19 | Soil | 8/21/2009 2:00:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-508 (1-2') | 09081211-20 | Soil | 8/21/2009 2:05:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-509 (0-1') | 09081211-21 | Soil | 8/21/2009 1:23:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-509 (1-2') | 09081211-22 | Soil | 8/21/2009 1:28:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-509 (2-3') | 09081211-23 | Soil | 8/21/2009 1:32:00 PM | 8/28/2009 9:45:00 AM | | ☐ |
| SB-510 (0-1') | 09081211-24 | Soil | 8/21/2009 12:53:00 PM | 8/28/2009 9:45:00 AM | | ☐ |

9/10/2009
Date

Alberto E. Granados
Project Manager

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# SUNOCO, INC

## Certificate of Analysis Number:

## 09081211

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.
KIMBERLY DUPREY
127 HARTWELL ST.

WEST BOYLESTON
MA
01583-
ph: (508) 835-8822 fax: (508) 835-8812

**Fax To:**

**Project Name:** WESTFIELD, MA
**Site:** SUNOCO DUNS #0374-5593
**Site Address:** 88-90 SOUTH MAPLE STREET
WESTFIELD MA
**PO Number:**
**State:** Massachusetts
**State Cert. No.:** M-LA013
**Date Reported:** 9/10/2009

| Client Sample ID | Lab Sample ID | Matrix | Date Collected | Date Received | COC ID | HOLD |
|---|---|---|---|---|---|---|
| SB-510 (1-2') | 09081211-25 | Soil | 8/21/2009 1:19:00 PM | 8/28/2009 9:45:00 AM | | ☐ |

9/10/2009
Date

Alberto E. Granados
Project Manager

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-313A (0-1') **Collected:** 08/21/2009 11:00 **SPL Sample ID:** 09081211-01

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 14 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230172 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 3.8 | 100 | 09/02/09 17:33 | LDD | 3236436 |
| Aroclor 1221 | ND < | | 3.8 | 100 | 09/02/09 17:33 | LDD | 3236436 |
| Aroclor 1232 | ND < | | 3.8 | 100 | 09/02/09 17:33 | LDD | 3236436 |
| Aroclor 1242 | ND < | | 3.8 | 100 | 09/02/09 17:33 | LDD | 3236436 |
| Aroclor 1248 | 65 | | 3.8 | 100 | 09/02/09 17:33 | LDD | 3236440 |
| Aroclor 1254 | 16 | | 3.8 | 100 | 09/02/09 17:33 | LDD | 3236436 |
| Aroclor 1260 | ND < | | 3.8 | 100 | 09/02/09 17:33 | LDD | 3236436 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 100 | 09/02/09 17:33 | LDD | 3236436 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 100 | 09/02/09 17:33 | LDD | 3236436 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-313A (1-2') **Collected:** 08/21/2009 11:10 **SPL Sample ID:** 09081211-02

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 14 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230173 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.19 | 5 | 09/02/09 17:53 | LDD | 3236441 |
| Aroclor 1221 | ND < | | 0.19 | 5 | 09/02/09 17:53 | LDD | 3236441 |
| Aroclor 1232 | ND < | | 0.19 | 5 | 09/02/09 17:53 | LDD | 3236441 |
| Aroclor 1242 | ND < | | 0.19 | 5 | 09/02/09 17:53 | LDD | 3236441 |
| Aroclor 1248 | 2.4 | | 0.19 | 5 | 09/02/09 17:53 | LDD | 3236442 |
| Aroclor 1254 | 0.91 | | 0.19 | 5 | 09/02/09 17:53 | LDD | 3236441 |
| Aroclor 1260 | ND < | | 0.19 | 5 | 09/02/09 17:53 | LDD | 3236441 |
| Surr: Decachlorobiphenyl | 145 | % | 10-187 | 5 | 09/02/09 17:53 | LDD | 3236441 |
| Surr: Tetrachloro-m-xylene | 108 | % | 10-153 | 5 | 09/02/09 17:53 | LDD | 3236441 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-315A (0-1') **Collected:** 08/21/2009 14:15 **SPL Sample ID:** 09081211-03

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 7.4 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230174 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.71 | 20 | 09/02/09 18:13 | LDD | 3236443 |
| Aroclor 1221 | ND < | | 0.71 | 20 | 09/02/09 18:13 | LDD | 3236443 |
| Aroclor 1232 | ND < | | 0.71 | 20 | 09/02/09 18:13 | LDD | 3236443 |
| Aroclor 1242 | ND < | | 0.71 | 20 | 09/02/09 18:13 | LDD | 3236443 |
| Aroclor 1248 | 10 | | 0.71 | 20 | 09/02/09 18:13 | LDD | 3236444 |
| Aroclor 1254 | 5.1 | | 0.71 | 20 | 09/02/09 18:13 | LDD | 3236443 |
| Aroclor 1260 | ND < | | 0.71 | 20 | 09/02/09 18:13 | LDD | 3236443 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 20 | 09/02/09 18:13 | LDD | 3236443 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 20 | 09/02/09 18:13 | LDD | 3236443 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-315A (1-2') **Collected:** 08/21/2009 14:20 **SPL Sample ID:** 09081211-04

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.9 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230175 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.18 | 5 | 09/02/09 18:33 | LDD | 3236446 |
| Aroclor 1221 | ND < | | 0.18 | 5 | 09/02/09 18:33 | LDD | 3236446 |
| Aroclor 1232 | ND < | | 0.18 | 5 | 09/02/09 18:33 | LDD | 3236446 |
| Aroclor 1242 | ND < | | 0.18 | 5 | 09/02/09 18:33 | LDD | 3236446 |
| Aroclor 1248 | 2.9 | | 0.18 | 5 | 09/02/09 18:33 | LDD | 3236447 |
| Aroclor 1254 | 1.4 | | 0.18 | 5 | 09/02/09 18:33 | LDD | 3236446 |
| Aroclor 1260 | ND < | | 0.18 | 5 | 09/02/09 18:33 | LDD | 3236446 |
| Surr: Decachlorobiphenyl | 168 | % | 10-187 | 5 | 09/02/09 18:33 | LDD | 3236446 |
| Surr: Tetrachloro-m-xylene | 112 | % | 10-153 | 5 | 09/02/09 18:33 | LDD | 3236446 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-501 (0-1') **Collected:** 08/21/2009 10:42 **SPL Sample ID:** 09081211-05

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 14 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230176 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 1.9 | 50 | 09/02/09 19:13 | LDD | 3236448 |
| Aroclor 1221 | ND < | | 1.9 | 50 | 09/02/09 19:13 | LDD | 3236448 |
| Aroclor 1232 | ND < | | 1.9 | 50 | 09/02/09 19:13 | LDD | 3236448 |
| Aroclor 1242 | ND < | | 1.9 | 50 | 09/02/09 19:13 | LDD | 3236448 |
| Aroclor 1248 | 19 | | 1.9 | 50 | 09/02/09 19:13 | LDD | 3236449 |
| Aroclor 1254 | 8.1 | | 1.9 | 50 | 09/02/09 19:13 | LDD | 3236448 |
| Aroclor 1260 | ND < | | 1.9 | 50 | 09/02/09 19:13 | LDD | 3236448 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 50 | 09/02/09 19:13 | LDD | 3236448 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 50 | 09/02/09 19:13 | LDD | 3236448 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-501 (1-2') **Collected:** 08/21/2009 10:46 **SPL Sample ID:** 09081211-06

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 17 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230177 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.2 | 5 | 09/02/09 19:52 | LDD | 3236450 |
| Aroclor 1221 | ND < | | 0.2 | 5 | 09/02/09 19:52 | LDD | 3236450 |
| Aroclor 1232 | ND < | | 0.2 | 5 | 09/02/09 19:52 | LDD | 3236450 |
| Aroclor 1242 | ND < | | 0.2 | 5 | 09/02/09 19:52 | LDD | 3236450 |
| Aroclor 1248 | 1.6 | | 0.2 | 5 | 09/02/09 19:52 | LDD | 3236453 |
| Aroclor 1254 | 0.82 | | 0.2 | 5 | 09/02/09 19:52 | LDD | 3236450 |
| Aroclor 1260 | ND < | | 0.2 | 5 | 09/02/09 19:52 | LDD | 3236450 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 5 | 09/02/09 19:52 | LDD | 3236450 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 5 | 09/02/09 19:52 | LDD | 3236450 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-502 (0-1') **Collected:** 08/21/2009 10:32 **SPL Sample ID:** 09081211-07

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 15 | | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230178 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | | 0.39 | 10 | 09/02/09 20:12 | LDD | 3236454 |
| Aroclor 1221 | ND < | | | 0.39 | 10 | 09/02/09 20:12 | LDD | 3236454 |
| Aroclor 1232 | ND < | | | 0.39 | 10 | 09/02/09 20:12 | LDD | 3236454 |
| Aroclor 1242 | ND < | | | 0.39 | 10 | 09/02/09 20:12 | LDD | 3236454 |
| Aroclor 1248 | 5.6 | | | 0.39 | 10 | 09/02/09 20:12 | LDD | 3236455 |
| Aroclor 1254 | 3 | | | 0.39 | 10 | 09/02/09 20:12 | LDD | 3236454 |
| Aroclor 1260 | ND < | | | 0.39 | 10 | 09/02/09 20:12 | LDD | 3236454 |
| Surr: Decachlorobiphenyl | D | * | % | 10-187 | 10 | 09/02/09 20:12 | LDD | 3236454 |
| Surr: Tetrachloro-m-xylene | D | * | % | 10-153 | 10 | 09/02/09 20:12 | LDD | 3236454 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-502 (1-2') **Collected:** 08/21/2009 10:35 **SPL Sample ID:** 09081211-08

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 15 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230179 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.078 | 2 | 09/02/09 20:52 | LDD | 3236457 |
| Aroclor 1221 | ND < | | 0.078 | 2 | 09/02/09 20:52 | LDD | 3236457 |
| Aroclor 1232 | ND < | | 0.078 | 2 | 09/02/09 20:52 | LDD | 3236457 |
| Aroclor 1242 | ND < | | 0.078 | 2 | 09/02/09 20:52 | LDD | 3236457 |
| Aroclor 1248 | 0.77 | | 0.078 | 2 | 09/02/09 20:52 | LDD | 3236458 |
| Aroclor 1254 | 0.33 | | 0.078 | 2 | 09/02/09 20:52 | LDD | 3236457 |
| Aroclor 1260 | ND < | | 0.078 | 2 | 09/02/09 20:52 | LDD | 3236457 |
| Surr: Decachlorobiphenyl | 146 | % | 10-187 | 2 | 09/02/09 20:52 | LDD | 3236457 |
| Surr: Tetrachloro-m-xylene | 114 | % | 10-153 | 2 | 09/02/09 20:52 | LDD | 3236457 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-503 (0-1') **Collected:** 08/21/2009 10:26 **SPL Sample ID:** 09081211-09

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230180 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.37 | 10 | 09/02/09 21:11 | LDD | 3236462 |
| Aroclor 1221 | ND < | | 0.37 | 10 | 09/02/09 21:11 | LDD | 3236462 |
| Aroclor 1232 | ND < | | 0.37 | 10 | 09/02/09 21:11 | LDD | 3236462 |
| Aroclor 1242 | ND < | | 0.37 | 10 | 09/02/09 21:11 | LDD | 3236462 |
| Aroclor 1248 | 4.5 | | 0.37 | 10 | 09/02/09 21:11 | LDD | 3236463 |
| Aroclor 1254 | 1.8 | | 0.37 | 10 | 09/02/09 21:11 | LDD | 3236462 |
| Aroclor 1260 | ND < | | 0.37 | 10 | 09/02/09 21:11 | LDD | 3236462 |
| Surr: Decachlorobiphenyl | 142 | % | 10-187 | 10 | 09/02/09 21:11 | LDD | 3236462 |
| Surr: Tetrachloro-m-xylene | 102 | % | 10-153 | 10 | 09/02/09 21:11 | LDD | 3236462 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-503 (1-2') **Collected:** 08/21/2009 10:30 **SPL Sample ID:** 09081211-10

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.9 | | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230181 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | | 0.036 | 1 | 08/31/09 21:08 | LDD | 3236430 |
| Aroclor 1221 | ND < | | | 0.036 | 1 | 08/31/09 21:08 | LDD | 3236430 |
| Aroclor 1232 | ND < | | | 0.036 | 1 | 08/31/09 21:08 | LDD | 3236430 |
| Aroclor 1242 | ND < | | | 0.036 | 1 | 08/31/09 21:08 | LDD | 3236430 |
| Aroclor 1248 | 0.37 | | | 0.036 | 1 | 08/31/09 21:08 | LDD | 3236431 |
| Aroclor 1254 | 0.15 | | | 0.036 | 1 | 08/31/09 21:08 | LDD | 3236430 |
| Aroclor 1260 | ND < | | | 0.036 | 1 | 08/31/09 21:08 | LDD | 3236430 |
| Surr: Decachlorobiphenyl | 118 | | % | 10-187 | 1 | 08/31/09 21:08 | LDD | 3236430 |
| Surr: Tetrachloro-m-xylene | 93.0 | | % | 10-153 | 1 | 08/31/09 21:08 | LDD | 3236430 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-504 (0-1') **Collected:** 08/21/2009 10:50 **SPL Sample ID:** 09081211-11

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 5.2 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230182 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 1.7 | 50 | 09/02/09 21:31 | LDD | 3236464 |
| Aroclor 1221 | ND < | | 1.7 | 50 | 09/02/09 21:31 | LDD | 3236464 |
| Aroclor 1232 | ND < | | 1.7 | 50 | 09/02/09 21:31 | LDD | 3236464 |
| Aroclor 1242 | ND < | | 1.7 | 50 | 09/02/09 21:31 | LDD | 3236464 |
| Aroclor 1248 | 20 | | 1.7 | 50 | 09/02/09 21:31 | LDD | 3236465 |
| Aroclor 1254 | 8.5 | | 1.7 | 50 | 09/02/09 21:31 | LDD | 3236464 |
| Aroclor 1260 | ND < | | 1.7 | 50 | 09/02/09 21:31 | LDD | 3236464 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 50 | 09/02/09 21:31 | LDD | 3236464 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 50 | 09/02/09 21:31 | LDD | 3236464 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-504 (1-2') **Collected:** 08/21/2009 10:55 **SPL Sample ID:** 09081211-12

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.6 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230183 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.36 | 10 | 09/02/09 21:51 | LDD | 3236467 |
| Aroclor 1221 | ND < | | 0.36 | 10 | 09/02/09 21:51 | LDD | 3236467 |
| Aroclor 1232 | ND < | | 0.36 | 10 | 09/02/09 21:51 | LDD | 3236467 |
| Aroclor 1242 | ND < | | 0.36 | 10 | 09/02/09 21:51 | LDD | 3236467 |
| Aroclor 1248 | 3 | | 0.36 | 10 | 09/02/09 21:51 | LDD | 3236468 |
| Aroclor 1254 | 1.1 | | 0.36 | 10 | 09/02/09 21:51 | LDD | 3236467 |
| Aroclor 1260 | ND < | | 0.36 | 10 | 09/02/09 21:51 | LDD | 3236467 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 10 | 09/02/09 21:51 | LDD | 3236467 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 10 | 09/02/09 21:51 | LDD | 3236467 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-505 (0-1') **Collected:** 08/21/2009 11:45 **SPL Sample ID:** 09081211-13

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 19 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230184 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 2 | 50 | 09/02/09 22:11 | LDD | 3236469 |
| Aroclor 1221 | ND < | | 2 | 50 | 09/02/09 22:11 | LDD | 3236469 |
| Aroclor 1232 | ND < | | 2 | 50 | 09/02/09 22:11 | LDD | 3236469 |
| Aroclor 1242 | ND < | | 2 | 50 | 09/02/09 22:11 | LDD | 3236469 |
| Aroclor 1248 | 9.9 | | 2 | 50 | 09/02/09 22:11 | LDD | 3236470 |
| Aroclor 1254 | 4.6 | | 2 | 50 | 09/02/09 22:11 | LDD | 3236469 |
| Aroclor 1260 | ND < | | 2 | 50 | 09/02/09 22:11 | LDD | 3236469 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 50 | 09/02/09 22:11 | LDD | 3236469 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 50 | 09/02/09 22:11 | LDD | 3236469 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-505 (1-2') **Collected:** 08/21/2009 11:51 **SPL Sample ID:** 09081211-14

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 25 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230185 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.22 | 5 | 09/02/09 22:31 | LDD | 3236645 |
| Aroclor 1221 | ND < | | 0.22 | 5 | 09/02/09 22:31 | LDD | 3236645 |
| Aroclor 1232 | ND < | | 0.22 | 5 | 09/02/09 22:31 | LDD | 3236645 |
| Aroclor 1242 | ND < | | 0.22 | 5 | 09/02/09 22:31 | LDD | 3236645 |
| Aroclor 1248 | 4.7 | | 0.44 | 10 | 09/02/09 22:50 | LDD | 3236642 |
| Aroclor 1254 | 0.49 | | 0.22 | 5 | 09/02/09 22:31 | LDD | 3236645 |
| Aroclor 1260 | ND < | | 0.22 | 5 | 09/02/09 22:31 | LDD | 3236645 |
| Surr: Decachlorobiphenyl | 72.4 | % | 10-187 | 5 | 09/02/09 22:31 | LDD | 3236645 |
| Surr: Tetrachloro-m-xylene | 46.4 | % | 10-153 | 5 | 09/02/09 22:31 | LDD | 3236645 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-506 (0-1') **Collected:** 08/21/2009 12:19 **SPL Sample ID:** 09081211-15

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 4.6 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230186 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.69 | 20 | 09/02/09 23:10 | LDD | 3236473 |
| Aroclor 1221 | ND < | | 0.69 | 20 | 09/02/09 23:10 | LDD | 3236473 |
| Aroclor 1232 | ND < | | 0.69 | 20 | 09/02/09 23:10 | LDD | 3236473 |
| Aroclor 1242 | ND < | | 0.69 | 20 | 09/02/09 23:10 | LDD | 3236473 |
| Aroclor 1248 | 5.3 | | 0.69 | 20 | 09/02/09 23:10 | LDD | 3236474 |
| Aroclor 1254 | 2.7 | | 0.69 | 20 | 09/02/09 23:10 | LDD | 3236473 |
| Aroclor 1260 | ND < | | 0.69 | 20 | 09/02/09 23:10 | LDD | 3236473 |
| Surr: Decachlorobiphenyl | 176 | % | 10-187 | 20 | 09/02/09 23:10 | LDD | 3236473 |
| Surr: Tetrachloro-m-xylene | 95.5 | % | 10-153 | 20 | 09/02/09 23:10 | LDD | 3236473 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-506 (1-2') **Collected:** 08/21/2009 12:23 **SPL Sample ID:** 09081211-16

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 14 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230187 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 08/31/09 23:07 | LDD | 3236432 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 08/31/09 23:07 | LDD | 3236432 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 08/31/09 23:07 | LDD | 3236432 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 08/31/09 23:07 | LDD | 3236432 |
| Aroclor 1248 | 0.55 | | 0.077 | 2 | 09/02/09 23:30 | LDD | 3236583 |
| Aroclor 1254 | 0.28 | | 0.038 | 1 | 08/31/09 23:07 | LDD | 3236432 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 08/31/09 23:07 | LDD | 3236432 |
| Surr: Decachlorobiphenyl | 120 | % | 10-187 | 1 | 08/31/09 23:07 | LDD | 3236432 |
| Surr: Tetrachloro-m-xylene | 90.6 | % | 10-153 | 1 | 08/31/09 23:07 | LDD | 3236432 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-507 (0-1') **Collected:** 08/21/2009 12:38 **SPL Sample ID:** 09081211-17

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230188 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.74 | 20 | 09/02/09 23:50 | LDD | 3236584 |
| Aroclor 1221 | ND < | | 0.74 | 20 | 09/02/09 23:50 | LDD | 3236584 |
| Aroclor 1232 | ND < | | 0.74 | 20 | 09/02/09 23:50 | LDD | 3236584 |
| Aroclor 1242 | ND < | | 0.74 | 20 | 09/02/09 23:50 | LDD | 3236584 |
| Aroclor 1248 | 7.8 | | 0.74 | 20 | 09/02/09 23:50 | LDD | 3236585 |
| Aroclor 1254 | 4 | | 0.74 | 20 | 09/02/09 23:50 | LDD | 3236584 |
| Aroclor 1260 | ND < | | 0.74 | 20 | 09/02/09 23:50 | LDD | 3236584 |
| Surr: Decachlorobiphenyl | 142 | % | 10-187 | 20 | 09/02/09 23:50 | LDD | 3236584 |
| Surr: Tetrachloro-m-xylene | 90.6 | % | 10-153 | 20 | 09/02/09 23:50 | LDD | 3236584 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-507 (1-1.5') **Collected:** 08/21/2009 12:43 **SPL Sample ID:** 09081211-18

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.7 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230189 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.18 | 5 | 09/03/09 0:29 | LDD | 3236643 |
| Aroclor 1221 | ND < | | 0.18 | 5 | 09/03/09 0:29 | LDD | 3236643 |
| Aroclor 1232 | ND < | | 0.18 | 5 | 09/03/09 0:29 | LDD | 3236643 |
| Aroclor 1242 | ND < | | 0.18 | 5 | 09/03/09 0:29 | LDD | 3236643 |
| Aroclor 1248 | 2.2 | | 0.18 | 5 | 09/03/09 0:29 | LDD | 3236588 |
| Aroclor 1254 | 1.3 | | 0.18 | 5 | 09/03/09 0:29 | LDD | 3236643 |
| Aroclor 1260 | ND < | | 0.18 | 5 | 09/03/09 0:29 | LDD | 3236643 |
| Surr: Decachlorobiphenyl | 150 | % | 10-187 | 5 | 09/03/09 0:29 | LDD | 3236643 |
| Surr: Tetrachloro-m-xylene | 97.9 | % | 10-153 | 5 | 09/03/09 0:29 | LDD | 3236643 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-508 (0-1') **Collected:** 08/21/2009 14:00 **SPL Sample ID:** 09081211-19

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 13 | | 0.1 | 1 | 08/31/09 11:30 | JNY | 3230190 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.38 | 10 | 09/03/09 1:09 | LDD | 3236589 |
| Aroclor 1221 | ND < | | 0.38 | 10 | 09/03/09 1:09 | LDD | 3236589 |
| Aroclor 1232 | ND < | | 0.38 | 10 | 09/03/09 1:09 | LDD | 3236589 |
| Aroclor 1242 | ND < | | 0.38 | 10 | 09/03/09 1:09 | LDD | 3236589 |
| Aroclor 1248 | 4.6 | | 0.38 | 10 | 09/03/09 1:09 | LDD | 3236603 |
| Aroclor 1254 | 4 | | 0.38 | 10 | 09/03/09 1:09 | LDD | 3236589 |
| Aroclor 1260 | ND < | | 0.38 | 10 | 09/03/09 1:09 | LDD | 3236589 |
| Surr: Decachlorobiphenyl | 143 | % | 10-187 | 10 | 09/03/09 1:09 | LDD | 3236589 |
| Surr: Tetrachloro-m-xylene | 100 | % | 10-153 | 10 | 09/03/09 1:09 | LDD | 3236589 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-508 (1-2') **Collected:** 08/21/2009 14:05 **SPL Sample ID:** 09081211-20

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 4.1 | | 0.1 | 1 | 09/02/09 16:35 | JNY | 3234186 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.69 | 20 | 09/03/09 1:28 | LDD | 3236604 |
| Aroclor 1221 | ND < | | 0.69 | 20 | 09/03/09 1:28 | LDD | 3236604 |
| Aroclor 1232 | ND < | | 0.69 | 20 | 09/03/09 1:28 | LDD | 3236604 |
| Aroclor 1242 | ND < | | 0.69 | 20 | 09/03/09 1:28 | LDD | 3236604 |
| Aroclor 1248 | 5 | | 0.34 | 10 | 09/03/09 1:28 | LDD | 3236605 |
| Aroclor 1254 | 5.8 | | 0.69 | 20 | 09/03/09 1:28 | LDD | 3236604 |
| Aroclor 1260 | ND < | | 0.69 | 20 | 09/03/09 1:28 | LDD | 3236604 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 20 | 09/03/09 1:28 | LDD | 3236604 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 20 | 09/03/09 1:28 | LDD | 3236604 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/29/2009 8:55 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-509 (0-1') **Collected:** 08/21/2009 13:23 **SPL Sample ID:** 09081211-21

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 1.7 | | 0.1 | 1 | 09/02/09 16:35 | JNY | 3234187 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.34 | 10 | 09/03/09 2:27 | LDD | 3236908 |
| Aroclor 1221 | ND < | | 0.34 | 10 | 09/03/09 2:27 | LDD | 3236908 |
| Aroclor 1232 | ND < | | 0.34 | 10 | 09/03/09 2:27 | LDD | 3236908 |
| Aroclor 1242 | ND < | | 0.34 | 10 | 09/03/09 2:27 | LDD | 3236908 |
| Aroclor 1248 | 2.1 | | 0.34 | 10 | 09/03/09 2:27 | LDD | 3236906 |
| Aroclor 1254 | 1.7 | | 0.34 | 10 | 09/03/09 2:27 | LDD | 3236908 |
| Aroclor 1260 | ND < | | 0.34 | 10 | 09/03/09 2:27 | LDD | 3236908 |
| Surr: Decachlorobiphenyl | 159 | % | 10-187 | 10 | 09/03/09 2:27 | LDD | 3236908 |
| Surr: Tetrachloro-m-xylene | 102 | % | 10-153 | 10 | 09/03/09 2:27 | LDD | 3236908 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/31/2009 11:24 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-509 (1-2') **Collected:** 08/21/2009 13:28 **SPL Sample ID:** 09081211-22

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 6.3 | | 0.1 | 1 | 09/02/09 16:35 | JNY | 3234188 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.7 | 20 | 09/03/09 2:47 | LDD | 3236913 |
| Aroclor 1221 | ND < | | 0.7 | 20 | 09/03/09 2:47 | LDD | 3236913 |
| Aroclor 1232 | ND < | | 0.7 | 20 | 09/03/09 2:47 | LDD | 3236913 |
| Aroclor 1242 | ND < | | 0.7 | 20 | 09/03/09 2:47 | LDD | 3236913 |
| Aroclor 1248 | 11 | | 0.7 | 20 | 09/03/09 2:47 | LDD | 3236912 |
| Aroclor 1254 | 5.1 | | 0.7 | 20 | 09/03/09 2:47 | LDD | 3236913 |
| Aroclor 1260 | ND < | | 0.7 | 20 | 09/03/09 2:47 | LDD | 3236913 |
| Surr: Decachlorobiphenyl | 163 | % | 10-187 | 20 | 09/03/09 2:47 | LDD | 3236913 |
| Surr: Tetrachloro-m-xylene | 110 | % | 10-153 | 20 | 09/03/09 2:47 | LDD | 3236913 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/31/2009 11:24 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-509 (2-3') **Collected:** 08/21/2009 13:32 **SPL Sample ID:** 09081211-23

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.1 | | 0.1 | 1 | 09/02/09 16:35 | JNY | 3234189 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 09/01/09 5:22 | LDD | 3236904 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 09/01/09 5:22 | LDD | 3236904 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 09/01/09 5:22 | LDD | 3236904 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 09/01/09 5:22 | LDD | 3236904 |
| Aroclor 1248 | 0.27 | | 0.036 | 1 | 09/01/09 5:22 | LDD | 3236903 |
| Aroclor 1254 | 0.14 | | 0.036 | 1 | 09/01/09 5:22 | LDD | 3236904 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 09/01/09 5:22 | LDD | 3236904 |
| Surr: Decachlorobiphenyl | 142 | % | 10-187 | 1 | 09/01/09 5:22 | LDD | 3236904 |
| Surr: Tetrachloro-m-xylene | 115 | % | 10-153 | 1 | 09/01/09 5:22 | LDD | 3236904 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/31/2009 11:24 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-510 (0-1') **Collected:** 08/21/2009 12:53 **SPL Sample ID:** 09081211-24

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 2.2 | | 0.1 | 1 | 09/02/09 16:35 | JNY | 3234190 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.84 | 25 | 09/03/09 3:07 | LDD | 3236915 |
| Aroclor 1221 | ND < | | 0.84 | 25 | 09/03/09 3:07 | LDD | 3236915 |
| Aroclor 1232 | ND < | | 0.84 | 25 | 09/03/09 3:07 | LDD | 3236915 |
| Aroclor 1242 | ND < | | 0.84 | 25 | 09/03/09 3:07 | LDD | 3236915 |
| Aroclor 1248 | 10 | | 0.84 | 25 | 09/03/09 3:07 | LDD | 3236914 |
| Aroclor 1254 | 6 | | 0.84 | 25 | 09/03/09 3:07 | LDD | 3236915 |
| Aroclor 1260 | ND < | | 0.84 | 25 | 09/03/09 3:07 | LDD | 3236915 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 25 | 09/03/09 3:07 | LDD | 3236915 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 25 | 09/03/09 3:07 | LDD | 3236915 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/31/2009 11:24 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-510 (1-2') **Collected:** 08/21/2009 13:19 **SPL Sample ID:** 09081211-25

**Site:** **SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 3.2 | | 0.1 | 1 | 09/02/09 16:35 | JNY | 3234191 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.85 | 25 | 09/03/09 3:26 | LDD | 3236917 |
| Aroclor 1221 | ND < | | 0.85 | 25 | 09/03/09 3:26 | LDD | 3236917 |
| Aroclor 1232 | ND < | | 0.85 | 25 | 09/03/09 3:26 | LDD | 3236917 |
| Aroclor 1242 | ND < | | 0.85 | 25 | 09/03/09 3:26 | LDD | 3236917 |
| Aroclor 1248 | 9.6 | | 0.85 | 25 | 09/03/09 3:26 | LDD | 3236916 |
| Aroclor 1254 | 5 | | 0.85 | 25 | 09/03/09 3:26 | LDD | 3236917 |
| Aroclor 1260 | ND < | | 0.85 | 25 | 09/03/09 3:26 | LDD | 3236917 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 25 | 09/03/09 3:26 | LDD | 3236917 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 25 | 09/03/09 3:26 | LDD | 3236917 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 08/31/2009 11:24 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

*Quality Control Documentation*

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **PERCENT MOISTURE** | **WorkOrder:** | **09081211** |
| **Method:** | **D2216** | **Lab Batch ID:** | **R214359** |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09081211-01A | SB-313A (0-1') |
| 09081211-02A | SB-313A (1-2') |
| 09081211-03A | SB-315A (0-1') |
| 09081211-04A | SB-315A (1-2') |
| 09081211-05A | SB-501 (0-1') |
| 09081211-06A | SB-501 (1-2') |
| 09081211-07A | SB-502 (0-1') |
| 09081211-08A | SB-502 (1-2') |
| 09081211-09A | SB-503 (0-1') |
| 09081211-10A | SB-503 (1-2') |
| 09081211-11A | SB-504 (0-1') |
| 09081211-12A | SB-504 (1-2') |
| 09081211-13A | SB-505 (0-1') |
| 09081211-14A | SB-505 (1-2') |
| 09081211-15A | SB-506 (0-1') |
| 09081211-16A | SB-506 (1-2') |
| 09081211-17A | SB-507 (0-1') |
| 09081211-18A | SB-507 (1-1.5') |
| 09081211-19A | SB-508 (0-1') |

### Sample Duplicate

| | | | |
|---|---|---|---|
| Original Sample: | 09081211-19 | | |
| RunID: | WET_090831M-3230190 | Units: | wt% |
| Analysis Date: | 08/31/2009 11:30 | Analyst: | JNY |

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 13 | 12.6 | 0 | 20 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count



QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **PERCENT MOISTURE** | **WorkOrder:** | **09081211** |
| **Method:** | **D2216** | **Lab Batch ID:** | **R214610** |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09081211-20A | SB-508 (1-2') |
| 09081211-21A | SB-509 (0-1') |
| 09081211-22A | SB-509 (1-2') |
| 09081211-23A | SB-509 (2-3') |
| 09081211-24A | SB-510 (0-1') |
| 09081211-25A | SB-510 (1-2') |

### Sample Duplicate

| | | | |
|---|---|---|---|
| Original Sample: | 09081211-25 | | |
| RunID: | WET_090903E-3234191 | Units: | wt% |
| Analysis Date: | 09/02/2009 16:35 | Analyst: | JNY |

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 3.2 | 3.09 | 3.2 | 20 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count



QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by EPA 8082A - soil** **WorkOrder:** **09081211**
**Method:** **SW8082** **Lab Batch ID:** **82699**

### Method Blank

RunID: PEST_090831B-3236426 Units: mg/Kg
Analysis Date: 08/31/2009 14:13 Analyst: LDD
Preparation Date: 08/29/2009 8:55 Prep By: TCM Method SW3550C

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND < | 0.033 |
| Aroclor 1221 | ND < | 0.033 |
| Aroclor 1232 | ND < | 0.033 |
| Aroclor 1242 | ND < | 0.033 |
| Aroclor 1248 | ND < | 0.033 |
| Aroclor 1254 | ND < | 0.033 |
| Aroclor 1260 | ND < | 0.033 |
| Surr: Decachlorobiphenyl | 103.6 | 10-187 |
| Surr: Tetrachloro-m-xylene | 102.1 | 10-153 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09081211-01A | SB-313A (0-1') |
| 09081211-02A | SB-313A (1-2') |
| 09081211-03A | SB-315A (0-1') |
| 09081211-04A | SB-315A (1-2') |
| 09081211-05A | SB-501 (0-1') |
| 09081211-06A | SB-501 (1-2') |
| 09081211-07A | SB-502 (0-1') |
| 09081211-08A | SB-502 (1-2') |
| 09081211-09A | SB-503 (0-1') |
| 09081211-10A | SB-503 (1-2') |
| 09081211-11A | SB-504 (0-1') |
| 09081211-12A | SB-504 (1-2') |
| 09081211-13A | SB-505 (0-1') |
| 09081211-14A | SB-505 (1-2') |
| 09081211-15A | SB-506 (0-1') |
| 09081211-16A | SB-506 (1-2') |
| 09081211-17A | SB-507 (0-1') |
| 09081211-18A | SB-507 (1-1.5') |
| 09081211-19A | SB-508 (0-1') |
| 09081211-20A | SB-508 (1-2') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST_090831B-3236427 Units: mg/Kg
Analysis Date: 08/31/2009 14:33 Analyst: LDD
Preparation Date: 08/29/2009 8:55 Prep By: TCM Method SW3550C

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 0.330 | 0.261 | 79.1 | 0.330 | 0.266 | 80.5 | 1.9 | 28 | 53 | 148 |
| Aroclor 1260 | 0.330 | 0.303 | 91.9 | 0.330 | 0.315 | 95.5 | 3.8 | 33 | 52 | 152 |
| Surr: Decachlorobiphenyl | 0.0330 | 0.0294 | 89.1 | 0.0330 | 0.0319 | 96.7 | 8.2 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | 0.0330 | 0.0269 | 81.5 | 0.0330 | 0.0257 | 77.9 | 4.6 | 30 | 10 | 153 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count



QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **Polychlorinated Biphenyls by EPA 8082A - soil** | **WorkOrder:** | **09081211** |
| **Method:** | **SW8082** | **Lab Batch ID:** | **82699** |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count



QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by EPA 8082A - soil** **WorkOrder:** **09081211**
**Method:** **SW8082** **Lab Batch ID:** **82709**

### Method Blank

RunID: PEST_090831A-3235063 Units: mg/Kg
Analysis Date: 09/01/2009 1:25 Analyst: LDD
Preparation Date: 08/31/2009 11:24 Prep By: TCM Method SW3550C

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND < | 0.033 |
| Aroclor 1221 | ND < | 0.033 |
| Aroclor 1232 | ND < | 0.033 |
| Aroclor 1242 | ND < | 0.033 |
| Aroclor 1248 | ND < | 0.033 |
| Aroclor 1254 | ND < | 0.033 |
| Aroclor 1260 | ND < | 0.033 |
| Surr: Decachlorobiphenyl | 111.5 | 10-187 |
| Surr: Tetrachloro-m-xylene | 110.0 | 10-153 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09081211-21A | SB-509 (0-1') |
| 09081211-22A | SB-509 (1-2') |
| 09081211-23A | SB-509 (2-3') |
| 09081211-24A | SB-510 (0-1') |
| 09081211-25A | SB-510 (1-2') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST_090831A-3235064 Units: mg/Kg
Analysis Date: 09/01/2009 1:45 Analyst: LDD
Preparation Date: 08/31/2009 11:24 Prep By: TCM Method SW3550C

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 0.330 | 0.284 | 86.2 | 0.330 | 0.313 | 94.9 | 9.7 | 28 | 53 | 148 |
| Aroclor 1260 | 0.330 | 0.327 | 99.2 | 0.330 | 0.360 | 109 | 9.5 | 33 | 52 | 152 |
| Surr: Decachlorobiphenyl | 0.0330 | 0.0341 | 103 | 0.0330 | 0.0377 | 114 | 10.0 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | 0.0330 | 0.0348 | 105 | 0.0330 | 0.0368 | 112 | 5.6 | 30 | 10 | 153 |

### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081184-03
RunID: PEST_090831A-3235070 Units: mg/Kg
Analysis Date: 09/01/2009 3:43 Analyst: LDD
Preparation Date: 08/31/2009 11:24 Prep By: TCM Method SW3550C

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count



QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by EPA 8082A - soil** **WorkOrder:** **09081211**
**Method:** **SW8082** **Lab Batch ID:** **82709**

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND < | 0.33 | 0.308 | 93.5 | 0.33 | 0.355 | 108 | 14.1 | 48 | 10 | 181 |
| Aroclor 1260 | ND < | 0.33 | 0.349 | 106 | 0.33 | 0.421 | 127 | 18.6 | 49 | 10 | 154 |
| Surr: Decachlorobiphenyl | ND < | 0.033 | 0.0346 | 105 | 0.033 | 0.0445 | 135 | 25.0 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | ND < | 0.033 | 0.0333 | 101 | 0.033 | 0.0376 | 114 | 12.1 | 30 | 10 | 153 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count



QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist*

*And*

*Chain of Custody*

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

## Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Workorder: | **09081211** | Received By: | **COM** |
| Date and Time Received: | **8/28/2009 9:45:00 AM** | Carrier name: | **FedEx-Std 1 Day PM** |
| Temperature: | **4.5°C** | Chilled by: | **Water Ice** |

| | | | | |
|---|---|---|---|---|
| **1.** | **Shipping container/cooler in good condition?** | Yes ☑ | No ☐ | Not Present ☐ |
| **2.** | **Custody seals intact on shippping container/cooler?** | Yes ☐ | No ☐ | Not Present ☑ |
| **3.** | **Custody seals intact on sample bottles?** | Yes ☐ | No ☐ | Not Present ☑ |
| **4.** | **Chain of custody present?** | Yes ☑ | No ☐ | |
| **5.** | **Chain of custody signed when relinquished and received?** | Yes ☑ | No ☐ | |
| **6.** | **Chain of custody agrees with sample labels?** | Yes ☑ | No ☐ | |
| **7.** | **Samples in proper container/bottle?** | Yes ☑ | No ☐ | |
| **8.** | **Sample containers intact?** | Yes ☑ | No ☐ | |
| **9.** | **Sufficient sample volume for indicated test?** | Yes ☑ | No ☐ | |
| **10.** | **All samples received within holding time?** | Yes ☑ | No ☐ | |
| **11.** | **Container/Temp Blank temperature in compliance?** | Yes ☑ | No ☐ | |
| **12.** | **Water - VOA vials have zero headspace?** | Yes ☐ | No ☐ | VOA Vials Not Present ☑ |
| **13.** | **Water - Preservation checked upon receipt (except VOA*)?** | Yes ☐ | No ☐ | Not Applicable ☑ |

***VOA Preservation Checked After Sample Analysis**

**SPL Representative:** _____ **Contact Date & Time:** _____

**Client Name Contacted:** _____

**Non Conformance Issues:** _____

**Client Instructions:** _____

0908/211



# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:** Northeast
**State or Lead Regulatory Agency:** MA DEP
**Requested Due Date (mm/dd/yy):** Standard
**COC Tracking Number:** 133001-2009

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABORATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | 500 Ambassador Caffery Parkway | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | Scott, LA 70583 | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | 5795-05 |
| Tele/Fax: | 717-656-2300 / 717-656-2681 | Address: | 41 Rumsford St, | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | US EPA Region 5 EDMAN no QC | Concord, NH, 3301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | CEA |

Lab Bottle Order No:

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative: None | Requested Analysis: 8082PCBs | | | | | | | | | | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-313A (0-1') | 11:00 | 8/21 | | SO | | | 1 | X | X | | | | | | | | | 1 | CO/FK |
| 2 | SB-313A (1-2') | 11:10 | | | SO | | | | | X | | | | | | | | | 1 | 8698 2070 4492 |
| 3 | SB-315A (0-1') | 2:15pm | | | SO | | | | | X | | | | | | | | | 1 | TEMP 4.5 (A-10) |
| 4 | SB-315A (1-2') | 2:20pm | | | SO | | | | | X | | | | | | | | | 1 | RXL-433 (12) |
| 5 | SB-501 (0-1') | 10:42am | | | SO | | | | | X | | | | | | | | | 1 | |
| 6 | SB-501 (1-2') | 10:46 | | | SO | | | | | X | | | | | | | | | 1 | |
| 7 | SB-502 (0-1') | 10:32 | | | SO | | | | | X | | | | | | | | | 1 | |
| 8 | SB-502 (1-2') | 10:35 | | | SO | | | | | X | | | | | | | | | 1 | |
| 9 | SB-503 (0-1') | 10:26 | | | SO | | | | | X | | | | | | | | | 1 | |
| 10 | SB-503 (1-2') | 10:30 | | | SO | | | | | X | | | | | | | | | 1 | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | Adam Guaraldi | 8/27/09 | 10:00 | FED Ex | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | FED Ex | 8/27/09 | 0900 | Sheila Graham | 8/27/09 | 0900 |
| Shipment Date: | 8/27/09 | Sheila Graham | 8/27/09 | 0945 | Connie Mecx | 8/27/09 | 0945 |
| Shipment Method: | Fed Ex | | | | | | |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:** Email report to aguaraldi@cea-inc.com, kduprey@cea-inc.com and svandersea@cea-inc.com

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:** Northeast
**State or Lead Regulatory Agency:** MA DEP
**Requested Due Date (mm/dd/yy):** Standard
**COC Tracking Number:** 133001-2009

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABORATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | 500 Ambassador Caffery Parkway | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | Scott, LA 70583 | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | 5795-05 |
| Tele/Fax: | 717-656-2300 / 717-656-2681 | Address: | 41 Rumsford St, | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | US EPA Region 5 EDMAN no QC | Concord, NH, 3301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | CEA |

**Lab Bottle Order No:**

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative: none | Requested Analysis: 8082PCBs | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-504 (0-1') | 10:50am | 8/21 | | SO | | | 1 | X | X | 1 |
| 2 | SB-504 (1-2') | 10:55 | | | SO | | | 1 | | X | 1 |
| 3 | SB-505 (0-1') | 11:45 | | | SO | | | 1 | | X | 1 |
| 4 | SB-505 (1-2') | 11:51 | | | SO | | | 1 | | X | 1 |
| 5 | SB-506 (0-1') | 12:19pm | | | SO | | | 1 | | X | 1 |
| 6 | SB-506 (1-2') | 12:23 | | | SO | | | 1 | | X | 1 |
| 7 | SB-507 (0-1') | 12:38 | | | SO | | | 1 | | X | 1 |
| 8 | SB-507 (1-1.5') | 12:43 | | | SO | | | 1 | | X | 1 |
| 9 | SB-508 (0-1') | 2:00 | | | SO | | | 1 | | X | 1 |
| 10 | SB-508 (1-2') | 2:05 | | | SO | | | 1 | | X | 1 |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | [illegible] | 8/27/09 | 10:00 | FED EX | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | FEDEX | 8/26/09 | 0900 | Sheila Inchan | 8/26/09 | 0900 |
| Shipment Date: | 8/27/09 | Sheila Inchan | 8/26/09 | 0945 | Conrad Mccp | 8/26/09 | 0945 |
| Shipment Method: | FedEx | | | | | | |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:**

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:** Northeast
**State or Lead Regulatory Agency:** MA DEP
**Requested Due Date (mm/dd/yy):** Standard
**COC Tracking Number:** 133001-2009

| | | |
|---|---|---|
| On-site Time: | Temp 0.0 | |
| Off-site Time: | Temp 0.0 | |
| Sky Conditions: | | |
| Meteorological Events: | | |
| Wind Speed: 0.0 | Direc | |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABORATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | 500 Ambassador Caffery Parkway | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | Scott, LA 70583 | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | 5795-05 |
| Tele/Fax: | 717-656-2300 / 717-656-2681 | Address: | 41 Rumsford St, | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | US EPA Region 5 EDMAN no QC | Concord, NH, 3301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | CEA |

**Lab Bottle Order No:**

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative: Above | Requested Analysis: 8082PCBs | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-509 (0-1') | 1:23pm | 8/21 | | SO | | | 1 | X | X | 1 |
| 2 | SB-509 (1-2') | 1:28 | ↓ | | SO | | | ↓ | ↓ | X | 1 |
| 3 | SB-509 (2-3') | 1:32 | | | SO | | | | | X | 1 |
| 4 | SB-510 (0-1') | 12:53 | | | SO | | | | | X | 1 |
| 5 | SB-510 (1-2') | 1:19 | ↓ | | SO | | | ↓ | ↓ | X | 1 |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | Adam Guaraldi | 8/27/09 | 10:00 | FED EX | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | FED EX | 8-28-09 | 09:00 | Sheila Inghram | 8-28-09 | 09:00 |
| Shipment Date: | 8/27/09 | Sheila Inghram | 8-28-09 | 09:45 | Conrad Mraz | 8-28-09 | 09:45 |
| Shipment Method: | FedEx | | | | | | |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:**

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

515
1000

# FedEx Express US Airbill

FedEx Tracking Number 8698 2070 4492

Form ID No. 0215 — Recipient's Copy

RECIPIENT: PEEL HERE

**1 From** This portion can be removed for Recipient's records.

Date 8/27/09 FedEx Tracking Number 869820704492

Sender's Name Adam Guerald Phone 508 835-8822

Company CEA Inc

Address 127 Hartwell St Dept./Floor/Suite/Room

City W. Boylston State MA ZIP 01583

**2 Your Internal Billing Reference**

**3 To**

Recipient's Name SHIPPING AND RECEIVING Phone 832 4775

Company SOUTHERN PETROLEUM

HOLD Weekday — Print FedEx location address below. NOT available for FedEx First Overnight.

HOLD Saturday — Print FedEx location address below. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address 500 AMBASSADOR CAFFERY PKWY Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Print FedEx location address here if HOLD option is selected.

LAFAYETTE LA 70503 70583-5300

FedEx TRK# 0215 8698 2070 4492

FRI - 28 AUG A2
STANDARD OVERNIGHT

7559253

70583
LA-US
LFT

XH LFTA

**4a Express Package Service** * To most locations. Packages up to 150 lbs.

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

**4b Express Freight Service** ** To most locations. Packages over 150 lbs.

- [ ] FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx 1Day Freight Booking No.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

**5 Packaging** * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

**6 Special Handling and Delivery Signature Options**

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods? One box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

**7 Payment** Bill to: Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- Obtain Recip. Acct. No. [ ]

[redacted]

Total Packages 1 Total Weight 45 Credit Card Auth.

Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

553

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fedex.com 1.800.GoFedEx 1.800.463.3339

New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/10/09

# Technical Report for

## Corporate Environmental Advisors

Sunoco, 88-90 South Maple St., Westfield MA

5795-05-001

Accutest Job Number: M85567

Sampling Date: 08/21/09

Report to:

Corporate Environmental Advisors, Inc.
127 Hartwell Street
West Boylston, MA 01583
kduprey@cea-inc.com

ATTN: Kimberly Duprey

Total number of pages in report: **9**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Tom Lunder 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (2502) RI (00071) ME (MA0136) FL (E87579) NY (11791) NJ (MA926) NC (653) IL (200018) NAVY USACE

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Test results relate only to samples analyzed.



Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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**Section 3: Misc. Forms** ..... **8**
**3.1:** Chain of Custody ..... 9

# Sample Summary

Corporate Environmental Advisors

**Job No:** M85567

Sunoco, 88-90 South Maple St., Westfield MA
Project No: 5795-05-001

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| M85567-1 | 08/21/09 | 11:00 | AG | 09/03/09 | SO | Soil | SB-313A(0-1')DUPLICATE |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## Sample Results

Report of Analysis

Accutest Laboratories

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-313A(0-1')DUPLICATE | | |
| **Lab Sample ID:** | M85567-1 | **Date Sampled:** | 08/21/09 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/03/09 |
| **Method:** | SW846 8151 SW846 3550B | **Percent Solids:** | 93.6 |
| **Project:** | Sunoco, 88-90 South Maple St., Westfield MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | YZ54228.D | 1 | 09/10/09 | CZ | 09/04/09 | OP19416 | GYZ2314 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 30.9 g | 5.0 ml |
| Run #2 | | |

**Herbicide List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 94-75-7 | 2,4-D | ND | 21 | ug/kg | |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | 21 | ug/kg | |
| 93-76-5 | 2,4,5-T | ND | 21 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 19719-28-9 | 2,4-DCAA | 91% | | 30-150% |
| 19719-28-9 | 2,4-DCAA | 88% | | 30-150% |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-313A(0-1')DUPLICATE | | |
| **Lab Sample ID:** | M85567-1 | **Date Sampled:** | 08/21/09 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/03/09 |
| **Method:** | SW846 8081 SW846 3545 | **Percent Solids:** | 93.6 |
| **Project:** | Sunoco, 88-90 South Maple St., Westfield MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | BE17193.D | 1 | 09/10/09 | SL | 09/04/09 | OP19415 | GBE1138 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 15.3 g | 10.0 ml |
| Run #2 | | |

**Pesticide PPL List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 7.0 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 7.0 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 7.0 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 7.0 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 7.0 | ug/kg | |
| 12789-03-6 | Chlordane | ND | 70 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 7.0 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 7.0 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 7.0 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 7.0 | ug/kg | |
| 72-20-8 | Endrin | ND | 7.0 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 7.0 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 7.0 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 7.0 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 7.0 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 7.0 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 7.0 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 7.0 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 70 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 69% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 73% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 95% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 92% | | 30-150% |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-313A(0-1')DUPLICATE | | |
| **Lab Sample ID:** | M85567-1 | **Date Sampled:** | 08/21/09 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/03/09 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 93.6 |
| **Project:** | Sunoco, 88-90 South Maple St., Westfield MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | EF69968.D | 1 | 09/07/09 | SL | 09/04/09 | OP19407 | GEF3218 |
| Run #2 | EF70008.D | 50 | 09/08/09 | SL | 09/04/09 | OP19407 | GEF3220 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 15.3 g | 10.0 ml |
| Run #2 | 15.3 g | 10.0 ml |

**PCB List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 100 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 100 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 100 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 100 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | 32500 [a] | 5200 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 100 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 100 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 111% | 0% [b] | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 116% | 0% [b] | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 100% | 0% [b] | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 105% | 0% [b] | 30-150% |

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Misc. Forms

## Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Parameter Certifications (MA)
- Chain of Custody

# CHAIN OF CUSTODY

ACCUTEST Laboratories

495 TECHNOLOGY CENTER WEST * BUILDING ONE
MARLBOROUGH, MA 01752

TEL: 508-481-6200 * FAX: 508-481-7753

Accutest Job # 1785567
Accutest Quote #

**Client / Reporting Information**

Company Name: Corporate Environmental Advisors, Inc
Address: 127 Hartwell Street
City: West Boylston State: MA Zip: 01583
Project Contact: Mr. Scott VanderSea E-mail: svandersea@cea-inc.com
Phone #: 508-835-8822
Samplers's Name: Adam Guaraldi

**Project Information**

Project Name: Westfield Sunoco (DUNS # 0374-5593)
Street: 88-90 South Maple Street
City: Westfield State: MA
Project #: 5795-05
Fax #: 508-835-8812
Client Purchase Order #:

**Requested Analysis**

| Accutest Sample # | Field ID / Point of SUMMA # | Collection Date | Collection Time | Sampled by | Matrix | # of bottles | HCl | NaOH | HNO3 | H2SO4 | NONE | NaHSO4 | MEOH | PEST/PCBs via 8081/8082 Method | Herbecides via 8151 Method | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | SB-313A (0-1') DUPLICATE | 8/21/09 | 11:00am | AG | Soil | 1 | | | | | 1 | | | X | X | |

**Matrix Codes**: DW- Drinking Water; GW- Ground Water; WW- Water; SW Surface Water; SO- Soil; SJ -Sludge; OI-Oil; LIQ Other Liquid; AIR Air; SOL-Other Solid; WP-Wipe

Turnaround Time ( Business days)

- [ ] Std. 14 Business Days — Approved By:/ Date:
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [x] Other — CEA 7-Day

**Emergency T/A data available VIA Lablink**

Data Deliverable Information

- [ ] Standard
- [ ] Commercial "B"
- [ ] Disk Deliverable
- [ ] State Forms
- [ ] Other _____

Comments / Remarks: 8C

Email lab reports to: svandersea@cea-inc.com and kduprey@cea-inc.com

**Sample Custody must be documented below each time samples change possession, including courier delivery.**

| | Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|---|
| 1 | KDuprey 09:45 | 9/3/09 | | 2 | 9/3/09 10:15 | 2 |
| 3 | Relinquished by: | Date Time: | Received By: 3 | Relinquished By: 4 | Date Time: | Received By: 4 |
| 5 | Relinquished by: | Date Time: | Received By: 5 | Custody Seal # | Preserved where applicable ☐ | On Ice ☑ Cooler Temp. 2.3°C |

**M85567: Chain of Custody**
**Page 1 of 1**

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

## Case Narrative for:

# SUNOCO, INC

## Certificate of Analysis Number:

## 09070118

| | |
|---|---|
| **Report To:** | **Project Name:** WESTFIELD, MA |
| CORPORATE ENVIRONMENTAL ADVISORS, INC. | **Site:** SUNOCO DUNS #0374-5593 |
| KIMBERLY DUPREY | **Site Address:** 88-90 SOUTH MAPLE STREET |
| 127 HARTWELL ST. | WESTFIELD MA |
| WEST BOYLESTON | **PO Number:** |
| MA | **State:** Massachusetts |
| 01583- | **State Cert. No.:** M-LA013 |
| ph: (508) 835-8822 fax: | **Date Reported:** 7/16/2009 |

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

For samples 'SB-407 (0-3') and SB-408 (0-3'), (SPL id 09070118-22 and -26), one of the surrogates had a recovery that exceeded the LCLs. The results reported may include a negative bias. These results should be considered as minimum estimate concentrations. For sample SB-409 (0-1'), (SPL id 09070118-28) one of the surrogates had recovery above the upper acceptance limits referenced on the report. Associated sample data is reported and may include a positive bias.
For your sample randomly selected for use in SPL's quality control program for the PCB analysis by SW846 Method 8082A, the Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Aroclor 1260 (Batch ID:81146) due to possible matrix interference. Other samples of like matrix collected from this site also may be affected. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: _____ PAGES

7/16/2009

Alberto E. Granados
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# SUNOCO, INC

## Certificate of Analysis Number:

## 09070118

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.
KIMBERLY DUPREY
127 HARTWELL ST.

WEST BOYLESTON
MA
01583-
ph: (508) 835-8822 fax: (508) 835-8812

**Fax To:**

**Project Name:** WESTFIELD, MA
**Site:** SUNOCO DUNS #0374-5593
**Site Address:** 88-90 SOUTH MAPLE STREET
WESTFIELD MA
**PO Number:**
**State:** Massachusetts
**State Cert. No.:** M-LA013
**Date Reported:** 7/16/2009

| Client Sample ID | Lab Sample ID | Matrix | Date Collected | Date Received | COC ID | HOLD |
|---|---|---|---|---|---|---|
| SB-401 (0-1') | 09070118-01 | Soil | 6/30/2009 9:00:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-401 (0-3') | 09070118-02 | Soil | 6/30/2009 9:03:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-401 (3-6') | 09070118-03 | Soil | 6/30/2009 9:05:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-401 (6-10') | 09070118-04 | Soil | 6/30/2009 9:08:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-402 (0-1') | 09070118-05 | Soil | 6/30/2009 9:18:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-402 (0-3') | 09070118-06 | Soil | 6/30/2009 9:20:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-402 (3-6') | 09070118-07 | Soil | 6/30/2009 9:21:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-403 (0-1') | 09070118-08 | Soil | 6/30/2009 9:32:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-403 (0-3') | 09070118-09 | Soil | 6/30/2009 9:35:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-403 (3-6') | 09070118-10 | Soil | 6/30/2009 9:37:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-404 (0-1') | 09070118-11 | Soil | 6/30/2009 10:07:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-404 (0-3') | 09070118-12 | Soil | 6/30/2009 10:08:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-404 (3-6') | 09070118-13 | Soil | 6/30/2009 10:10:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-405 (0-1') | 09070118-14 | Soil | 6/30/2009 10:47:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-405 (0-3') | 09070118-15 | Soil | 6/30/2009 10:49:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-405 (3-6') | 09070118-16 | Soil | 6/30/2009 10:50:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-405 (6-10') | 09070118-17 | Soil | 6/30/2009 10:53:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-406 (0-1') | 09070118-18 | Soil | 6/30/2009 11:12:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-406 (0-3') | 09070118-19 | Soil | 6/30/2009 11:13:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-406 (4.5-6') | 09070118-20 | Soil | 6/30/2009 11:15:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-407 (0-1') | 09070118-21 | Soil | 6/30/2009 11:21:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-407 (0-3') | 09070118-22 | Soil | 6/30/2009 11:23:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-407 (3-6') | 09070118-23 | Soil | 6/30/2009 11:25:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-407 (6-10') | 09070118-24 | Soil | 6/30/2009 11:27:00 AM | 7/2/2009 8:45:00 AM | | ☐ |

7/16/2009
Date

Alberto E. Granados
Project Manager

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# SUNOCO, INC

## Certificate of Analysis Number:

## 09070118

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.
KIMBERLY DUPREY
127 HARTWELL ST.

WEST BOYLESTON
MA
01583-
ph: (508) 835-8822 fax: (508) 835-8812

**Fax To:**

**Project Name:** WESTFIELD, MA
**Site:** SUNOCO DUNS #0374-5593
**Site Address:** 88-90 SOUTH MAPLE STREET
WESTFIELD MA
**PO Number:**
**State:** Massachusetts
**State Cert. No.:** M-LA013
**Date Reported:** 7/16/2009

| Client Sample ID | Lab Sample ID | Matrix | Date Collected | Date Received | COC ID | HOLD |
|---|---|---|---|---|---|---|
| SB-408 (0-1') | 09070118-25 | Soil | 6/30/2009 11:33:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-408 (0-3') | 09070118-26 | Soil | 6/30/2009 11:35:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-408 (3-6') | 09070118-27 | Soil | 6/30/2009 11:38:00 AM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-409 (0-1') | 09070118-28 | Soil | 6/30/2009 12:27:00 PM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-409 (0-3') | 09070118-29 | Soil | 6/30/2009 12:30:00 PM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-409 (3-6') | 09070118-30 | Soil | 6/30/2009 12:32:00 PM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-410 (0-1') | 09070118-31 | Soil | 6/30/2009 12:40:00 PM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-410 (0-3') | 09070118-32 | Soil | 6/30/2009 12:43:00 PM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-410 (3-6') | 09070118-33 | Soil | 6/30/2009 12:45:00 PM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-411 (0-1') | 09070118-34 | Soil | 6/30/2009 12:50:00 PM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-411 (0-3') | 09070118-35 | Soil | 6/30/2009 12:52:00 PM | 7/2/2009 8:45:00 AM | | ☐ |
| SB-411 (3-6') | 09070118-36 | Soil | 6/30/2009 12:55:00 PM | 7/2/2009 8:45:00 AM | | ☐ |

Alberto E. Granados
Project Manager

7/16/2009
Date

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-401 (0-1') **Collected:** 06/30/2009 9:00 **SPL Sample ID:** 09070118-01

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 17 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166598 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.04 | 1 | 07/07/09 18:33 | LDD | 3158369 |
| Aroclor 1221 | ND < | | 0.04 | 1 | 07/07/09 18:33 | LDD | 3158369 |
| Aroclor 1232 | ND < | | 0.04 | 1 | 07/07/09 18:33 | LDD | 3158369 |
| Aroclor 1242 | ND < | | 0.04 | 1 | 07/07/09 18:33 | LDD | 3158369 |
| Aroclor 1248 | 0.41 | | 0.04 | 1 | 07/07/09 18:33 | LDD | 3159246 |
| Aroclor 1254 | 0.16 | | 0.04 | 1 | 07/07/09 18:33 | LDD | 3158369 |
| Aroclor 1260 | ND < | | 0.04 | 1 | 07/07/09 18:33 | LDD | 3158369 |
| Surr: Decachlorobiphenyl | 88.5 | % | 10-187 | 1 | 07/07/09 18:33 | LDD | 3158369 |
| Surr: Tetrachloro-m-xylene | 74.2 | % | 10-153 | 1 | 07/07/09 18:33 | LDD | 3158369 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-401 (0-3') **Collected:** 06/30/2009 9:03 **SPL Sample ID:** 09070118-02

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 12 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166599 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 07/07/09 18:57 | LDD | 3158370 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 07/07/09 18:57 | LDD | 3158370 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 07/07/09 18:57 | LDD | 3158370 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 07/07/09 18:57 | LDD | 3158370 |
| Aroclor 1248 | 0.23 | | 0.038 | 1 | 07/07/09 18:57 | LDD | 3159247 |
| Aroclor 1254 | 0.097 | | 0.038 | 1 | 07/07/09 18:57 | LDD | 3158370 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 07/07/09 18:57 | LDD | 3158370 |
| Surr: Decachlorobiphenyl | 145 | % | 10-187 | 1 | 07/07/09 18:57 | LDD | 3158370 |
| Surr: Tetrachloro-m-xylene | 143 | % | 10-153 | 1 | 07/07/09 18:57 | LDD | 3158370 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-401 (3-6') **Collected:** 06/30/2009 9:05 **SPL Sample ID:** 09070118-03

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166600 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 07/07/09 19:21 | LDD | 3158371 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 07/07/09 19:21 | LDD | 3158371 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 07/07/09 19:21 | LDD | 3158371 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 07/07/09 19:21 | LDD | 3158371 |
| Aroclor 1248 | ND < | | 0.036 | 1 | 07/07/09 19:21 | LDD | 3158371 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 07/07/09 19:21 | LDD | 3158371 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 07/07/09 19:21 | LDD | 3158371 |
| Surr: Decachlorobiphenyl | 86.4 | % | 10-187 | 1 | 07/07/09 19:21 | LDD | 3158371 |
| Surr: Tetrachloro-m-xylene | 70.6 | % | 10-153 | 1 | 07/07/09 19:21 | LDD | 3158371 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-401 (6-10') **Collected:** 06/30/2009 9:08 **SPL Sample ID:** 09070118-04

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 14 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166601 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 07/07/09 19:46 | LDD | 3158372 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 07/07/09 19:46 | LDD | 3158372 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 07/07/09 19:46 | LDD | 3158372 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 07/07/09 19:46 | LDD | 3158372 |
| Aroclor 1248 | ND < | | 0.038 | 1 | 07/07/09 19:46 | LDD | 3158372 |
| Aroclor 1254 | ND < | | 0.038 | 1 | 07/07/09 19:46 | LDD | 3158372 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 07/07/09 19:46 | LDD | 3158372 |
| Surr: Decachlorobiphenyl | 122 | % | 10-187 | 1 | 07/07/09 19:46 | LDD | 3158372 |
| Surr: Tetrachloro-m-xylene | 103 | % | 10-153 | 1 | 07/07/09 19:46 | LDD | 3158372 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-402 (0-1') **Collected:** 06/30/2009 9:18 **SPL Sample ID:** 09070118-05

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 24 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166602 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.043 | 1 | 07/07/09 20:10 | LDD | 3158373 |
| Aroclor 1221 | ND < | | 0.043 | 1 | 07/07/09 20:10 | LDD | 3158373 |
| Aroclor 1232 | ND < | | 0.043 | 1 | 07/07/09 20:10 | LDD | 3158373 |
| Aroclor 1242 | ND < | | 0.043 | 1 | 07/07/09 20:10 | LDD | 3158373 |
| Aroclor 1248 | 0.6 | | 0.043 | 1 | 07/07/09 20:10 | LDD | 3159250 |
| Aroclor 1254 | 0.29 | | 0.043 | 1 | 07/07/09 20:10 | LDD | 3158373 |
| Aroclor 1260 | ND < | | 0.043 | 1 | 07/07/09 20:10 | LDD | 3158373 |
| Surr: Decachlorobiphenyl | 113 | % | 10-187 | 1 | 07/07/09 20:10 | LDD | 3158373 |
| Surr: Tetrachloro-m-xylene | 108 | % | 10-153 | 1 | 07/07/09 20:10 | LDD | 3158373 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-402 (0-3') **Collected:** 06/30/2009 9:20 **SPL Sample ID:** 09070118-06

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 13 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166603 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 07/07/09 20:34 | LDD | 3158374 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 07/07/09 20:34 | LDD | 3158374 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 07/07/09 20:34 | LDD | 3158374 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 07/07/09 20:34 | LDD | 3158374 |
| Aroclor 1248 | 0.16 | | 0.038 | 1 | 07/07/09 20:34 | LDD | 3159251 |
| Aroclor 1254 | 0.078 | | 0.038 | 1 | 07/07/09 20:34 | LDD | 3158374 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 07/07/09 20:34 | LDD | 3158374 |
| Surr: Decachlorobiphenyl | 109 | | % 10-187 | 1 | 07/07/09 20:34 | LDD | 3158374 |
| Surr: Tetrachloro-m-xylene | 99.7 | | % 10-153 | 1 | 07/07/09 20:34 | LDD | 3158374 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-402 (3-6') **Collected:** 06/30/2009 9:21 **SPL Sample ID:** 09070118-07

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.7 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166604 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 07/07/09 21:23 | LDD | 3158376 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 07/07/09 21:23 | LDD | 3158376 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 07/07/09 21:23 | LDD | 3158376 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 07/07/09 21:23 | LDD | 3158376 |
| Aroclor 1248 | ND < | | 0.036 | 1 | 07/07/09 21:23 | LDD | 3158376 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 07/07/09 21:23 | LDD | 3158376 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 07/07/09 21:23 | LDD | 3158376 |
| Surr: Decachlorobiphenyl | 112 | % | 10-187 | 1 | 07/07/09 21:23 | LDD | 3158376 |
| Surr: Tetrachloro-m-xylene | 92.7 | % | 10-153 | 1 | 07/07/09 21:23 | LDD | 3158376 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-403 (0-1') **Collected:** 06/30/2009 9:32 **SPL Sample ID:** 09070118-08

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 18 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166605 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.04 | 1 | 07/07/09 22:36 | LDD | 3160010 |
| Aroclor 1221 | ND < | | 0.04 | 1 | 07/07/09 22:36 | LDD | 3160010 |
| Aroclor 1232 | ND < | | 0.04 | 1 | 07/07/09 22:36 | LDD | 3160010 |
| Aroclor 1242 | ND < | | 0.04 | 1 | 07/07/09 22:36 | LDD | 3160010 |
| Aroclor 1248 | ND < | | 0.04 | 1 | 07/07/09 22:36 | LDD | 3159255 |
| Aroclor 1254 | ND < | | 0.04 | 1 | 07/07/09 22:36 | LDD | 3160010 |
| Aroclor 1260 | ND < | | 0.04 | 1 | 07/07/09 22:36 | LDD | 3160010 |
| Surr: Decachlorobiphenyl | 89.1 | % | 10-187 | 1 | 07/07/09 22:36 | LDD | 3160010 |
| Surr: Decachlorobiphenyl | 79.4 | % | 10-187 | 1 | 07/07/09 22:36 | LDD | 3159255 |
| Surr: Tetrachloro-m-xylene | 75.5 | % | 10-153 | 1 | 07/07/09 22:36 | LDD | 3160010 |
| Surr: Tetrachloro-m-xylene | 75.5 | % | 10-153 | 1 | 07/07/09 22:36 | LDD | 3159255 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-403 (0-3') **Collected:** 06/30/2009 9:35 **SPL Sample ID:** 09070118-09

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 24 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166606 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.043 | 1 | 07/07/09 23:01 | LDD | 3158405 |
| Aroclor 1221 | ND < | | 0.043 | 1 | 07/07/09 23:01 | LDD | 3158405 |
| Aroclor 1232 | ND < | | 0.043 | 1 | 07/07/09 23:01 | LDD | 3158405 |
| Aroclor 1242 | ND < | | 0.043 | 1 | 07/07/09 23:01 | LDD | 3158405 |
| Aroclor 1248 | ND < | | 0.043 | 1 | 07/07/09 23:01 | LDD | 3158405 |
| Aroclor 1254 | ND < | | 0.043 | 1 | 07/07/09 23:01 | LDD | 3158405 |
| Aroclor 1260 | ND < | | 0.043 | 1 | 07/07/09 23:01 | LDD | 3158405 |
| Surr: Decachlorobiphenyl | 116 | % | 10-187 | 1 | 07/07/09 23:01 | LDD | 3158405 |
| Surr: Tetrachloro-m-xylene | 91.8 | % | 10-153 | 1 | 07/07/09 23:01 | LDD | 3158405 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-403 (3-6') **Collected:** 06/30/2009 9:37 **SPL Sample ID:** 09070118-10

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 19 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166607 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.041 | 1 | 07/07/09 23:25 | LDD | 3158381 |
| Aroclor 1221 | ND < | | 0.041 | 1 | 07/07/09 23:25 | LDD | 3158381 |
| Aroclor 1232 | ND < | | 0.041 | 1 | 07/07/09 23:25 | LDD | 3158381 |
| Aroclor 1242 | ND < | | 0.041 | 1 | 07/07/09 23:25 | LDD | 3158381 |
| Aroclor 1248 | ND < | | 0.041 | 1 | 07/07/09 23:25 | LDD | 3158381 |
| Aroclor 1254 | ND < | | 0.041 | 1 | 07/07/09 23:25 | LDD | 3158381 |
| Aroclor 1260 | ND < | | 0.041 | 1 | 07/07/09 23:25 | LDD | 3158381 |
| Surr: Decachlorobiphenyl | 81.2 | % | 10-187 | 1 | 07/07/09 23:25 | LDD | 3158381 |
| Surr: Tetrachloro-m-xylene | 68.8 | % | 10-153 | 1 | 07/07/09 23:25 | LDD | 3158381 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-404 (0-1') **Collected:** 06/30/2009 10:07 **SPL Sample ID:** 09070118-11

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 16 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166608 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.2 | 5 | 07/09/09 2:47 | LDD | 3158508 |
| Aroclor 1221 | ND < | | 0.2 | 5 | 07/09/09 2:47 | LDD | 3158508 |
| Aroclor 1232 | ND < | | 0.2 | 5 | 07/09/09 2:47 | LDD | 3158508 |
| Aroclor 1242 | ND < | | 0.2 | 5 | 07/09/09 2:47 | LDD | 3158508 |
| Aroclor 1248 | 1.5 | | 0.2 | 5 | 07/09/09 2:47 | LDD | 3159286 |
| Aroclor 1254 | 1 | | 0.2 | 5 | 07/09/09 2:47 | LDD | 3158508 |
| Aroclor 1260 | ND < | | 0.2 | 5 | 07/09/09 2:47 | LDD | 3158508 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 5 | 07/09/09 2:47 | LDD | 3158508 |
| Surr: Tetrachloro-m-xylene | 78.8 | | % 10-153 | 5 | 07/09/09 2:47 | LDD | 3158508 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-404 (0-3') **Collected:** 06/30/2009 10:08 **SPL Sample ID:** 09070118-12

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 19 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166609 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.041 | 1 | 07/08/09 0:14 | LDD | 3158383 |
| Aroclor 1221 | ND < | | 0.041 | 1 | 07/08/09 0:14 | LDD | 3158383 |
| Aroclor 1232 | ND < | | 0.041 | 1 | 07/08/09 0:14 | LDD | 3158383 |
| Aroclor 1242 | ND < | | 0.041 | 1 | 07/08/09 0:14 | LDD | 3158383 |
| Aroclor 1248 | 0.71 | | 0.081 | 2 | 07/09/09 17:12 | LDD | 3159274 |
| Aroclor 1254 | 0.53 | | 0.041 | 1 | 07/08/09 0:14 | LDD | 3158383 |
| Aroclor 1260 | ND < | | 0.041 | 1 | 07/08/09 0:14 | LDD | 3158383 |
| Surr: Decachlorobiphenyl | 93.3 | % | 10-187 | 1 | 07/08/09 0:14 | LDD | 3158383 |
| Surr: Tetrachloro-m-xylene | 89.7 | % | 10-153 | 1 | 07/08/09 0:14 | LDD | 3158383 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-404 (3-6') **Collected:** 06/30/2009 10:10 **SPL Sample ID:** 09070118-13

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.5 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166610 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 07/08/09 0:39 | LDD | 3158384 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 07/08/09 0:39 | LDD | 3158384 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 07/08/09 0:39 | LDD | 3158384 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 07/08/09 0:39 | LDD | 3158384 |
| Aroclor 1248 | ND < | | 0.036 | 1 | 07/08/09 0:39 | LDD | 3158384 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 07/08/09 0:39 | LDD | 3158384 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 07/08/09 0:39 | LDD | 3158384 |
| Surr: Decachlorobiphenyl | 104 | % | 10-187 | 1 | 07/08/09 0:39 | LDD | 3158384 |
| Surr: Tetrachloro-m-xylene | 99.1 | % | 10-153 | 1 | 07/08/09 0:39 | LDD | 3158384 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-405 (0-1') **Collected:** 06/30/2009 10:47 **SPL Sample ID:** 09070118-14

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 18 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166611 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.08 | 2 | 07/09/09 3:12 | LDD | 3158510 |
| Aroclor 1221 | ND < | | 0.08 | 2 | 07/09/09 3:12 | LDD | 3158510 |
| Aroclor 1232 | ND < | | 0.08 | 2 | 07/09/09 3:12 | LDD | 3158510 |
| Aroclor 1242 | ND < | | 0.08 | 2 | 07/09/09 3:12 | LDD | 3158510 |
| Aroclor 1248 | 1.6 | | 0.2 | 5 | 07/09/09 10:41 | LDD | 3159271 |
| Aroclor 1254 | 0.72 | | 0.08 | 2 | 07/09/09 3:12 | LDD | 3158510 |
| Aroclor 1260 | ND < | | 0.08 | 2 | 07/09/09 3:12 | LDD | 3158510 |
| Surr: Decachlorobiphenyl | 61.5 | % | 10-187 | 2 | 07/09/09 3:12 | LDD | 3158510 |
| Surr: Tetrachloro-m-xylene | 94.2 | % | 10-153 | 2 | 07/09/09 3:12 | LDD | 3158510 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-405 (0-3') **Collected:** 06/30/2009 10:49 **SPL Sample ID:** 09070118-15

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 15 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166612 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.039 | 1 | 07/08/09 1:53 | LDD | 3158387 |
| Aroclor 1221 | ND < | | 0.039 | 1 | 07/08/09 1:53 | LDD | 3158387 |
| Aroclor 1232 | ND < | | 0.039 | 1 | 07/08/09 1:53 | LDD | 3158387 |
| Aroclor 1242 | ND < | | 0.039 | 1 | 07/08/09 1:53 | LDD | 3158387 |
| Aroclor 1248 | 0.33 | | 0.039 | 1 | 07/08/09 1:53 | LDD | 3159262 |
| Aroclor 1254 | 0.17 | | 0.039 | 1 | 07/08/09 1:53 | LDD | 3158387 |
| Aroclor 1260 | ND < | | 0.039 | 1 | 07/08/09 1:53 | LDD | 3158387 |
| Surr: Decachlorobiphenyl | 117 | | % 10-187 | 1 | 07/08/09 1:53 | LDD | 3158387 |
| Surr: Tetrachloro-m-xylene | 112 | | % 10-153 | 1 | 07/08/09 1:53 | LDD | 3158387 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-405 (3-6') **Collected:** 06/30/2009 10:50 **SPL Sample ID:** 09070118-16

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 29 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166613 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.046 | 1 | 07/08/09 2:17 | LDD | 3158388 |
| Aroclor 1221 | ND < | | 0.046 | 1 | 07/08/09 2:17 | LDD | 3158388 |
| Aroclor 1232 | ND < | | 0.046 | 1 | 07/08/09 2:17 | LDD | 3158388 |
| Aroclor 1242 | ND < | | 0.046 | 1 | 07/08/09 2:17 | LDD | 3158388 |
| Aroclor 1248 | ND < | | 0.046 | 1 | 07/08/09 2:17 | LDD | 3158388 |
| Aroclor 1254 | 0.098 | | 0.046 | 1 | 07/08/09 2:17 | LDD | 3158388 |
| Aroclor 1260 | ND < | | 0.046 | 1 | 07/08/09 2:17 | LDD | 3158388 |
| Surr: Decachlorobiphenyl | 118 | % | 10-187 | 1 | 07/08/09 2:17 | LDD | 3158388 |
| Surr: Tetrachloro-m-xylene | 116 | % | 10-153 | 1 | 07/08/09 2:17 | LDD | 3158388 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-405 (6-10') **Collected:** 06/30/2009 10:53 **SPL Sample ID:** 09070118-17

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 3.3 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166614 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.034 | 1 | 07/08/09 2:42 | LDD | 3158389 |
| Aroclor 1221 | ND < | | 0.034 | 1 | 07/08/09 2:42 | LDD | 3158389 |
| Aroclor 1232 | ND < | | 0.034 | 1 | 07/08/09 2:42 | LDD | 3158389 |
| Aroclor 1242 | ND < | | 0.034 | 1 | 07/08/09 2:42 | LDD | 3158389 |
| Aroclor 1248 | ND < | | 0.034 | 1 | 07/08/09 2:42 | LDD | 3158389 |
| Aroclor 1254 | ND < | | 0.034 | 1 | 07/08/09 2:42 | LDD | 3158389 |
| Aroclor 1260 | ND < | | 0.034 | 1 | 07/08/09 2:42 | LDD | 3158389 |
| Surr: Decachlorobiphenyl | 129 | % | 10-187 | 1 | 07/08/09 2:42 | LDD | 3158389 |
| Surr: Tetrachloro-m-xylene | 123 | % | 10-153 | 1 | 07/08/09 2:42 | LDD | 3158389 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-406 (0-1') **Collected:** 06/30/2009 11:12 **SPL Sample ID:** 09070118-18

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 17 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166615 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.04 | 1 | 07/08/09 3:07 | LDD | 3158390 |
| Aroclor 1221 | ND < | | 0.04 | 1 | 07/08/09 3:07 | LDD | 3158390 |
| Aroclor 1232 | ND < | | 0.04 | 1 | 07/08/09 3:07 | LDD | 3158390 |
| Aroclor 1242 | ND < | | 0.04 | 1 | 07/08/09 3:07 | LDD | 3158390 |
| Aroclor 1248 | 0.17 | | 0.04 | 1 | 07/08/09 3:07 | LDD | 3159265 |
| Aroclor 1254 | 0.091 | | 0.04 | 1 | 07/08/09 3:07 | LDD | 3158390 |
| Aroclor 1260 | ND < | | 0.04 | 1 | 07/08/09 3:07 | LDD | 3158390 |
| Surr: Decachlorobiphenyl | 120 | % | 10-187 | 1 | 07/08/09 3:07 | LDD | 3158390 |
| Surr: Tetrachloro-m-xylene | 121 | % | 10-153 | 1 | 07/08/09 3:07 | LDD | 3158390 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-406 (0-3') **Collected:** 06/30/2009 11:13 **SPL Sample ID:** 09070118-19

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.6 | | 0.1 | 1 | 07/16/09 8:09 | JNY | 3166616 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 07/08/09 3:32 | LDD | 3158391 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 07/08/09 3:32 | LDD | 3158391 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 07/08/09 3:32 | LDD | 3158391 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 07/08/09 3:32 | LDD | 3158391 |
| Aroclor 1248 | 0.26 | | 0.037 | 1 | 07/08/09 3:32 | LDD | 3160014 |
| Aroclor 1254 | 0.18 | | 0.037 | 1 | 07/08/09 3:32 | LDD | 3158391 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 07/08/09 3:32 | LDD | 3158391 |
| Surr: Decachlorobiphenyl | 154 | % | 10-187 | 1 | 07/08/09 3:32 | LDD | 3160014 |
| Surr: Decachlorobiphenyl | 152 | % | 10-187 | 1 | 07/08/09 3:32 | LDD | 3158391 |
| Surr: Tetrachloro-m-xylene | 141 | % | 10-153 | 1 | 07/08/09 3:32 | LDD | 3160014 |
| Surr: Tetrachloro-m-xylene | 141 | % | 10-153 | 1 | 07/08/09 3:32 | LDD | 3158391 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-406 (4.5-6') **Collected:** 06/30/2009 11:15 **SPL Sample ID:** 09070118-20

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 2.8 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166911 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.034 | 1 | 07/08/09 3:56 | LDD | 3158392 |
| Aroclor 1221 | ND < | | 0.034 | 1 | 07/08/09 3:56 | LDD | 3158392 |
| Aroclor 1232 | ND < | | 0.034 | 1 | 07/08/09 3:56 | LDD | 3158392 |
| Aroclor 1242 | ND < | | 0.034 | 1 | 07/08/09 3:56 | LDD | 3158392 |
| Aroclor 1248 | ND < | | 0.034 | 1 | 07/08/09 3:56 | LDD | 3158392 |
| Aroclor 1254 | ND < | | 0.034 | 1 | 07/08/09 3:56 | LDD | 3158392 |
| Aroclor 1260 | ND < | | 0.034 | 1 | 07/08/09 3:56 | LDD | 3158392 |
| Surr: Decachlorobiphenyl | 142 | % | 10-187 | 1 | 07/08/09 3:56 | LDD | 3158392 |
| Surr: Tetrachloro-m-xylene | 134 | % | 10-153 | 1 | 07/08/09 3:56 | LDD | 3158392 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/02/2009 14:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-407 (0-1') **Collected:** 06/30/2009 11:21 **SPL Sample ID:** 09070118-21

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 14 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166912 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 07/08/09 19:02 | LDD | 3159244 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 07/08/09 19:02 | LDD | 3159244 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 07/08/09 19:02 | LDD | 3159244 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 07/08/09 19:02 | LDD | 3159244 |
| Aroclor 1248 | 0.096 | | 0.038 | 1 | 07/08/09 19:02 | LDD | 3159244 |
| Aroclor 1254 | 0.064 | | 0.038 | 1 | 07/08/09 19:02 | LDD | 3158978 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 07/08/09 19:02 | LDD | 3159244 |
| Surr: Decachlorobiphenyl | 146 | % | 10-187 | 1 | 07/08/09 19:02 | LDD | 3159244 |
| Surr: Tetrachloro-m-xylene | 140 | % | 10-153 | 1 | 07/08/09 19:02 | LDD | 3159244 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-407 (0-3') **Collected:** 06/30/2009 11:23 **SPL Sample ID:** 09070118-22

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 10 | | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166913 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | | 0.18 | 5 | 07/08/09 19:26 | LDD | 3158979 |
| Aroclor 1221 | ND < | | | 0.18 | 5 | 07/08/09 19:26 | LDD | 3158979 |
| Aroclor 1232 | ND < | | | 0.18 | 5 | 07/08/09 19:26 | LDD | 3158979 |
| Aroclor 1242 | ND < | | | 0.18 | 5 | 07/08/09 19:26 | LDD | 3158979 |
| Aroclor 1248 | 0.7 | | | 0.18 | 5 | 07/08/09 19:26 | LDD | 3158980 |
| Aroclor 1254 | 0.43 | | | 0.18 | 5 | 07/08/09 19:26 | LDD | 3158979 |
| Aroclor 1260 | ND < | | | 0.18 | 5 | 07/08/09 19:26 | LDD | 3158979 |
| Surr: Decachlorobiphenyl | 9.40 | * | % | 10-187 | 5 | 07/08/09 19:26 | LDD | 3158979 |
| Surr: Tetrachloro-m-xylene | 114 | | % | 10-153 | 5 | 07/08/09 19:26 | LDD | 3158979 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-407 (3-6') **Collected:** 06/30/2009 11:25 **SPL Sample ID:** 09070118-23

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.4 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166914 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 07/08/09 19:51 | LDD | 3158981 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 07/08/09 19:51 | LDD | 3158981 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 07/08/09 19:51 | LDD | 3158981 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 07/08/09 19:51 | LDD | 3158981 |
| Aroclor 1248 | 0.044 | | 0.036 | 1 | 07/08/09 19:51 | LDD | 3158981 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 07/08/09 19:51 | LDD | 3158981 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 07/08/09 19:51 | LDD | 3158981 |
| Surr: Decachlorobiphenyl | 100 | % | 10-187 | 1 | 07/08/09 19:51 | LDD | 3158981 |
| Surr: Tetrachloro-m-xylene | 108 | % | 10-153 | 1 | 07/08/09 19:51 | LDD | 3158981 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-407 (6-10') **Collected:** 06/30/2009 11:27 **SPL Sample ID:** 09070118-24

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 2.1 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166915 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.034 | 1 | 07/08/09 20:15 | LDD | 3158983 |
| Aroclor 1221 | ND < | | 0.034 | 1 | 07/08/09 20:15 | LDD | 3158983 |
| Aroclor 1232 | ND < | | 0.034 | 1 | 07/08/09 20:15 | LDD | 3158983 |
| Aroclor 1242 | ND < | | 0.034 | 1 | 07/08/09 20:15 | LDD | 3158983 |
| Aroclor 1248 | ND < | | 0.034 | 1 | 07/08/09 20:15 | LDD | 3158983 |
| Aroclor 1254 | ND < | | 0.034 | 1 | 07/08/09 20:15 | LDD | 3158983 |
| Aroclor 1260 | ND < | | 0.034 | 1 | 07/08/09 20:15 | LDD | 3158983 |
| Surr: Decachlorobiphenyl | 97.0 | % | 10-187 | 1 | 07/08/09 20:15 | LDD | 3158983 |
| Surr: Tetrachloro-m-xylene | 97.6 | % | 10-153 | 1 | 07/08/09 20:15 | LDD | 3158983 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-408 (0-1') **Collected:** 06/30/2009 11:33 **SPL Sample ID:** 09070118-25

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 16 | | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166916 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | | 0.2 | 5 | 07/08/09 20:40 | LDD | 3158985 |
| Aroclor 1221 | ND < | | | 0.2 | 5 | 07/08/09 20:40 | LDD | 3158985 |
| Aroclor 1232 | ND < | | | 0.2 | 5 | 07/08/09 20:40 | LDD | 3158985 |
| Aroclor 1242 | ND < | | | 0.2 | 5 | 07/08/09 20:40 | LDD | 3158985 |
| Aroclor 1248 | 2.1 | | | 0.2 | 5 | 07/08/09 20:40 | LDD | 3158985 |
| Aroclor 1254 | 0.89 | | | 0.2 | 5 | 07/08/09 20:40 | LDD | 3158986 |
| Aroclor 1260 | ND < | | | 0.2 | 5 | 07/08/09 20:40 | LDD | 3158985 |
| Surr: Decachlorobiphenyl | D | * | % | 10-187 | 5 | 07/08/09 20:40 | LDD | 3158985 |
| Surr: Tetrachloro-m-xylene | 103 | | % | 10-153 | 5 | 07/08/09 20:40 | LDD | 3158985 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-408 (0-3') **Collected:** 06/30/2009 11:35 **SPL Sample ID:** 09070118-26

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166917 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | | 0.19 | 5 | 07/08/09 21:04 | LDD | 3158987 |
| Aroclor 1221 | ND < | | | 0.19 | 5 | 07/08/09 21:04 | LDD | 3158987 |
| Aroclor 1232 | ND < | | | 0.19 | 5 | 07/08/09 21:04 | LDD | 3158987 |
| Aroclor 1242 | ND < | | | 0.19 | 5 | 07/08/09 21:04 | LDD | 3158987 |
| Aroclor 1248 | 2.2 | | | 0.19 | 5 | 07/08/09 21:04 | LDD | 3158988 |
| Aroclor 1254 | 0.85 | | | 0.19 | 5 | 07/08/09 21:04 | LDD | 3158987 |
| Aroclor 1260 | ND < | | | 0.19 | 5 | 07/08/09 21:04 | LDD | 3158987 |
| Surr: Decachlorobiphenyl | 5.20 | * | % | 10-187 | 5 | 07/08/09 21:04 | LDD | 3158987 |
| Surr: Tetrachloro-m-xylene | 112 | | % | 10-153 | 5 | 07/08/09 21:04 | LDD | 3158987 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-408 (3-6') **Collected:** 06/30/2009 11:38 **SPL Sample ID:** 09070118-27

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 3.7 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166918 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.034 | 1 | 07/08/09 22:18 | LDD | 3159093 |
| Aroclor 1221 | ND < | | 0.034 | 1 | 07/08/09 22:18 | LDD | 3159093 |
| Aroclor 1232 | ND < | | 0.034 | 1 | 07/08/09 22:18 | LDD | 3159093 |
| Aroclor 1242 | ND < | | 0.034 | 1 | 07/08/09 22:18 | LDD | 3159093 |
| Aroclor 1248 | 0.27 | | 0.034 | 1 | 07/08/09 22:18 | LDD | 3159093 |
| Aroclor 1254 | 0.1 | | 0.034 | 1 | 07/08/09 22:18 | LDD | 3159141 |
| Aroclor 1260 | ND < | | 0.034 | 1 | 07/08/09 22:18 | LDD | 3159093 |
| Surr: Decachlorobiphenyl | 81.2 | % | 10-187 | 1 | 07/08/09 22:18 | LDD | 3159093 |
| Surr: Tetrachloro-m-xylene | 85.2 | % | 10-153 | 1 | 07/08/09 22:18 | LDD | 3159093 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-409 (0-1') **Collected:** 06/30/2009 12:27 **SPL Sample ID:** 09070118-28

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 14 | | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166919 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | | 0.19 | 5 | 07/08/09 22:42 | LDD | 3159025 |
| Aroclor 1221 | ND < | | | 0.19 | 5 | 07/08/09 22:42 | LDD | 3159025 |
| Aroclor 1232 | ND < | | | 0.19 | 5 | 07/08/09 22:42 | LDD | 3159025 |
| Aroclor 1242 | ND < | | | 0.19 | 5 | 07/08/09 22:42 | LDD | 3159025 |
| Aroclor 1248 | 5.6 | | | 0.38 | 10 | 07/09/09 12:35 | LDD | 3159105 |
| Aroclor 1254 | 1.4 | | | 0.19 | 5 | 07/08/09 22:42 | LDD | 3159025 |
| Aroclor 1260 | ND < | | | 0.19 | 5 | 07/08/09 22:42 | LDD | 3159025 |
| Surr: Decachlorobiphenyl | 82.4 | | % | 10-187 | 5 | 07/08/09 22:42 | LDD | 3159025 |
| Surr: Tetrachloro-m-xylene | 170 | * | % | 10-153 | 5 | 07/08/09 22:42 | LDD | 3159025 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-409 (0-3') **Collected:** 06/30/2009 12:30 **SPL Sample ID:** 09070118-29

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.3 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166920 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 07/08/09 23:32 | LDD | 3159040 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 07/08/09 23:32 | LDD | 3159040 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 07/08/09 23:32 | LDD | 3159040 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 07/08/09 23:32 | LDD | 3159040 |
| Aroclor 1248 | 0.36 | | 0.036 | 1 | 07/08/09 23:32 | LDD | 3159041 |
| Aroclor 1254 | 0.2 | | 0.036 | 1 | 07/08/09 23:32 | LDD | 3159040 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 07/08/09 23:32 | LDD | 3159040 |
| Surr: Decachlorobiphenyl | 99.1 | % | 10-187 | 1 | 07/08/09 23:32 | LDD | 3159040 |
| Surr: Tetrachloro-m-xylene | 106 | % | 10-153 | 1 | 07/08/09 23:32 | LDD | 3159040 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-409 (3-6') **Collected:** 06/30/2009 12:32 **SPL Sample ID:** 09070118-30

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166921 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 07/08/09 23:56 | LDD | 3159042 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 07/08/09 23:56 | LDD | 3159042 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 07/08/09 23:56 | LDD | 3159042 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 07/08/09 23:56 | LDD | 3159042 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 07/08/09 23:56 | LDD | 3159042 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 07/08/09 23:56 | LDD | 3159042 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 07/08/09 23:56 | LDD | 3159042 |
| Surr: Decachlorobiphenyl | 124 | % | 10-187 | 1 | 07/08/09 23:56 | LDD | 3159042 |
| Surr: Tetrachloro-m-xylene | 124 | % | 10-153 | 1 | 07/08/09 23:56 | LDD | 3159042 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-410 (0-1') **Collected:** 06/30/2009 12:40 **SPL Sample ID:** 09070118-31

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 6.1 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166922 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.18 | 5 | 07/09/09 0:21 | LDD | 3159045 |
| Aroclor 1221 | ND < | | 0.18 | 5 | 07/09/09 0:21 | LDD | 3159045 |
| Aroclor 1232 | ND < | | 0.18 | 5 | 07/09/09 0:21 | LDD | 3159045 |
| Aroclor 1242 | ND < | | 0.18 | 5 | 07/09/09 0:21 | LDD | 3159045 |
| Aroclor 1248 | 0.83 | | 0.18 | 5 | 07/09/09 0:21 | LDD | 3159045 |
| Aroclor 1254 | 0.34 | | 0.18 | 5 | 07/09/09 0:21 | LDD | 3159103 |
| Aroclor 1260 | ND < | | 0.18 | 5 | 07/09/09 0:21 | LDD | 3159045 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 5 | 07/09/09 0:21 | LDD | 3159045 |
| Surr: Tetrachloro-m-xylene | 102 | | % 10-153 | 5 | 07/09/09 0:21 | LDD | 3159045 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-410 (0-3') **Collected:** 06/30/2009 12:43 **SPL Sample ID:** 09070118-32

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 6.9 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166923 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.035 | 1 | 07/09/09 0:45 | LDD | 3159046 |
| Aroclor 1221 | ND < | | 0.035 | 1 | 07/09/09 0:45 | LDD | 3159046 |
| Aroclor 1232 | ND < | | 0.035 | 1 | 07/09/09 0:45 | LDD | 3159046 |
| Aroclor 1242 | ND < | | 0.035 | 1 | 07/09/09 0:45 | LDD | 3159046 |
| Aroclor 1248 | 0.16 | | 0.035 | 1 | 07/09/09 0:45 | LDD | 3159047 |
| Aroclor 1254 | 0.067 | | 0.035 | 1 | 07/09/09 0:45 | LDD | 3159046 |
| Aroclor 1260 | ND < | | 0.035 | 1 | 07/09/09 0:45 | LDD | 3159046 |
| Surr: Decachlorobiphenyl | 106 | | % 10-187 | 1 | 07/09/09 0:45 | LDD | 3159046 |
| Surr: Tetrachloro-m-xylene | 113 | | % 10-153 | 1 | 07/09/09 0:45 | LDD | 3159046 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-410 (3-6') **Collected:** 06/30/2009 12:45 **SPL Sample ID:** 09070118-33

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 7.2 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166924 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 07/09/09 1:10 | LDD | 3159048 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 07/09/09 1:10 | LDD | 3159048 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 07/09/09 1:10 | LDD | 3159048 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 07/09/09 1:10 | LDD | 3159048 |
| Aroclor 1248 | ND < | | 0.036 | 1 | 07/09/09 1:10 | LDD | 3159048 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 07/09/09 1:10 | LDD | 3159048 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 07/09/09 1:10 | LDD | 3159048 |
| Surr: Decachlorobiphenyl | 91.5 | % | 10-187 | 1 | 07/09/09 1:10 | LDD | 3159048 |
| Surr: Tetrachloro-m-xylene | 97.0 | % | 10-153 | 1 | 07/09/09 1:10 | LDD | 3159048 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-411 (0-1') **Collected:** 06/30/2009 12:50 **SPL Sample ID:** 09070118-34

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 14 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166925 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.19 | 5 | 07/09/09 1:34 | LDD | 3159050 |
| Aroclor 1221 | ND < | | 0.19 | 5 | 07/09/09 1:34 | LDD | 3159050 |
| Aroclor 1232 | ND < | | 0.19 | 5 | 07/09/09 1:34 | LDD | 3159050 |
| Aroclor 1242 | ND < | | 0.19 | 5 | 07/09/09 1:34 | LDD | 3159050 |
| Aroclor 1248 | 2.1 | | 0.19 | 5 | 07/09/09 1:34 | LDD | 3159051 |
| Aroclor 1254 | 0.92 | | 0.19 | 5 | 07/09/09 1:34 | LDD | 3159050 |
| Aroclor 1260 | ND < | | 0.19 | 5 | 07/09/09 1:34 | LDD | 3159050 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 5 | 07/09/09 1:34 | LDD | 3159050 |
| Surr: Tetrachloro-m-xylene | 103 | | % 10-153 | 5 | 07/09/09 1:34 | LDD | 3159050 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-411 (0-3') **Collected:** 06/30/2009 12:52 **SPL Sample ID:** 09070118-35

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 6.9 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166926 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.035 | 1 | 07/09/09 1:59 | LDD | 3159052 |
| Aroclor 1221 | ND < | | 0.035 | 1 | 07/09/09 1:59 | LDD | 3159052 |
| Aroclor 1232 | ND < | | 0.035 | 1 | 07/09/09 1:59 | LDD | 3159052 |
| Aroclor 1242 | ND < | | 0.035 | 1 | 07/09/09 1:59 | LDD | 3159052 |
| Aroclor 1248 | 0.19 | | 0.035 | 1 | 07/09/09 1:59 | LDD | 3159053 |
| Aroclor 1254 | 0.081 | | 0.035 | 1 | 07/09/09 1:59 | LDD | 3159052 |
| Aroclor 1260 | ND < | | 0.035 | 1 | 07/09/09 1:59 | LDD | 3159052 |
| Surr: Decachlorobiphenyl | 132 | | % 10-187 | 1 | 07/09/09 1:59 | LDD | 3159052 |
| Surr: Tetrachloro-m-xylene | 142 | | % 10-153 | 1 | 07/09/09 1:59 | LDD | 3159052 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-411 (3-6') **Collected:** 06/30/2009 12:55 **SPL Sample ID:** 09070118-36

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 7.2 | | 0.1 | 1 | 07/16/09 8:55 | JNY | 3166927 |
| **POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 07/09/09 2:23 | LDD | 3159054 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 07/09/09 2:23 | LDD | 3159054 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 07/09/09 2:23 | LDD | 3159054 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 07/09/09 2:23 | LDD | 3159054 |
| Aroclor 1248 | 0.075 | | 0.036 | 1 | 07/09/09 2:23 | LDD | 3159084 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 07/09/09 2:23 | LDD | 3159054 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 07/09/09 2:23 | LDD | 3159054 |
| Surr: Decachlorobiphenyl | 136 | % | 10-187 | 1 | 07/09/09 2:23 | LDD | 3159054 |
| Surr: Tetrachloro-m-xylene | 129 | % | 10-153 | 1 | 07/09/09 2:23 | LDD | 3159054 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 07/05/2009 7:37 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

# *Quality Control Documentation*

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **PERCENT MOISTURE** | **WorkOrder:** | **09070118** |
| **Method:** | **D2216** | **Lab Batch ID:** | **R210656** |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09070118-01A | SB-401 (0-1') |
| 09070118-02A | SB-401 (0-3') |
| 09070118-03A | SB-401 (3-6') |
| 09070118-04A | SB-401 (6-10') |
| 09070118-05A | SB-402 (0-1') |
| 09070118-06A | SB-402 (0-3') |
| 09070118-07A | SB-402 (3-6') |
| 09070118-08A | SB-403 (0-1') |
| 09070118-09A | SB-403 (0-3') |
| 09070118-10A | SB-403 (3-6') |
| 09070118-11A | SB-404 (0-1') |
| 09070118-12A | SB-404 (0-3') |
| 09070118-13A | SB-404 (3-6') |
| 09070118-14A | SB-405 (0-1') |
| 09070118-15A | SB-405 (0-3') |
| 09070118-16A | SB-405 (3-6') |
| 09070118-17A | SB-405 (6-10') |
| 09070118-18A | SB-406 (0-1') |
| 09070118-19A | SB-406 (0-3') |

**Sample Duplicate**

| | | | |
|---|---|---|---|
| Original Sample: | 09070118-19 | | |
| RunID: | WET_090716B-3166616 | Units: | wt% |
| Analysis Date: | 07/16/2009 8:09 | Analyst: | JNY |

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 9.6 | 9.54 | 1.0 | 20 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **PERCENT MOISTURE** | **WorkOrder:** | **09070118** |
| **Method:** | **D2216** | **Lab Batch ID:** | **R210680** |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09070118-20A | SB-406 (4.5-6') |
| 09070118-21A | SB-407 (0-1') |
| 09070118-22A | SB-407 (0-3') |
| 09070118-23A | SB-407 (3-6') |
| 09070118-24A | SB-407 (6-10') |
| 09070118-25A | SB-408 (0-1') |
| 09070118-26A | SB-408 (0-3') |
| 09070118-27A | SB-408 (3-6') |
| 09070118-28A | SB-409 (0-1') |
| 09070118-29A | SB-409 (0-3') |
| 09070118-30A | SB-409 (3-6') |
| 09070118-31A | SB-410 (0-1') |
| 09070118-32A | SB-410 (0-3') |
| 09070118-33A | SB-410 (3-6') |
| 09070118-34A | SB-411 (0-1') |
| 09070118-35A | SB-411 (0-3') |
| 09070118-36A | SB-411 (3-6') |

### Sample Duplicate

| | | | |
|---|---|---|---|
| Original Sample: | 09070118-36 | | |
| RunID: | WET_090716D-3166927 | Units: | wt% |
| Analysis Date: | 07/16/2009 8:55 | Analyst: | JNY |

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 7.2 | 7.28 | 1.3 | 20 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **Polychlorinated Biphenyls by EPA 8082A - soil** | **WorkOrder:** | **09070118** |
| **Method:** | **SW8082** | **Lab Batch ID:** | **81132** |

### Method Blank

RunID: PEST_090706C-3158355 Units: mg/Kg
Analysis Date: 07/07/2009 16:55 Analyst: LDD
Preparation Date: 07/02/2009 14:37 Prep By: TCM Method: SW3550C

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND < | 0.033 |
| Aroclor 1221 | ND < | 0.033 |
| Aroclor 1232 | ND < | 0.033 |
| Aroclor 1242 | ND < | 0.033 |
| Aroclor 1248 | ND < | 0.033 |
| Aroclor 1254 | ND < | 0.033 |
| Aroclor 1260 | ND < | 0.033 |
| Surr: Decachlorobiphenyl | 127.3 | 10-187 |
| Surr: Tetrachloro-m-xylene | 131.2 | 10-153 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09070118-01A | SB-401 (0-1') |
| 09070118-02A | SB-401 (0-3') |
| 09070118-03A | SB-401 (3-6') |
| 09070118-04A | SB-401 (6-10') |
| 09070118-05A | SB-402 (0-1') |
| 09070118-06A | SB-402 (0-3') |
| 09070118-07A | SB-402 (3-6') |
| 09070118-08A | SB-403 (0-1') |
| 09070118-09A | SB-403 (0-3') |
| 09070118-10A | SB-403 (3-6') |
| 09070118-11A | SB-404 (0-1') |
| 09070118-12A | SB-404 (0-3') |
| 09070118-13A | SB-404 (3-6') |
| 09070118-14A | SB-405 (0-1') |
| 09070118-15A | SB-405 (0-3') |
| 09070118-16A | SB-405 (3-6') |
| 09070118-17A | SB-405 (6-10') |
| 09070118-18A | SB-406 (0-1') |
| 09070118-19A | SB-406 (0-3') |
| 09070118-20A | SB-406 (4.5-6') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST_090706C-3158356 Units: mg/Kg
Analysis Date: 07/07/2009 17:19 Analyst: LDD
Preparation Date: 07/02/2009 14:37 Prep By: TCM Method: SW3550C

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 0.330 | 0.329 | 99.7 | 0.330 | 0.400 | 121 | 19.4 | 28 | 53 | 148 |
| Aroclor 1260 | 0.330 | 0.431 | 130 | 0.330 | 0.448 | 136 | 4.0 | 33 | 52 | 152 |
| Surr: Decachlorobiphenyl | 0.0330 | 0.0370 | 112 | 0.0330 | 0.0416 | 126 | 11.7 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | 0.0330 | 0.0318 | 96.4 | 0.0330 | 0.0422 | 128 | 28.1 | 30 | 10 | 153 |

### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/16/2009 4:06:43 PM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **Polychlorinated Biphenyls by EPA 8082A - soil** | **WorkOrder:** | **09070118** |
| **Method:** | **SW8082** | **Lab Batch ID:** | **81132** |

| | | | |
|---|---|---|---|
| Sample Spiked: | 09070118-07 | | |
| RunID: | PEST_090706C-3158377 | Units: | mg/Kg-dry |
| Analysis Date: | 07/07/2009 21:48 | Analyst: | LDD |
| Preparation Date: | 07/02/2009 14:37 | Prep By: | TCM Method: SW3550C |

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND < | 0.361 | 0.442 | 122 | 0.361 | 0.427 | 118 | 3.60 | 48 | 10 | 181 |
| Aroclor 1260 | ND < | 0.361 | 0.545 | 151 | 0.361 | 0.536 | 148 | 1.75 | 49 | 10 | 154 |
| Surr: Decachlorobiphenyl | ND < | 0.0361 | 0.0515 | 142 | 0.0361 | 0.0508 | 141 | 1.28 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | ND < | 0.0361 | 0.0464 | 128 | 0.0361 | 0.0447 | 124 | 3.85 | 30 | 10 | 153 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/16/2009 4:06:43 PM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by EPA 8082A - soil** **WorkOrder:** **09070118**
**Method:** **SW8082** **Lab Batch ID:** **81146**

### Method Blank

RunID: PEST_090706B-3156663 Units: mg/Kg
Analysis Date: 07/07/2009 0:56 Analyst: LDD
Preparation Date: 07/05/2009 7:37 Prep By: TCM Method: SW3550C

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND < | 0.033 |
| Aroclor 1221 | ND < | 0.033 |
| Aroclor 1232 | ND < | 0.033 |
| Aroclor 1242 | ND < | 0.033 |
| Aroclor 1248 | ND < | 0.033 |
| Aroclor 1254 | ND < | 0.033 |
| Aroclor 1260 | ND < | 0.033 |
| Surr: Decachlorobiphenyl | 84.5 | 10-187 |
| Surr: Tetrachloro-m-xylene | 96.7 | 10-153 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09070118-21A | SB-407 (0-1') |
| 09070118-22A | SB-407 (0-3') |
| 09070118-23A | SB-407 (3-6') |
| 09070118-24A | SB-407 (6-10') |
| 09070118-25A | SB-408 (0-1') |
| 09070118-26A | SB-408 (0-3') |
| 09070118-27A | SB-408 (3-6') |
| 09070118-28A | SB-409 (0-1') |
| 09070118-29A | SB-409 (0-3') |
| 09070118-30A | SB-409 (3-6') |
| 09070118-31A | SB-410 (0-1') |
| 09070118-32A | SB-410 (0-3') |
| 09070118-33A | SB-410 (3-6') |
| 09070118-34A | SB-411 (0-1') |
| 09070118-35A | SB-411 (0-3') |
| 09070118-36A | SB-411 (3-6') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST_090706B-3156664 Units: mg/Kg
Analysis Date: 07/07/2009 1:20 Analyst: LDD
Preparation Date: 07/05/2009 7:37 Prep By: TCM Method: SW3550C

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 0.330 | 0.309 | 93.6 | 0.330 | 0.353 | 107 | 13.4 | 28 | 53 | 148 |
| Aroclor 1260 | 0.330 | 0.333 | 101 | 0.330 | 0.379 | 115 | 12.8 | 33 | 52 | 152 |
| Surr: Decachlorobiphenyl | 0.0330 | 0.0292 | 88.5 | 0.0330 | 0.0345 | 105 | 16.6 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | 0.0330 | 0.0332 | 101 | 0.0330 | 0.0346 | 105 | 4.1 | 30 | 10 | 153 |

### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/16/2009 4:06:44 PM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by EPA 8082A - soil** **WorkOrder:** **09070118**
**Method:** **SW8082** **Lab Batch ID:** **81146**

Sample Spiked: 09070118-26
RunID: PEST_090706B-3158989 Units: mg/Kg-dry
Analysis Date: 07/08/2009 21:29 Analyst: LDD
Preparation Date: 07/05/2009 7:37 Prep By: TCM Method: SW3550C

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND < | 0.371 | 0.503 | 136 | 0.371 | 0.525 | 142 | 4.18 | 48 | 10 | 181 |
| Aroclor 1260 | ND < | 0.371 | 0.932 | 251 * | 0.371 | 0.917 | 247 * | 1.63 | 49 | 10 | 154 |
| Surr: Decachlorobiphenyl | ND < | 0.0371 | D | D | 0.0371 | D | D | D | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | ND < | 0.0371 | 0.0384 | 104 | 0.0371 | 0.0400 | 108 | 4.01 | 30 | 10 | 153 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/16/2009 4:06:44 PM

# *Sample Receipt Checklist*

# *And*

# *Chain of Custody*

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Workorder: | **09070118** | Received By: | **GAS** |
| Date and Time Received: | **7/2/2009 8:45:00 AM** | Carrier name: | **FedEx-Std 1 Day PM** |
| Temperature: | **4.5°C** | Chilled by: | **Water Ice** |

| | | | | |
|---|---|---|---|---|
| **1.** | **Shipping container/cooler in good condition?** | Yes ☑ | No ☐ | Not Present ☐ |
| **2.** | **Custody seals intact on shippping container/cooler?** | Yes ☑ | No ☐ | Not Present ☐ |
| **3.** | **Custody seals intact on sample bottles?** | Yes ☐ | No ☐ | Not Present ☑ |
| **4.** | **Chain of custody present?** | Yes ☑ | No ☐ | |
| **5.** | **Chain of custody signed when relinquished and received?** | Yes ☑ | No ☐ | |
| **6.** | **Chain of custody agrees with sample labels?** | Yes ☑ | No ☐ | |
| **7.** | **Samples in proper container/bottle?** | Yes ☑ | No ☐ | |
| **8.** | **Sample containers intact?** | Yes ☑ | No ☐ | |
| **9.** | **Sufficient sample volume for indicated test?** | Yes ☑ | No ☐ | |
| **10.** | **All samples received within holding time?** | Yes ☑ | No ☐ | |
| **11.** | **Container/Temp Blank temperature in compliance?** | Yes ☑ | No ☐ | |
| **12.** | **Water - VOA vials have zero headspace?** | Yes ☐ | No ☐ | VOA Vials Not Present ☑ |
| **13.** | **Water - Preservation checked upon receipt (except VOA*)?** | Yes ☐ | No ☐ | Not Applicable ☑ |

***VOA Preservation Checked After Sample Analysis**

**SPL Representative:** _____ **Contact Date & Time:** _____

**Client Name Contacted:** _____

**Non Conformance Issues:** _____

**Client Instructions:** _____

09070118



# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:** Northeast
**State or Lead Regulatory Agency:** MA DEP
**Requested Due Date (mm/dd/yy):** Standard
**COC Tracking Number:** 132169-2009

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABORATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | 500 Ambassador Caffery Parkway | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | Scott, LA 70583 | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | 5795-05 |
| Tele/Fax: | 717-656-2300 / 717-656-2681 | Address: | 41 Rumsford St. | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | US EPA Region 5 EDMAN no QC | Concord, NH, 3301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | CEA |

Lab Bottle Order No:

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative: none | Requested Analysis: 8082PCBs | | | | | | | | | | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-401 (0-1') | 9:00 | 6/30/09 | | SO | | | 1 | X | X | | | | | | | | | 1 | |
| 2 | SB-401 (0-3') | 9:03 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 3 | SB-401 (3-6') | 9:05 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 4 | SB-401 (6-10') | 9:08 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 5 | SB-402 (0-1') | 9:18 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 6 | SB-402 (0-3') | 9:20 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 7 | SB-402 (3-6') | 9:21 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 8 | SB-403 (0-1') | 9:32 | | | SO | | | 1 | | X | | | | | | | | | 1 | RL: 5008 (a) |
| 9 | SB-403 (0-3') | 9:35 | | | SO | | | 1 | | X | | | | | | | | | 1 | Temp 4.5C (1 of 4) |
| 10 | SB-403 (3-6') | 9:37 | | | SO | | | 1 | | X | | | | | | | | | 1 | C/S in cooler |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | [signature] | 7/1/09 | 1:45p | [signature] | 7/2/09 | 8:00 |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | [signature] | | | [signature] | 7/2/09 | 8:45 |
| Shipment Date: | 7/1/09 | | | | | | |
| Shipment Method: | Fed Ex | | | | | | |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:** Email report to aguaraldi@cea-inc.com, kduprey@cea-inc.com and svandersea@cea-inc.com

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

09070118



# Chain of Custody Record

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

**Sunoco DUNS #:** 03745593
**Region:** Northeast
**State or Lead Regulatory Agency:** MA DEP
**Requested Due Date (mm/dd/yy):** Standard
**COC Tracking Number:** 132169-2009

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABORATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | 500 Ambassador Caffery Parkway | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | Scott, LA 70583 | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Elov Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | 5795-05 |
| Tele/Fax: | 717-656-2300 717-656-2681 | Address: | 41 Rumsford St. | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | US EPA Region 5 EDMAN no QC | Concord, NH, 3301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | CEA |

Lab Bottle Order No:

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative: 1 6oz | Requested Analysis: 8082PCBs | | | | | | | | | | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-404 (0-1') | 10:07 | 6/3/09 | | SO | | | 1 | X | X | | | | | | | | | 1 | |
| 2 | SB-404 (0-3') | 10:08 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 3 | SB-404 (3-6') | 10:10 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 4 | SB-405 (0-1') | 10:47 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 5 | SB-405 (0-3') | 10:49 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 6 | SB-405 (3-6') | 10:50 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 7 | SB-405 (6-10') | 10:53 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 8 | SB-406 (0-1') | 11:12 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 9 | SB-406 (0-3') | 11:13 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 10 | SB-406 (4.5-6') | 11:15 | | | SO | | | 1 | | X | | | | | | | | | 1 | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | | | | | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | | 7/1/09 | 1:45 a.m. | | 7/2/09 | 8:00 |
| Shipment Date: | 7/1/09 | | | | | | |
| Shipment Method: | Fed Ex | | | | | 7/2/09 | 8:45 |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:** Email report to aguaraldi@cea-inc.com, kduprey@cea-inc.com and svandersea@cea-inc.com

Custody Seals In Place Yes No Temp Blank Yes No | Cooler Temperature on Receipt OF/C Trip Blank Yes No

09070118



# Chain of Custody Record

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: | 0.0 Direc |

**Sunoco DUNS #:** 03745593
**Region:** Northeast
**State or Lead Regulatory Agency:** MA DEP
**Requested Due Date (mm/dd/yy):** Standard
**COC Tracking Number:** 132169-2009

| | | | |
|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABORATORY | Facility Address: | 88-90 SOUTH MAPLE STREET |
| Address: | 500 Ambassador Caffery Parkway | Facility City, State: | WESTFIELD MA |
| | Scott, LA 70583 | Site Lat Long: | 42.111223 -72.764268 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu |
| Tele Fax: | 717-656-2300 / 717-656-2681 | Address: | 41 Rumsford St. |
| Report Type & QC Level: | US EPA Region 5 EDMAN no QC | | Concord, NH. 3301 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele Fax: | (603) 715-1220 (866) 257-9205 |

| | |
|---|---|
| Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | 127 Hartwell Street. |
| | West Boylston, MA, 01583 |
| Consultant/Contractor Project No.: | 5795-05 |
| Consultant/Contractor PM: | Scott VanderSea |
| Tele Fax: | 508-835-8822 508-835-8812 |
| Invoice to: | CEA |

Lab Bottle Order No:

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative: None | Requested Analysis: 8082PCBs | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-407 (0-1') | 11:21 | 6/30/09 | | SO | | | 1 | X | X | |
| 2 | SB-407 (0-3') | 11:23 | | | SO | | | 1 | | X | |
| 3 | SB-407 (3-6') | 11:25 | | | SO | | | 1 | | X | |
| 4 | SB-407 (6-10') | 11:27 | | | SO | | | 1 | | X | |
| 5 | SB-408 (0-1') | 11:33 | | | SO | | | 1 | | X | |
| 6 | SB-408 (0-3') | 11:35 | | | SO | | | 1 | | X | |
| 7 | SB-408 (3-6') | 11:38 | | | SO | | | 1 | | X | |
| 8 | SB-409 (0-1') | 12:27 | | | SO | | | 1 | | X | |
| 9 | SB-409 (0-3') | 12:30 | | | SO | | | 1 | | X | |
| 10 | SB-409 (3-6') | 12:32 | | | SO | | | 1 | | X | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | Adam Guaraldi | 7/1/09 | 1:45p.m. | | 7/2/09 | 8:00 |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | | | | | | |
| Shipment Date: | 7/1/09 | | | | | 7/2/09 | 8:45 |
| Shipment Method: | Fed Ex | | | | | | |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:** Email report to aguaraldi@cea-inc.com, kduprey@cea-inc.com and svandersea@cea-inc.com

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

09070118



# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:** Northeast
**State or Lead Regulatory Agency:** MA DEP
**Requested Due Date (mm/dd/yy):** Standard
**COC Tracking Number:** 132169-2009

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABORATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | 500 Ambassador Caffery Parkway | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | Scott, LA 70583 | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | 5795-05 |
| Tele/Fax: | 717-656-2300 / 717-656-2681 | Address: | 41 Rumsford St. | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | US EPA Region 5 EDMAN no QC | Concord, NH, 3301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | CEA |

Lab Bottle Order No:

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative: none | Requested Analysis: 8082PCBs | | | | | | | | | | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-410 (0-1') | 12:40 | 6/30/09 | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 2 | SB-410 (0-3') | 12:43 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 3 | SB-410 (3-6') | 12:45 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 4 | SB-411 (0-1') | 12:50 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 5 | SB-411 (0-3') | 12:52 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 6 | SB-411 (3-6') | 12:55 | | | SO | | | 1 | | X | | | | | | | | | 1 | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | | | | | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | | 7/1/09 | 1:45 pm | | 7/2/09 | 8:00 |
| Shipment Date: | 7/1/09 | | | | | | |
| Shipment Method: | FedEx | | | | | 7/2/09 | 8:45 |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:** Email report to aguaraldi@cea-inc.com, kduprey@cea-inc.com and svandersea@cea-inc.com

Custody Seals In Place Yes No Temp Blank Yes No | Cooler Temperature on Receipt OF/C Trip Blank Yes No

**FedEx** Express — *US Airbill*

FedEx Tracking Number: 8696 8043 0079

**From** This portion can be removed for Recipient's records.

Date: 7/1/09 FedEx Tracking Number: 869680430079

Sender's Name: Adam Guerald. Phone: 508 835-8827

Company: CEA, Inc

Address: 127 Hartwell St Dept/Floor/Suite/Room

City: W. Boylston State: MA ZIP: 01583

**2 Your Internal Billing Reference**

**3 To**

Recipient's Name: Phone: 877 227-4775

Company: SOUTHERN PETROLEUM LAB

Recipient's Address: 5103 AMBASSADOR CAFFERY HWY Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address:

To request a package be held at a specific FedEx location, print FedEx address here.

City: LAFAYETTE State: LA ZIP: 70508-5300

0404085331

Form ID No. 0215 — Recipient's Copy

**4a Express Package Service** — *Packages up to 150 lbs.*

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

**4b Express Freight Service** — *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

**5 Packaging**

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

**6 Special Handling** — Include FedEx address in Section 3.

- [ ] **SATURDAY Delivery** — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] **HOLD Weekday at FedEx Location** — Not available for FedEx First Overnight.
- [ ] **HOLD Saturday at FedEx Location** — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

**Does this shipment contain dangerous goods?** One box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

**7 Payment** *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Obtain Recip. Acct. No. [ ]

[redacted]

| Total Packages | Total Weight | [redacted] |
|---|---|---|
| 1 | 45 | |

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

**8 Residential Delivery Signature Options** — If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

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# MADEP MCP Analytical Method Report Certification Form

| | |
|---|---|
| Laboratory Name: **SPL, Inc.** | Project #: SUNOCO DUNS#03745593 |
| Project Location: 88-90 SOUTH MAPLE ST., WESTFIELD, MA | MADEP RTN[1]: |

**SPL Certificate of Analysis Number: 9070118 (samples listed on Cover Page)**

Sample Matrices: **Soil/Sedimient** Groundwater Drinking Water Other:

| **MCP SW-846 Methods Used** | 8260B ( ) | 8151A ( ) | 8310 ( ) | 6010B ( X ) | 7470A/1A ( ) |
|---|---|---|---|---|---|
| | 8270C ( ) | 8015B ( ) | VPH ( ) | 6020 ( ) | 9014M[2] ( ) |
| As specified in MADEP Compendium of Analytical Methods. (check all that apply) | 8082 ( X ) | 8021B ( ) | EPH ( ) | 7000 S[3] ( ) | 7196 ( ) |

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte.

***An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| **A** | Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set? | [Yes] No[1] |
| **B** | Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines? | [Yes] No[1] |
| **C** | Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A; "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? | [Yes] No[1] |
| **D** | ***VPH and EPH methods only***: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? | [Yes] No[1] |

***A response to questions E and F below is required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| **E** | Were all QC performance standards and recommendations for the specified method achieved? | [Yes] No[1] |
| **F** | Were results for all analyte-list compounds/elements for the specified method(s) reported? | [Yes] No[1] |

*[1] All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Signature: _____ Position: Project Manager

Printed Name: Eloy Granados Date: 15-Jul-09

# MADEP MCP Analytical Method Report Certification Form

| | |
|---|---|
| Laboratory Name: **SPL, Inc.** | Project #: SUNOCO DUNS#03745593 |
| Project Location: 88-90 SOUTH MAPLE ST., WESTFIELD, MA | MADEP RTN[1]: |

**SPL Certificate of Analysis Number: 9070118 (samples listed on Cover Page)**

Sample Matrices: **Soil/Sedimient** Groundwater Drinking Water Other:

| **MCP SW-846 Methods Used** | 8260B ( ) | 8151A ( ) | 8310 ( ) | 6010B ( X ) | 7470A/1A ( ) |
|---|---|---|---|---|---|
| | 8270C ( ) | 8015B ( ) | VPH ( ) | 6020 ( ) | 9014M[2] ( ) |
| As specified in MADEP Compendium of Analytical Methods. (check all that apply) | 8082 ( X ) | 8021B ( ) | EPH ( ) | 7000 S[3] ( ) | 7196 ( ) |

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte.

***An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| **A** | Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set? | [Yes] No[1] |
| **B** | Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines? | [Yes] No[1] |
| **C** | Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A; "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? | [Yes] No[1] |
| **D** | ***VPH and EPH methods only***: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? | [Yes] No[1] |

***A response to questions E and F below is required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| **E** | Were all QC performance standards and recommendations for the specified method achieved? | [Yes] No[1] |
| **F** | Were results for all analyte-list compounds/elements for the specified method(s) reported? | [Yes] No[1] |

*[1] All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Signature: _____ Position: Project Manager

Printed Name: Eloy Granados Date: 15-Jul-09

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

## Case Narrative for:

# SUNOCO, INC

## Certificate of Analysis Number:

## 09060059

| | | | |
|---|---|---|---|
| **Report To:** | | **Project Name:** | **WESTFIELD, MA** |
| **CORPORATE ENVIRONMENTAL ADVISORS, INC.** | | **Site:** | **SUNOCO DUNS #0374-5593** |
| **KIMBERLY DUPREY** | | **Site Address:** | **88-90 SOUTH MAPLE STREET** |
| **127 HARTWELL ST.** | | | **WESTFIELD MA** |
| **WEST BOYLESTON** | | **PO Number:** | |
| **MA** | | **State:** | **Massachusetts** |
| **01583-** | | **State Cert. No.:** | **M-LA013** |
| **ph: (508) 835-8822** | **fax:** | **Date Reported:** | **6/12/2009** |

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: _____ PAGES

6/12/2009

Alberto E. Granados
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# SUNOCO, INC

## Certificate of Analysis Number:

## 09060059

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.
KIMBERLY DUPREY
127 HARTWELL ST.

WEST BOYLESTON
MA
01583-
ph: (508) 835-8822 fax: (508) 835-8812

**Fax To:**

**Project Name:** WESTFIELD, MA
**Site:** SUNOCO DUNS #0374-5593
**Site Address:** 88-90 SOUTH MAPLE STREET
WESTFIELD MA
**PO Number:**
**State:** Massachusetts
**State Cert. No.:** M-LA013
**Date Reported:** 6/12/2009

| Client Sample ID | Lab Sample ID | Matrix | Date Collected | Date Received | COC ID | HOLD |
|---|---|---|---|---|---|---|
| SB-301 (0-3') | 09060059-01 | Soil | 5/27/2009 10:25:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-301 (3-6') | 09060059-02 | Soil | 5/27/2009 10:32:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-301 (6-10') | 09060059-03 | Soil | 5/27/2009 10:39:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-302 (0-3') | 09060059-04 | Soil | 5/27/2009 10:57:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-302 (3-6') | 09060059-05 | Soil | 5/27/2009 11:06:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-302 (6-10') | 09060059-06 | Soil | 5/27/2009 11:13:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-303 (0-3') | 09060059-07 | Soil | 5/27/2009 12:35:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-303 (3-6') | 09060059-08 | Soil | 5/27/2009 12:41:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-303 (6-10') | 09060059-09 | Soil | 5/27/2009 12:49:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-304 (0-3') | 09060059-10 | Soil | 5/26/2009 9:16:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-304 (3-6') | 09060059-11 | Soil | 5/26/2009 9:20:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-304 (6-10') | 09060059-12 | Soil | 5/27/2009 9:09:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-305 (0-1') | 09060059-13 | Soil | 5/27/2009 1:01:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-305 (0-3') | 09060059-14 | Soil | 5/27/2009 1:04:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-305 (3-6') | 09060059-15 | Soil | 5/27/2009 1:08:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-305 (6-10') | 09060059-16 | Soil | 5/27/2009 1:10:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-306 (0-1') | 09060059-17 | Soil | 5/27/2009 1:15:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-306 (0-3') | 09060059-18 | Soil | 5/27/2009 1:17:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-306 (3-6') | 09060059-19 | Soil | 5/27/2009 1:19:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-306 (6-10') | 09060059-20 | Soil | 5/27/2009 1:21:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-307 (0-3') | 09060059-21 | Soil | 5/27/2009 10:50:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-307 (3-6') | 09060059-22 | Soil | 5/27/2009 11:50:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-307 (6-10') | 09060059-23 | Soil | 5/27/2009 11:55:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-308 (0-3') | 09060059-24 | Soil | 5/26/2009 9:47:00 AM | 6/2/2009 10:00:00 AM | | ☐ |

6/12/2009

Alberto E. Granados
Project Manager

Date

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# SUNOCO, INC

## Certificate of Analysis Number:

## 09060059

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.
KIMBERLY DUPREY
127 HARTWELL ST.

WEST BOYLESTON
MA
01583-
ph: (508) 835-8822 fax: (508) 835-8812

**Fax To:**

**Project Name:** WESTFIELD, MA
**Site:** SUNOCO DUNS #0374-5593
**Site Address:** 88-90 SOUTH MAPLE STREET
WESTFIELD MA
**PO Number:**
**State:** Massachusetts
**State Cert. No.:** M-LA013
**Date Reported:** 6/12/2009

| Client Sample ID | Lab Sample ID | Matrix | Date Collected | Date Received | COC ID | HOLD |
|---|---|---|---|---|---|---|
| SB-308 (3-6') | 09060059-25 | Soil | 5/27/2009 9:25:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-308 (6-10') | 09060059-26 | Soil | 5/27/2009 9:29:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-309 (0-3') | 09060059-27 | Soil | 5/26/2009 10:53:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-309 (3-6') | 09060059-28 | Soil | 5/26/2009 11:10:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-309 (6-10') | 09060059-29 | Soil | 5/27/2009 9:46:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-310 (0-3') | 09060059-30 | Soil | 5/26/2009 12:13:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-310 (3-6') | 09060059-31 | Soil | 5/26/2009 12:21:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-310 (6-10') | 09060059-32 | Soil | 5/27/2009 9:57:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-311 (0-3') | 09060059-33 | Soil | 5/26/2009 1:40:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-311 (3-6') | 09060059-34 | Soil | 5/26/2009 1:49:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-311 (6-10') | 09060059-35 | Soil | 5/27/2009 10:13:00 AM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-312 (0-1') | 09060059-36 | Soil | 5/27/2009 1:30:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-312 (0-3') | 09060059-37 | Soil | 5/27/2009 1:33:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-312 (3-6') | 09060059-38 | Soil | 5/27/2009 1:38:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-312 (6-10') | 09060059-39 | Soil | 5/27/2009 1:44:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-313 (0-1') | 09060059-40 | Soil | 5/27/2009 1:50:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-313 (0-3') | 09060059-41 | Soil | 5/27/2009 1:52:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-313 (3-6') | 09060059-42 | Soil | 5/27/2009 1:56:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-313 (6-10') | 09060059-43 | Soil | 5/27/2009 2:00:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-314 (0-1') | 09060059-44 | Soil | 5/27/2009 2:05:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-314 (0-3') | 09060059-45 | Soil | 5/27/2009 2:07:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-314 (3-6') | 09060059-46 | Soil | 5/27/2009 2:09:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-314 (6-10') | 09060059-47 | Soil | 5/27/2009 2:11:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-315 (0-1') | 09060059-48 | Soil | 5/27/2009 2:15:00 PM | 6/2/2009 10:00:00 AM | | ☐ |

Alberto E. Granados
Project Manager

6/12/2009
Date

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# SUNOCO, INC

## Certificate of Analysis Number:

## 09060059

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.
KIMBERLY DUPREY
127 HARTWELL ST.

WEST BOYLESTON
MA
01583-
ph: (508) 835-8822 fax: (508) 835-8812

**Fax To:**

**Project Name:** WESTFIELD, MA
**Site:** SUNOCO DUNS #0374-5593
**Site Address:** 88-90 SOUTH MAPLE STREET
WESTFIELD MA
**PO Number:**
**State:** Massachusetts
**State Cert. No.:** M-LA013
**Date Reported:** 6/12/2009

| Client Sample ID | Lab Sample ID | Matrix | Date Collected | Date Received | COC ID | HOLD |
|---|---|---|---|---|---|---|
| SB-315 (0-2') | 09060059-49 | Soil | 5/27/2009 2:18:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-315 (3') | 09060059-50 | Soil | 5/27/2009 2:35:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-315 (4-6') | 09060059-51 | Soil | 5/27/2009 2:24:00 PM | 6/2/2009 10:00:00 AM | | ☐ |
| SB-315 (6-10') | 09060059-52 | Soil | 5/27/2009 2:30:00 PM | 6/2/2009 10:00:00 AM | | ☐ |

Alberto E. Granados
Project Manager

6/12/2009
Date

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-301 (0-3') **Collected:** 05/27/2009 10:25 **SPL Sample ID:** 09060059-01

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 4.5 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114936 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.035 | 1 | 06/11/09 13:16 | LDD | 3125897 |
| Aroclor 1221 | ND < | | 0.035 | 1 | 06/11/09 13:16 | LDD | 3125897 |
| Aroclor 1232 | ND < | | 0.035 | 1 | 06/11/09 13:16 | LDD | 3125897 |
| Aroclor 1242 | ND < | | 0.035 | 1 | 06/11/09 13:16 | LDD | 3125897 |
| Aroclor 1248 | 0.058 | | 0.035 | 1 | 06/11/09 13:16 | LDD | 3125896 |
| Aroclor 1254 | ND < | | 0.035 | 1 | 06/11/09 13:16 | LDD | 3125897 |
| Aroclor 1260 | ND < | | 0.035 | 1 | 06/11/09 13:16 | LDD | 3125897 |
| Surr: Decachlorobiphenyl | 96.4 | | % 10-187 | 1 | 06/11/09 13:16 | LDD | 3125897 |
| Surr: Tetrachloro-m-xylene | 79.7 | | % 10-153 | 1 | 06/11/09 13:16 | LDD | 3125897 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-301 (3-6') **Collected:** 05/27/2009 10:32 **SPL Sample ID:** 09060059-02

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 7.9 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114937 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 06/11/09 13:40 | LDD | 3125899 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 06/11/09 13:40 | LDD | 3125899 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 06/11/09 13:40 | LDD | 3125899 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 06/11/09 13:40 | LDD | 3125899 |
| Aroclor 1248 | 0.06 | | 0.036 | 1 | 06/11/09 13:40 | LDD | 3125898 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 06/11/09 13:40 | LDD | 3125899 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 06/11/09 13:40 | LDD | 3125899 |
| Surr: Decachlorobiphenyl | 81.8 | % | 10-187 | 1 | 06/11/09 13:40 | LDD | 3125899 |
| Surr: Tetrachloro-m-xylene | 67.3 | % | 10-153 | 1 | 06/11/09 13:40 | LDD | 3125899 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-301 (6-10') **Collected:** 05/27/2009 10:39 **SPL Sample ID:** 09060059-03

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 3.3 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114938 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.034 | 1 | 06/03/09 23:09 | LDD | 3115681 |
| Aroclor 1221 | ND < | | 0.034 | 1 | 06/03/09 23:09 | LDD | 3115681 |
| Aroclor 1232 | ND < | | 0.034 | 1 | 06/03/09 23:09 | LDD | 3115681 |
| Aroclor 1242 | ND < | | 0.034 | 1 | 06/03/09 23:09 | LDD | 3115681 |
| Aroclor 1248 | ND < | | 0.034 | 1 | 06/03/09 23:09 | LDD | 3115681 |
| Aroclor 1254 | ND < | | 0.034 | 1 | 06/03/09 23:09 | LDD | 3115681 |
| Aroclor 1260 | ND < | | 0.034 | 1 | 06/03/09 23:09 | LDD | 3115681 |
| Surr: Decachlorobiphenyl | 72.7 | % | 10-187 | 1 | 06/03/09 23:09 | LDD | 3115681 |
| Surr: Tetrachloro-m-xylene | 107 | % | 10-153 | 1 | 06/03/09 23:09 | LDD | 3115681 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-302 (0-3') **Collected:** 05/27/2009 10:57 **SPL Sample ID:** 09060059-04

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.9 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114939 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.073 | 2 | 06/11/09 14:05 | LDD | 3125900 |
| Aroclor 1221 | ND < | | 0.073 | 2 | 06/11/09 14:05 | LDD | 3125900 |
| Aroclor 1232 | ND < | | 0.073 | 2 | 06/11/09 14:05 | LDD | 3125900 |
| Aroclor 1242 | ND < | | 0.073 | 2 | 06/11/09 14:05 | LDD | 3125900 |
| Aroclor 1248 | 0.77 | | 0.073 | 2 | 06/11/09 14:05 | LDD | 3125901 |
| Aroclor 1254 | 0.41 | | 0.073 | 2 | 06/11/09 14:05 | LDD | 3125900 |
| Aroclor 1260 | ND < | | 0.073 | 2 | 06/11/09 14:05 | LDD | 3125900 |
| Surr: Decachlorobiphenyl | 118 | | % 10-187 | 2 | 06/11/09 14:05 | LDD | 3125900 |
| Surr: Tetrachloro-m-xylene | 81.5 | | % 10-153 | 2 | 06/11/09 14:05 | LDD | 3125900 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-302 (3-6') **Collected:** 05/27/2009 11:06 **SPL Sample ID:** 09060059-05

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.8 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114940 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 06/03/09 23:53 | LDD | 3115683 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 06/03/09 23:53 | LDD | 3115683 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 06/03/09 23:53 | LDD | 3115683 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 06/03/09 23:53 | LDD | 3115683 |
| Aroclor 1248 | ND < | | 0.036 | 1 | 06/03/09 23:53 | LDD | 3115683 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 06/03/09 23:53 | LDD | 3115683 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 06/03/09 23:53 | LDD | 3115683 |
| Surr: Decachlorobiphenyl | 97.0 | % | 10-187 | 1 | 06/03/09 23:53 | LDD | 3115683 |
| Surr: Tetrachloro-m-xylene | 121 | % | 10-153 | 1 | 06/03/09 23:53 | LDD | 3115683 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-302 (6-10') **Collected:** 05/27/2009 11:13 **SPL Sample ID:** 09060059-06

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 29 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114941 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.046 | 1 | 06/04/09 0:16 | LDD | 3115684 |
| Aroclor 1221 | ND < | | 0.046 | 1 | 06/04/09 0:16 | LDD | 3115684 |
| Aroclor 1232 | ND < | | 0.046 | 1 | 06/04/09 0:16 | LDD | 3115684 |
| Aroclor 1242 | ND < | | 0.046 | 1 | 06/04/09 0:16 | LDD | 3115684 |
| Aroclor 1248 | ND < | | 0.046 | 1 | 06/04/09 0:16 | LDD | 3115684 |
| Aroclor 1254 | ND < | | 0.046 | 1 | 06/04/09 0:16 | LDD | 3115684 |
| Aroclor 1260 | ND < | | 0.046 | 1 | 06/04/09 0:16 | LDD | 3115684 |
| Surr: Decachlorobiphenyl | 92.4 | % | 10-187 | 1 | 06/04/09 0:16 | LDD | 3115684 |
| Surr: Tetrachloro-m-xylene | 110 | % | 10-153 | 1 | 06/04/09 0:16 | LDD | 3115684 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-303 (0-3') **Collected:** 05/27/2009 12:35 **SPL Sample ID:** 09060059-07

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.6 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114942 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.18 | 5 | 06/11/09 15:00 | LDD | 3125903 |
| Aroclor 1221 | ND < | | 0.18 | 5 | 06/11/09 15:00 | LDD | 3125903 |
| Aroclor 1232 | ND < | | 0.18 | 5 | 06/11/09 15:00 | LDD | 3125903 |
| Aroclor 1242 | ND < | | 0.18 | 5 | 06/11/09 15:00 | LDD | 3125903 |
| Aroclor 1248 | 1.2 | | 0.18 | 5 | 06/11/09 15:00 | LDD | 3125904 |
| Aroclor 1254 | 0.52 | | 0.18 | 5 | 06/11/09 15:00 | LDD | 3125903 |
| Aroclor 1260 | ND < | | 0.18 | 5 | 06/11/09 15:00 | LDD | 3125903 |
| Surr: Decachlorobiphenyl | 54.8 | % | 10-187 | 5 | 06/11/09 15:00 | LDD | 3125903 |
| Surr: Tetrachloro-m-xylene | 80.6 | % | 10-153 | 5 | 06/11/09 15:00 | LDD | 3125903 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-303 (3-6') **Collected:** 05/27/2009 12:41 **SPL Sample ID:** 09060059-08

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 3.2 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114943 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.034 | 1 | 06/11/09 10:15 | LDD | 3125889 |
| Aroclor 1221 | ND < | | 0.034 | 1 | 06/11/09 10:15 | LDD | 3125889 |
| Aroclor 1232 | ND < | | 0.034 | 1 | 06/11/09 10:15 | LDD | 3125889 |
| Aroclor 1242 | ND < | | 0.034 | 1 | 06/11/09 10:15 | LDD | 3125889 |
| Aroclor 1248 | ND < | | 0.034 | 1 | 06/11/09 10:15 | LDD | 3125889 |
| Aroclor 1254 | ND < | | 0.034 | 1 | 06/11/09 10:15 | LDD | 3125889 |
| Aroclor 1260 | ND < | | 0.034 | 1 | 06/11/09 10:15 | LDD | 3125889 |
| Surr: Decachlorobiphenyl | 92.4 | % | 10-187 | 1 | 06/11/09 10:15 | LDD | 3125889 |
| Surr: Tetrachloro-m-xylene | 21.8 | % | 10-153 | 1 | 06/11/09 10:15 | LDD | 3125889 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-303 (6-10') **Collected:** 05/27/2009 12:49 **SPL Sample ID:** 09060059-09

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 6.4 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114944 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.035 | 1 | 06/04/09 1:45 | LDD | 3115688 |
| Aroclor 1221 | ND < | | 0.035 | 1 | 06/04/09 1:45 | LDD | 3115688 |
| Aroclor 1232 | ND < | | 0.035 | 1 | 06/04/09 1:45 | LDD | 3115688 |
| Aroclor 1242 | ND < | | 0.035 | 1 | 06/04/09 1:45 | LDD | 3115688 |
| Aroclor 1248 | ND < | | 0.035 | 1 | 06/04/09 1:45 | LDD | 3115688 |
| Aroclor 1254 | ND < | | 0.035 | 1 | 06/04/09 1:45 | LDD | 3115688 |
| Aroclor 1260 | ND < | | 0.035 | 1 | 06/04/09 1:45 | LDD | 3115688 |
| Surr: Decachlorobiphenyl | 85.2 | % | 10-187 | 1 | 06/04/09 1:45 | LDD | 3115688 |
| Surr: Tetrachloro-m-xylene | 116 | % | 10-153 | 1 | 06/04/09 1:45 | LDD | 3115688 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-304 (0-3') **Collected:** 05/26/2009 9:16 **SPL Sample ID:** 09060059-10

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 6.8 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114945 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.18 | 5 | 06/05/09 17:47 | LDD | 3119962 |
| Aroclor 1221 | ND < | | 0.18 | 5 | 06/05/09 17:47 | LDD | 3119962 |
| Aroclor 1232 | ND < | | 0.18 | 5 | 06/05/09 17:47 | LDD | 3119962 |
| Aroclor 1242 | ND < | | 0.18 | 5 | 06/05/09 17:47 | LDD | 3119962 |
| Aroclor 1248 | ND < | | 0.18 | 5 | 06/05/09 17:47 | LDD | 3119962 |
| Aroclor 1254 | ND < | | 0.18 | 5 | 06/05/09 17:47 | LDD | 3119962 |
| Aroclor 1260 | 1 | | 0.18 | 5 | 06/05/09 17:47 | LDD | 3119962 |
| Surr: Decachlorobiphenyl | 107 | | % 10-187 | 5 | 06/05/09 17:47 | LDD | 3119962 |
| Surr: Tetrachloro-m-xylene | 134 | | % 10-153 | 5 | 06/05/09 17:47 | LDD | 3119962 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-304 (3-6') **Collected:** 05/26/2009 9:20 **SPL Sample ID:** 09060059-11

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.5 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114946 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 06/04/09 2:30 | LDD | 3115690 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 06/04/09 2:30 | LDD | 3115690 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 06/04/09 2:30 | LDD | 3115690 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 06/04/09 2:30 | LDD | 3115690 |
| Aroclor 1248 | ND < | | 0.036 | 1 | 06/04/09 2:30 | LDD | 3115690 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 06/04/09 2:30 | LDD | 3115690 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 06/04/09 2:30 | LDD | 3115690 |
| Surr: Decachlorobiphenyl | 99.1 | % | 10-187 | 1 | 06/04/09 2:30 | LDD | 3115690 |
| Surr: Tetrachloro-m-xylene | 124 | % | 10-153 | 1 | 06/04/09 2:30 | LDD | 3115690 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-304 (6-10') **Collected:** 05/27/2009 9:09 **SPL Sample ID:** 09060059-12

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 12 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114947 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 06/04/09 2:53 | LDD | 3115691 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 06/04/09 2:53 | LDD | 3115691 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 06/04/09 2:53 | LDD | 3115691 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 06/04/09 2:53 | LDD | 3115691 |
| Aroclor 1248 | ND < | | 0.038 | 1 | 06/04/09 2:53 | LDD | 3115691 |
| Aroclor 1254 | ND < | | 0.038 | 1 | 06/04/09 2:53 | LDD | 3115691 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 06/04/09 2:53 | LDD | 3115691 |
| Surr: Decachlorobiphenyl | 90.9 | % | 10-187 | 1 | 06/04/09 2:53 | LDD | 3115691 |
| Surr: Tetrachloro-m-xylene | 119 | % | 10-153 | 1 | 06/04/09 2:53 | LDD | 3115691 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-305 (0-1') **Collected:** 05/27/2009 13:01 **SPL Sample ID:** 09060059-13

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.9 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114948 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.18 | 5 | 06/11/09 15:25 | LDD | 3125905 |
| Aroclor 1221 | ND < | | 0.18 | 5 | 06/11/09 15:25 | LDD | 3125905 |
| Aroclor 1232 | ND < | | 0.18 | 5 | 06/11/09 15:25 | LDD | 3125905 |
| Aroclor 1242 | ND < | | 0.18 | 5 | 06/11/09 15:25 | LDD | 3125905 |
| Aroclor 1248 | 1.6 | | 0.18 | 5 | 06/11/09 15:25 | LDD | 3125906 |
| Aroclor 1254 | 0.65 | | 0.18 | 5 | 06/11/09 15:25 | LDD | 3125905 |
| Aroclor 1260 | ND < | | 0.18 | 5 | 06/11/09 15:25 | LDD | 3125905 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 5 | 06/11/09 15:25 | LDD | 3125905 |
| Surr: Tetrachloro-m-xylene | 102 | | % 10-153 | 5 | 06/11/09 15:25 | LDD | 3125905 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-305 (0-3') **Collected:** 05/27/2009 13:04 **SPL Sample ID:** 09060059-14

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 4 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114949 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.34 | 10 | 06/11/09 15:49 | LDD | 3125907 |
| Aroclor 1221 | ND < | | 0.34 | 10 | 06/11/09 15:49 | LDD | 3125907 |
| Aroclor 1232 | ND < | | 0.34 | 10 | 06/11/09 15:49 | LDD | 3125907 |
| Aroclor 1242 | ND < | | 0.34 | 10 | 06/11/09 15:49 | LDD | 3125907 |
| Aroclor 1248 | 2.1 | | 0.34 | 10 | 06/11/09 15:49 | LDD | 3125908 |
| Aroclor 1254 | 0.68 | | 0.34 | 10 | 06/11/09 15:49 | LDD | 3125907 |
| Aroclor 1260 | ND < | | 0.34 | 10 | 06/11/09 15:49 | LDD | 3125907 |
| Surr: Decachlorobiphenyl | 48.5 | % | 10-187 | 10 | 06/11/09 15:49 | LDD | 3125907 |
| Surr: Tetrachloro-m-xylene | 85.2 | % | 10-153 | 10 | 06/11/09 15:49 | LDD | 3125907 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-305 (3-6') **Collected:** 05/27/2009 13:08 **SPL Sample ID:** 09060059-15

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 10 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114950 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/04/09 4:00 | LDD | 3115694 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/04/09 4:00 | LDD | 3115694 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/04/09 4:00 | LDD | 3115694 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/04/09 4:00 | LDD | 3115694 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/04/09 4:00 | LDD | 3115694 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/04/09 4:00 | LDD | 3115694 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/04/09 4:00 | LDD | 3115694 |
| Surr: Decachlorobiphenyl | 100 | % | 10-187 | 1 | 06/04/09 4:00 | LDD | 3115694 |
| Surr: Tetrachloro-m-xylene | 124 | % | 10-153 | 1 | 06/04/09 4:00 | LDD | 3115694 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-305 (6-10') **Collected:** 05/27/2009 13:10 **SPL Sample ID:** 09060059-16

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 12 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3114951 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 06/04/09 4:23 | LDD | 3115695 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 06/04/09 4:23 | LDD | 3115695 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 06/04/09 4:23 | LDD | 3115695 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 06/04/09 4:23 | LDD | 3115695 |
| Aroclor 1248 | ND < | | 0.038 | 1 | 06/04/09 4:23 | LDD | 3115695 |
| Aroclor 1254 | ND < | | 0.038 | 1 | 06/04/09 4:23 | LDD | 3115695 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 06/04/09 4:23 | LDD | 3115695 |
| Surr: Decachlorobiphenyl | 95.8 | % | 10-187 | 1 | 06/04/09 4:23 | LDD | 3115695 |
| Surr: Tetrachloro-m-xylene | 116 | % | 10-153 | 1 | 06/04/09 4:23 | LDD | 3115695 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-306 (0-1') **Collected:** 05/27/2009 13:15 **SPL Sample ID:** 09060059-17

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 14 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115428 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 06/11/09 10:40 | LDD | 3125892 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 06/11/09 10:40 | LDD | 3125892 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 06/11/09 10:40 | LDD | 3125892 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 06/11/09 10:40 | LDD | 3125892 |
| Aroclor 1248 | 0.26 | | 0.038 | 1 | 06/11/09 10:40 | LDD | 3125891 |
| Aroclor 1254 | 0.11 | | 0.038 | 1 | 06/11/09 10:40 | LDD | 3125892 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 06/11/09 10:40 | LDD | 3125892 |
| Surr: Decachlorobiphenyl | 91.5 | % | 10-187 | 1 | 06/11/09 10:40 | LDD | 3125892 |
| Surr: Tetrachloro-m-xylene | 86.4 | % | 10-153 | 1 | 06/11/09 10:40 | LDD | 3125892 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-306 (0-3') **Collected:** 05/27/2009 13:17 **SPL Sample ID:** 09060059-18

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 12 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115429 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 06/11/09 11:04 | LDD | 3125894 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 06/11/09 11:04 | LDD | 3125894 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 06/11/09 11:04 | LDD | 3125894 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 06/11/09 11:04 | LDD | 3125894 |
| Aroclor 1248 | 0.055 | | 0.038 | 1 | 06/11/09 11:04 | LDD | 3125924 |
| Aroclor 1254 | ND < | | 0.038 | 1 | 06/11/09 11:04 | LDD | 3125894 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 06/11/09 11:04 | LDD | 3125894 |
| Surr: Decachlorobiphenyl | 93.6 | % | 10-187 | 1 | 06/11/09 11:04 | LDD | 3125894 |
| Surr: Tetrachloro-m-xylene | 81.5 | % | 10-153 | 1 | 06/11/09 11:04 | LDD | 3125894 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/02/2009 11:47 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-306 (3-6') **Collected:** 05/27/2009 13:19 **SPL Sample ID:** 09060059-19

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115430 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/11/09 11:29 | LDD | 3125746 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/11/09 11:29 | LDD | 3125746 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/11/09 11:29 | LDD | 3125746 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/11/09 11:29 | LDD | 3125746 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/11/09 11:29 | LDD | 3125746 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/11/09 11:29 | LDD | 3125746 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/11/09 11:29 | LDD | 3125746 |
| Surr: Decachlorobiphenyl | 74.2 | % | 10-187 | 1 | 06/11/09 11:29 | LDD | 3125746 |
| Surr: Tetrachloro-m-xylene | 17.9 | % | 10-153 | 1 | 06/11/09 11:29 | LDD | 3125746 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-306 (6-10') **Collected:** 05/27/2009 13:21 **SPL Sample ID:** 09060059-20

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 3.4 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115431 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.034 | 1 | 06/04/09 17:47 | LDD | 3124963 |
| Aroclor 1221 | ND < | | 0.034 | 1 | 06/04/09 17:47 | LDD | 3124963 |
| Aroclor 1232 | ND < | | 0.034 | 1 | 06/04/09 17:47 | LDD | 3124963 |
| Aroclor 1242 | ND < | | 0.034 | 1 | 06/04/09 17:47 | LDD | 3124963 |
| Aroclor 1248 | ND < | | 0.034 | 1 | 06/04/09 17:47 | LDD | 3124963 |
| Aroclor 1254 | ND < | | 0.034 | 1 | 06/04/09 17:47 | LDD | 3124963 |
| Aroclor 1260 | ND < | | 0.034 | 1 | 06/04/09 17:47 | LDD | 3124963 |
| Surr: Decachlorobiphenyl | 57.0 | % | 10-187 | 1 | 06/04/09 17:47 | LDD | 3124963 |
| Surr: Tetrachloro-m-xylene | 102 | % | 10-153 | 1 | 06/04/09 17:47 | LDD | 3124963 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-307 (0-3') **Collected:** 05/27/2009 10:50 **SPL Sample ID:** 09060059-21

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.2 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115432 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.18 | 5 | 06/11/09 11:53 | LDD | 3125749 |
| Aroclor 1221 | ND < | | 0.18 | 5 | 06/11/09 11:53 | LDD | 3125749 |
| Aroclor 1232 | ND < | | 0.18 | 5 | 06/11/09 11:53 | LDD | 3125749 |
| Aroclor 1242 | ND < | | 0.18 | 5 | 06/11/09 11:53 | LDD | 3125749 |
| Aroclor 1248 | 1.2 | | 0.18 | 5 | 06/11/09 11:53 | LDD | 3125748 |
| Aroclor 1254 | 0.52 | | 0.18 | 5 | 06/11/09 11:53 | LDD | 3125749 |
| Aroclor 1260 | ND < | | 0.18 | 5 | 06/11/09 11:53 | LDD | 3125749 |
| Surr: Decachlorobiphenyl | 60.9 | % | 10-187 | 5 | 06/11/09 11:53 | LDD | 3125749 |
| Surr: Tetrachloro-m-xylene | 59.7 | % | 10-153 | 5 | 06/11/09 11:53 | LDD | 3125749 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-307 (3-6') **Collected:** 05/27/2009 11:50 **SPL Sample ID:** 09060059-22

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 6.4 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115433 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.035 | 1 | 06/04/09 18:32 | LDD | 3124965 |
| Aroclor 1221 | ND < | | 0.035 | 1 | 06/04/09 18:32 | LDD | 3124965 |
| Aroclor 1232 | ND < | | 0.035 | 1 | 06/04/09 18:32 | LDD | 3124965 |
| Aroclor 1242 | ND < | | 0.035 | 1 | 06/04/09 18:32 | LDD | 3124965 |
| Aroclor 1248 | 0.096 | | 0.035 | 1 | 06/04/09 18:32 | LDD | 3124967 |
| Aroclor 1254 | 0.053 | | 0.035 | 1 | 06/04/09 18:32 | LDD | 3124965 |
| Aroclor 1260 | ND < | | 0.035 | 1 | 06/04/09 18:32 | LDD | 3124965 |
| Surr: Decachlorobiphenyl | 90.9 | % | 10-187 | 1 | 06/04/09 18:32 | LDD | 3124965 |
| Surr: Tetrachloro-m-xylene | 88.8 | % | 10-153 | 1 | 06/04/09 18:32 | LDD | 3124965 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-307 (6-10') **Collected:** 05/27/2009 11:55 **SPL Sample ID:** 09060059-23

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.2 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115434 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 06/04/09 18:54 | LDD | 3124968 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 06/04/09 18:54 | LDD | 3124968 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 06/04/09 18:54 | LDD | 3124968 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 06/04/09 18:54 | LDD | 3124968 |
| Aroclor 1248 | ND < | | 0.036 | 1 | 06/04/09 18:54 | LDD | 3124968 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 06/04/09 18:54 | LDD | 3124968 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 06/04/09 18:54 | LDD | 3124968 |
| Surr: Decachlorobiphenyl | 64.5 | % | 10-187 | 1 | 06/04/09 18:54 | LDD | 3124968 |
| Surr: Tetrachloro-m-xylene | 94.5 | % | 10-153 | 1 | 06/04/09 18:54 | LDD | 3124968 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-308 (0-3') **Collected:** 05/26/2009 9:47 **SPL Sample ID:** 09060059-24

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 5.3 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115435 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.035 | 1 | 06/04/09 19:17 | LDD | 3124970 |
| Aroclor 1221 | ND < | | 0.035 | 1 | 06/04/09 19:17 | LDD | 3124970 |
| Aroclor 1232 | ND < | | 0.035 | 1 | 06/04/09 19:17 | LDD | 3124970 |
| Aroclor 1242 | ND < | | 0.035 | 1 | 06/04/09 19:17 | LDD | 3124970 |
| Aroclor 1248 | ND < | | 0.035 | 1 | 06/04/09 19:17 | LDD | 3124970 |
| Aroclor 1254 | ND < | | 0.035 | 1 | 06/04/09 19:17 | LDD | 3124970 |
| Aroclor 1260 | 0.22 | | 0.035 | 1 | 06/04/09 19:17 | LDD | 3124970 |
| Surr: Decachlorobiphenyl | 75.2 | % | 10-187 | 1 | 06/04/09 19:17 | LDD | 3124970 |
| Surr: Tetrachloro-m-xylene | 96.1 | % | 10-153 | 1 | 06/04/09 19:17 | LDD | 3124970 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-308 (3-6') **Collected:** 05/27/2009 9:25 **SPL Sample ID:** 09060059-25

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115436 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/04/09 19:39 | LDD | 3124972 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/04/09 19:39 | LDD | 3124972 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/04/09 19:39 | LDD | 3124972 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/04/09 19:39 | LDD | 3124972 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/04/09 19:39 | LDD | 3124972 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/04/09 19:39 | LDD | 3124972 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/04/09 19:39 | LDD | 3124972 |
| Surr: Decachlorobiphenyl | 81.2 | % | 10-187 | 1 | 06/04/09 19:39 | LDD | 3124972 |
| Surr: Tetrachloro-m-xylene | 101 | % | 10-153 | 1 | 06/04/09 19:39 | LDD | 3124972 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-308 (6-10') **Collected:** 05/27/2009 9:29 **SPL Sample ID:** 09060059-26

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 3.2 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115437 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.034 | 1 | 06/04/09 20:24 | LDD | 3124973 |
| Aroclor 1221 | ND < | | 0.034 | 1 | 06/04/09 20:24 | LDD | 3124973 |
| Aroclor 1232 | ND < | | 0.034 | 1 | 06/04/09 20:24 | LDD | 3124973 |
| Aroclor 1242 | ND < | | 0.034 | 1 | 06/04/09 20:24 | LDD | 3124973 |
| Aroclor 1248 | ND < | | 0.034 | 1 | 06/04/09 20:24 | LDD | 3124973 |
| Aroclor 1254 | ND < | | 0.034 | 1 | 06/04/09 20:24 | LDD | 3124973 |
| Aroclor 1260 | ND < | | 0.034 | 1 | 06/04/09 20:24 | LDD | 3124973 |
| Surr: Decachlorobiphenyl | 92.4 | % | 10-187 | 1 | 06/04/09 20:24 | LDD | 3124973 |
| Surr: Tetrachloro-m-xylene | 127 | % | 10-153 | 1 | 06/04/09 20:24 | LDD | 3124973 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-309 (0-3') **Collected:** 05/26/2009 10:53 **SPL Sample ID:** 09060059-27

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115438 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.072 | 2 | 06/11/09 12:18 | LDD | 3125751 |
| Aroclor 1221 | ND < | | 0.072 | 2 | 06/11/09 12:18 | LDD | 3125751 |
| Aroclor 1232 | ND < | | 0.072 | 2 | 06/11/09 12:18 | LDD | 3125751 |
| Aroclor 1242 | ND < | | 0.072 | 2 | 06/11/09 12:18 | LDD | 3125751 |
| Aroclor 1248 | 0.64 | | 0.072 | 2 | 06/11/09 12:18 | LDD | 3125750 |
| Aroclor 1254 | 0.36 | | 0.072 | 2 | 06/11/09 12:18 | LDD | 3125751 |
| Aroclor 1260 | ND < | | 0.072 | 2 | 06/11/09 12:18 | LDD | 3125751 |
| Surr: Decachlorobiphenyl | 97.6 | % | 10-187 | 2 | 06/11/09 12:18 | LDD | 3125751 |
| Surr: Tetrachloro-m-xylene | 80.3 | % | 10-153 | 2 | 06/11/09 12:18 | LDD | 3125751 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-309 (3-6') **Collected:** 05/26/2009 11:10 **SPL Sample ID:** 09060059-28

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 12 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115439 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.038 | 1 | 06/04/09 21:08 | LDD | 3124975 |
| Aroclor 1221 | ND < | | 0.038 | 1 | 06/04/09 21:08 | LDD | 3124975 |
| Aroclor 1232 | ND < | | 0.038 | 1 | 06/04/09 21:08 | LDD | 3124975 |
| Aroclor 1242 | ND < | | 0.038 | 1 | 06/04/09 21:08 | LDD | 3124975 |
| Aroclor 1248 | 0.24 | | 0.038 | 1 | 06/04/09 21:08 | LDD | 3124976 |
| Aroclor 1254 | 0.098 | | 0.038 | 1 | 06/04/09 21:08 | LDD | 3124975 |
| Aroclor 1260 | ND < | | 0.038 | 1 | 06/04/09 21:08 | LDD | 3124975 |
| Surr: Decachlorobiphenyl | 71.5 | % | 10-187 | 1 | 06/04/09 21:08 | LDD | 3124975 |
| Surr: Tetrachloro-m-xylene | 108 | % | 10-153 | 1 | 06/04/09 21:08 | LDD | 3124975 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-309 (6-10') **Collected:** 05/27/2009 9:46 **SPL Sample ID:** 09060059-29

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115440 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/04/09 21:31 | LDD | 3124977 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/04/09 21:31 | LDD | 3124977 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/04/09 21:31 | LDD | 3124977 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/04/09 21:31 | LDD | 3124977 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/04/09 21:31 | LDD | 3124977 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/04/09 21:31 | LDD | 3124977 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/04/09 21:31 | LDD | 3124977 |
| Surr: Decachlorobiphenyl | 63.9 | % | 10-187 | 1 | 06/04/09 21:31 | LDD | 3124977 |
| Surr: Tetrachloro-m-xylene | 99.1 | % | 10-153 | 1 | 06/04/09 21:31 | LDD | 3124977 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-310 (0-3') **Collected:** 05/26/2009 12:13 **SPL Sample ID:** 09060059-30

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 5 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115441 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.069 | 2 | 06/11/09 12:42 | LDD | 3125753 |
| Aroclor 1221 | ND < | | 0.069 | 2 | 06/11/09 12:42 | LDD | 3125753 |
| Aroclor 1232 | ND < | | 0.069 | 2 | 06/11/09 12:42 | LDD | 3125753 |
| Aroclor 1242 | ND < | | 0.069 | 2 | 06/11/09 12:42 | LDD | 3125753 |
| Aroclor 1248 | 0.77 | | 0.069 | 2 | 06/11/09 12:42 | LDD | 3125752 |
| Aroclor 1254 | 0.27 | | 0.069 | 2 | 06/11/09 12:42 | LDD | 3125753 |
| Aroclor 1260 | ND < | | 0.069 | 2 | 06/11/09 12:42 | LDD | 3125753 |
| Surr: Decachlorobiphenyl | 88.8 | | % 10-187 | 2 | 06/11/09 12:42 | LDD | 3125753 |
| Surr: Tetrachloro-m-xylene | 67.0 | | % 10-153 | 2 | 06/11/09 12:42 | LDD | 3125753 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-310 (3-6') **Collected:** 05/26/2009 12:21 **SPL Sample ID:** 09060059-31

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 4.9 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115442 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.035 | 1 | 06/04/09 22:16 | LDD | 3124979 |
| Aroclor 1221 | ND < | | 0.035 | 1 | 06/04/09 22:16 | LDD | 3124979 |
| Aroclor 1232 | ND < | | 0.035 | 1 | 06/04/09 22:16 | LDD | 3124979 |
| Aroclor 1242 | ND < | | 0.035 | 1 | 06/04/09 22:16 | LDD | 3124979 |
| Aroclor 1248 | ND < | | 0.035 | 1 | 06/04/09 22:16 | LDD | 3124979 |
| Aroclor 1254 | ND < | | 0.035 | 1 | 06/04/09 22:16 | LDD | 3124979 |
| Aroclor 1260 | ND < | | 0.035 | 1 | 06/04/09 22:16 | LDD | 3124979 |
| Surr: Decachlorobiphenyl | 88.8 | % | 10-187 | 1 | 06/04/09 22:16 | LDD | 3124979 |
| Surr: Tetrachloro-m-xylene | 117 | % | 10-153 | 1 | 06/04/09 22:16 | LDD | 3124979 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-310 (6-10') **Collected:** 05/27/2009 9:57 **SPL Sample ID:** 09060059-32

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 5.5 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115443 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.1 | 3 | 06/05/09 19:39 | LDD | 3125045 |
| Aroclor 1221 | ND < | | 0.1 | 3 | 06/05/09 19:39 | LDD | 3125045 |
| Aroclor 1232 | ND < | | 0.1 | 3 | 06/05/09 19:39 | LDD | 3125045 |
| Aroclor 1242 | ND < | | 0.1 | 3 | 06/05/09 19:39 | LDD | 3125045 |
| Aroclor 1248 | 1.2 | | 0.1 | 3 | 06/05/09 19:39 | LDD | 3125047 |
| Aroclor 1254 | 0.58 | | 0.1 | 3 | 06/05/09 19:39 | LDD | 3125045 |
| Aroclor 1260 | ND < | | 0.1 | 3 | 06/05/09 19:39 | LDD | 3125045 |
| Surr: Decachlorobiphenyl | 104 | % | 10-187 | 3 | 06/05/09 19:39 | LDD | 3125045 |
| Surr: Tetrachloro-m-xylene | 118 | % | 10-153 | 3 | 06/05/09 19:39 | LDD | 3125045 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-311 (0-3') **Collected:** 05/26/2009 13:40 **SPL Sample ID:** 09060059-33

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 6.6 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115444 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 3.5 | 100 | 06/05/09 20:02 | LDD | 3125060 |
| Aroclor 1221 | ND < | | 3.5 | 100 | 06/05/09 20:02 | LDD | 3125060 |
| Aroclor 1232 | ND < | | 3.5 | 100 | 06/05/09 20:02 | LDD | 3125060 |
| Aroclor 1242 | ND < | | 3.5 | 100 | 06/05/09 20:02 | LDD | 3125060 |
| Aroclor 1248 | 32 | | 3.5 | 100 | 06/05/09 20:02 | LDD | 3125061 |
| Aroclor 1254 | 13 | | 3.5 | 100 | 06/05/09 20:02 | LDD | 3125060 |
| Aroclor 1260 | ND < | | 3.5 | 100 | 06/05/09 20:02 | LDD | 3125060 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 100 | 06/05/09 20:02 | LDD | 3125060 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 100 | 06/05/09 20:02 | LDD | 3125060 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-311 (3-6') **Collected:** 05/26/2009 13:49 **SPL Sample ID:** 09060059-34

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 5.8 | | 0.1 | 1 | 06/04/09 0:00 | J_L | 3115445 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 1.8 | 50 | 06/05/09 20:24 | LDD | 3125062 |
| Aroclor 1221 | ND < | | 1.8 | 50 | 06/05/09 20:24 | LDD | 3125062 |
| Aroclor 1232 | ND < | | 1.8 | 50 | 06/05/09 20:24 | LDD | 3125062 |
| Aroclor 1242 | ND < | | 1.8 | 50 | 06/05/09 20:24 | LDD | 3125062 |
| Aroclor 1248 | 21 | | 1.8 | 50 | 06/05/09 20:24 | LDD | 3125063 |
| Aroclor 1254 | 7.4 | | 1.8 | 50 | 06/05/09 20:24 | LDD | 3125062 |
| Aroclor 1260 | ND < | | 1.8 | 50 | 06/05/09 20:24 | LDD | 3125062 |
| Surr: Decachlorobiphenyl | D | * | % 10-187 | 50 | 06/05/09 20:24 | LDD | 3125062 |
| Surr: Tetrachloro-m-xylene | D | * | % 10-153 | 50 | 06/05/09 20:24 | LDD | 3125062 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-311 (6-10') **Collected:** 05/27/2009 10:13 **SPL Sample ID:** 09060059-35

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116191 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/04/09 23:46 | LDD | 3125002 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/04/09 23:46 | LDD | 3125002 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/04/09 23:46 | LDD | 3125002 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/04/09 23:46 | LDD | 3125002 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/04/09 23:46 | LDD | 3125002 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/04/09 23:46 | LDD | 3125002 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/04/09 23:46 | LDD | 3125002 |
| Surr: Decachlorobiphenyl | 73.3 | % | 10-187 | 1 | 06/04/09 23:46 | LDD | 3125002 |
| Surr: Tetrachloro-m-xylene | 101 | % | 10-153 | 1 | 06/04/09 23:46 | LDD | 3125002 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-312 (0-1') **Collected:** 05/27/2009 13:30 **SPL Sample ID:** 09060059-36

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.8 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116192 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.18 | 5 | 06/05/09 20:47 | LDD | 3125021 |
| Aroclor 1221 | ND < | | 0.18 | 5 | 06/05/09 20:47 | LDD | 3125021 |
| Aroclor 1232 | ND < | | 0.18 | 5 | 06/05/09 20:47 | LDD | 3125021 |
| Aroclor 1242 | ND < | | 0.18 | 5 | 06/05/09 20:47 | LDD | 3125021 |
| Aroclor 1248 | 2.6 | | 0.18 | 5 | 06/05/09 20:47 | LDD | 3125023 |
| Aroclor 1254 | 0.96 | | 0.18 | 5 | 06/05/09 20:47 | LDD | 3125021 |
| Aroclor 1260 | ND < | | 0.18 | 5 | 06/05/09 20:47 | LDD | 3125021 |
| Surr: Decachlorobiphenyl | 105 | % | 10-187 | 5 | 06/05/09 20:47 | LDD | 3125021 |
| Surr: Tetrachloro-m-xylene | 112 | % | 10-153 | 5 | 06/05/09 20:47 | LDD | 3125021 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-312 (0-3') **Collected:** 05/27/2009 13:33 **SPL Sample ID:** 09060059-37

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 10 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116193 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/05/09 21:31 | LDD | 3125003 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/05/09 21:31 | LDD | 3125003 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/05/09 21:31 | LDD | 3125003 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/05/09 21:31 | LDD | 3125003 |
| Aroclor 1248 | 0.089 | | 0.037 | 1 | 06/05/09 21:31 | LDD | 3125004 |
| Aroclor 1254 | 0.057 | | 0.037 | 1 | 06/05/09 21:31 | LDD | 3125003 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/05/09 21:31 | LDD | 3125003 |
| Surr: Decachlorobiphenyl | 89.1 | % | 10-187 | 1 | 06/05/09 21:31 | LDD | 3125003 |
| Surr: Tetrachloro-m-xylene | 107 | % | 10-153 | 1 | 06/05/09 21:31 | LDD | 3125003 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-312 (3-6') **Collected:** 05/27/2009 13:38 **SPL Sample ID:** 09060059-38

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116194 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/05/09 21:54 | LDD | 3125005 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/05/09 21:54 | LDD | 3125005 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/05/09 21:54 | LDD | 3125005 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/05/09 21:54 | LDD | 3125005 |
| Aroclor 1248 | 0.08 | | 0.037 | 1 | 06/05/09 21:54 | LDD | 3125020 |
| Aroclor 1254 | 0.042 | | 0.037 | 1 | 06/05/09 21:54 | LDD | 3125005 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/05/09 21:54 | LDD | 3125005 |
| Surr: Decachlorobiphenyl | 84.8 | % | 10-187 | 1 | 06/05/09 21:54 | LDD | 3125005 |
| Surr: Tetrachloro-m-xylene | 106 | % | 10-153 | 1 | 06/05/09 21:54 | LDD | 3125005 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 8:31 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-312 (6-10') **Collected:** 05/27/2009 13:44 **SPL Sample ID:** 09060059-39

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116195 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/08/09 14:19 | RAH | 3123115 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/08/09 14:19 | RAH | 3123115 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/08/09 14:19 | RAH | 3123115 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/08/09 14:19 | RAH | 3123115 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/08/09 14:19 | RAH | 3123115 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/08/09 14:19 | RAH | 3123115 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/08/09 14:19 | RAH | 3123115 |
| Surr: Decachlorobiphenyl | 148 | | % 10-187 | 1 | 06/08/09 14:19 | RAH | 3123115 |
| Surr: Tetrachloro-m-xylene | 124 | | % 10-153 | 1 | 06/08/09 14:19 | RAH | 3123115 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-313 (0-1') **Collected:** 05/27/2009 13:50 **SPL Sample ID:** 09060059-40

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 10 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116196 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 3.7 | 100 | 06/08/09 14:43 | RAH | 3123116 |
| Aroclor 1221 | ND < | | 3.7 | 100 | 06/08/09 14:43 | RAH | 3123116 |
| Aroclor 1232 | ND < | | 3.7 | 100 | 06/08/09 14:43 | RAH | 3123116 |
| Aroclor 1242 | ND < | | 3.7 | 100 | 06/08/09 14:43 | RAH | 3123116 |
| Aroclor 1248 | 200 | | 18 | 500 | 06/09/09 19:17 | RAH | 3123134 |
| Aroclor 1254 | 48 | | 3.7 | 100 | 06/08/09 14:43 | RAH | 3123116 |
| Aroclor 1260 | ND < | | 3.7 | 100 | 06/08/09 14:43 | RAH | 3123116 |
| Surr: Decachlorobiphenyl | D | % | 10-187 | 100 | 06/08/09 14:43 | RAH | 3123116 |
| Surr: Tetrachloro-m-xylene | D | % | 10-153 | 100 | 06/08/09 14:43 | RAH | 3123116 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-313 (0-3') **Collected:** 05/27/2009 13:52 **SPL Sample ID:** 09060059-41

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.4 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116197 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.072 | 2 | 06/08/09 15:32 | RAH | 3123220 |
| Aroclor 1221 | ND < | | 0.072 | 2 | 06/08/09 15:32 | RAH | 3123220 |
| Aroclor 1232 | ND < | | 0.072 | 2 | 06/08/09 15:32 | RAH | 3123220 |
| Aroclor 1242 | ND < | | 0.072 | 2 | 06/08/09 15:32 | RAH | 3123220 |
| Aroclor 1248 | 1.9 | | 0.18 | 5 | 06/09/09 19:42 | RAH | 3123135 |
| Aroclor 1254 | 0.61 | | 0.072 | 2 | 06/08/09 15:32 | RAH | 3123220 |
| Aroclor 1260 | ND < | | 0.072 | 2 | 06/08/09 15:32 | RAH | 3123220 |
| Surr: Decachlorobiphenyl | 110 | % | 10-187 | 2 | 06/08/09 15:32 | RAH | 3123220 |
| Surr: Tetrachloro-m-xylene | 84.5 | % | 10-153 | 2 | 06/08/09 15:32 | RAH | 3123220 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-313 (3-6') **Collected:** 05/27/2009 13:56 **SPL Sample ID:** 09060059-42

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116198 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/08/09 15:57 | RAH | 3123117 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/08/09 15:57 | RAH | 3123117 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/08/09 15:57 | RAH | 3123117 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/08/09 15:57 | RAH | 3123117 |
| Aroclor 1248 | 0.14 | | 0.037 | 1 | 06/08/09 15:57 | RAH | 3123117 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/08/09 15:57 | RAH | 3123117 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/08/09 15:57 | RAH | 3123117 |
| Surr: Decachlorobiphenyl | 155 | | % 10-187 | 1 | 06/08/09 15:57 | RAH | 3123117 |
| Surr: Tetrachloro-m-xylene | 110 | | % 10-153 | 1 | 06/08/09 15:57 | RAH | 3123117 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-313 (6-10') **Collected:** 05/27/2009 14:00 **SPL Sample ID:** 09060059-43

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116199 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/08/09 16:45 | RAH | 3123119 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/08/09 16:45 | RAH | 3123119 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/08/09 16:45 | RAH | 3123119 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/08/09 16:45 | RAH | 3123119 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/08/09 16:45 | RAH | 3123119 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/08/09 16:45 | RAH | 3123119 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/08/09 16:45 | RAH | 3123119 |
| Surr: Decachlorobiphenyl | 141 | | % 10-187 | 1 | 06/08/09 16:45 | RAH | 3123119 |
| Surr: Tetrachloro-m-xylene | 138 | | % 10-153 | 1 | 06/08/09 16:45 | RAH | 3123119 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-314 (0-1') **Collected:** 05/27/2009 14:05 **SPL Sample ID:** 09060059-44

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 10 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116200 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.11 | 3 | 06/08/09 17:10 | RAH | 3123120 |
| Aroclor 1221 | ND < | | 0.11 | 3 | 06/08/09 17:10 | RAH | 3123120 |
| Aroclor 1232 | ND < | | 0.11 | 3 | 06/08/09 17:10 | RAH | 3123120 |
| Aroclor 1242 | ND < | | 0.11 | 3 | 06/08/09 17:10 | RAH | 3123120 |
| Aroclor 1248 | 1.3 | | 0.18 | 5 | 06/09/09 20:07 | RAH | 3123136 |
| Aroclor 1254 | 1.2 | | 0.11 | 3 | 06/08/09 17:10 | RAH | 3123120 |
| Aroclor 1260 | ND < | | 0.11 | 3 | 06/08/09 17:10 | RAH | 3123120 |
| Surr: Decachlorobiphenyl | 156 | % | 10-187 | 3 | 06/08/09 17:10 | RAH | 3123120 |
| Surr: Tetrachloro-m-xylene | 112 | % | 10-153 | 3 | 06/08/09 17:10 | RAH | 3123120 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-314 (0-3') **Collected:** 05/27/2009 14:07 **SPL Sample ID:** 09060059-45

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 10 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116201 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/08/09 17:34 | RAH | 3123121 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/08/09 17:34 | RAH | 3123121 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/08/09 17:34 | RAH | 3123121 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/08/09 17:34 | RAH | 3123121 |
| Aroclor 1248 | 0.3 | | 0.073 | 2 | 06/09/09 20:32 | RAH | 3123137 |
| Aroclor 1254 | 0.37 | | 0.037 | 1 | 06/08/09 17:34 | RAH | 3123121 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/08/09 17:34 | RAH | 3123121 |
| Surr: Decachlorobiphenyl | 142 | % | 10-187 | 1 | 06/08/09 17:34 | RAH | 3123121 |
| Surr: Tetrachloro-m-xylene | 138 | % | 10-153 | 1 | 06/08/09 17:34 | RAH | 3123121 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-314 (3-6') **Collected:** 05/27/2009 14:09 **SPL Sample ID:** 09060059-46

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116202 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/08/09 17:59 | RAH | 3123122 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/08/09 17:59 | RAH | 3123122 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/08/09 17:59 | RAH | 3123122 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/08/09 17:59 | RAH | 3123122 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/08/09 17:59 | RAH | 3123122 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/08/09 17:59 | RAH | 3123122 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/08/09 17:59 | RAH | 3123122 |
| Surr: Decachlorobiphenyl | 156 | % | 10-187 | 1 | 06/08/09 17:59 | RAH | 3123122 |
| Surr: Tetrachloro-m-xylene | 123 | % | 10-153 | 1 | 06/08/09 17:59 | RAH | 3123122 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

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B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-314 (6-10') **Collected:** 05/27/2009 14:11 **SPL Sample ID:** 09060059-47

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116203 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.036 | 1 | 06/08/09 18:23 | RAH | 3123123 |
| Aroclor 1221 | ND < | | 0.036 | 1 | 06/08/09 18:23 | RAH | 3123123 |
| Aroclor 1232 | ND < | | 0.036 | 1 | 06/08/09 18:23 | RAH | 3123123 |
| Aroclor 1242 | ND < | | 0.036 | 1 | 06/08/09 18:23 | RAH | 3123123 |
| Aroclor 1248 | ND < | | 0.036 | 1 | 06/08/09 18:23 | RAH | 3123123 |
| Aroclor 1254 | ND < | | 0.036 | 1 | 06/08/09 18:23 | RAH | 3123123 |
| Aroclor 1260 | ND < | | 0.036 | 1 | 06/08/09 18:23 | RAH | 3123123 |
| Surr: Decachlorobiphenyl | 129 | % | 10-187 | 1 | 06/08/09 18:23 | RAH | 3123123 |
| Surr: Tetrachloro-m-xylene | 102 | % | 10-153 | 1 | 06/08/09 18:23 | RAH | 3123123 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

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B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-315 (0-1') **Collected:** 05/27/2009 14:15 **SPL Sample ID:** 09060059-48

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116204 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 1.1 | 30 | 06/09/09 20:57 | RAH | 3123523 |
| Aroclor 1221 | ND < | | 1.1 | 30 | 06/09/09 20:57 | RAH | 3123523 |
| Aroclor 1232 | ND < | | 1.1 | 30 | 06/09/09 20:57 | RAH | 3123523 |
| Aroclor 1242 | ND < | | 1.1 | 30 | 06/09/09 20:57 | RAH | 3123523 |
| Aroclor 1248 | 6.6 | | 1.1 | 30 | 06/09/09 20:57 | RAH | 3123138 |
| Aroclor 1254 | 2.8 | | 1.1 | 30 | 06/09/09 20:57 | RAH | 3123523 |
| Aroclor 1260 | ND < | | 1.1 | 30 | 06/09/09 20:57 | RAH | 3123523 |
| Surr: Decachlorobiphenyl | D | | % 10-187 | 30 | 06/09/09 20:57 | RAH | 3123138 |
| Surr: Tetrachloro-m-xylene | D | | % 10-153 | 30 | 06/09/09 20:57 | RAH | 3123138 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-315 (0-2') **Collected:** 05/27/2009 14:18 **SPL Sample ID:** 09060059-49

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9.8 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116205 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 3.7 | 100 | 06/08/09 19:12 | RAH | 3123124 |
| Aroclor 1221 | ND < | | 3.7 | 100 | 06/08/09 19:12 | RAH | 3123124 |
| Aroclor 1232 | ND < | | 3.7 | 100 | 06/08/09 19:12 | RAH | 3123124 |
| Aroclor 1242 | ND < | | 3.7 | 100 | 06/08/09 19:12 | RAH | 3123124 |
| Aroclor 1248 | 140 | | 37 | 1000 | 06/09/09 21:22 | RAH | 3123139 |
| Aroclor 1254 | 46 | | 3.7 | 100 | 06/08/09 19:12 | RAH | 3123124 |
| Aroclor 1260 | ND < | | 3.7 | 100 | 06/08/09 19:12 | RAH | 3123124 |
| Surr: Decachlorobiphenyl | D | | % 10-187 | 100 | 06/08/09 19:12 | RAH | 3123124 |
| Surr: Tetrachloro-m-xylene | D | | % 10-153 | 100 | 06/08/09 19:12 | RAH | 3123124 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-315 (3') **Collected:** 05/27/2009 14:35 **SPL Sample ID:** 09060059-50

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 10 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116206 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/08/09 20:01 | RAH | 3123125 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/08/09 20:01 | RAH | 3123125 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/08/09 20:01 | RAH | 3123125 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/08/09 20:01 | RAH | 3123125 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/08/09 20:01 | RAH | 3123125 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/08/09 20:01 | RAH | 3123125 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/08/09 20:01 | RAH | 3123125 |
| Surr: Decachlorobiphenyl | 129 | % | 10-187 | 1 | 06/08/09 20:01 | RAH | 3123125 |
| Surr: Tetrachloro-m-xylene | 102 | % | 10-153 | 1 | 06/08/09 20:01 | RAH | 3123125 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-315 (4-6') **Collected:** 05/27/2009 14:24 **SPL Sample ID:** 09060059-51

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116207 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/08/09 20:25 | RAH | 3123126 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/08/09 20:25 | RAH | 3123126 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/08/09 20:25 | RAH | 3123126 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/08/09 20:25 | RAH | 3123126 |
| Aroclor 1248 | 0.11 | | 0.037 | 1 | 06/08/09 20:25 | RAH | 3123126 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/08/09 20:25 | RAH | 3123126 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/08/09 20:25 | RAH | 3123126 |
| Surr: Decachlorobiphenyl | 182 | | % 10-187 | 1 | 06/08/09 20:25 | RAH | 3123126 |
| Surr: Tetrachloro-m-xylene | 87.3 | | % 10-153 | 1 | 06/08/09 20:25 | RAH | 3123126 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-315 (6-10') **Collected:** 05/27/2009 14:30 **SPL Sample ID:** 09060059-52

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 06/05/09 0:00 | J_L | 3116208 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND < | | 0.037 | 1 | 06/08/09 21:14 | RAH | 3123130 |
| Aroclor 1221 | ND < | | 0.037 | 1 | 06/08/09 21:14 | RAH | 3123130 |
| Aroclor 1232 | ND < | | 0.037 | 1 | 06/08/09 21:14 | RAH | 3123130 |
| Aroclor 1242 | ND < | | 0.037 | 1 | 06/08/09 21:14 | RAH | 3123130 |
| Aroclor 1248 | ND < | | 0.037 | 1 | 06/08/09 21:14 | RAH | 3123130 |
| Aroclor 1254 | ND < | | 0.037 | 1 | 06/08/09 21:14 | RAH | 3123130 |
| Aroclor 1260 | ND < | | 0.037 | 1 | 06/08/09 21:14 | RAH | 3123130 |
| Surr: Decachlorobiphenyl | 130 | % | 10-187 | 1 | 06/08/09 21:14 | RAH | 3123130 |
| Surr: Tetrachloro-m-xylene | 103 | % | 10-153 | 1 | 06/08/09 21:14 | RAH | 3123130 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550C | 06/03/2009 10:17 | TCM | 1.00 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

# *Quality Control Documentation*

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **PERCENT MOISTURE** | **WorkOrder:** | **09060059** |
| **Method:** | **D2216** | **Lab Batch ID:** | **R** |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09060059-17A | SB-306 (0-1') |
| 09060059-18A | SB-306 (0-3') |
| 09060059-19A | SB-306 (3-6') |
| 09060059-20A | SB-306 (6-10') |
| 09060059-21A | SB-307 (0-3') |
| 09060059-22A | SB-307 (3-6') |
| 09060059-23A | SB-307 (6-10') |
| 09060059-24A | SB-308 (0-3') |
| 09060059-25A | SB-308 (3-6') |
| 09060059-26A | SB-308 (6-10') |
| 09060059-27A | SB-309 (0-3') |
| 09060059-28A | SB-309 (3-6') |
| 09060059-29A | SB-309 (6-10') |
| 09060059-30A | SB-310 (0-3') |
| 09060059-31A | SB-310 (3-6') |
| 09060059-32A | SB-310 (6-10') |
| 09060059-33A | SB-311 (0-3') |
| 09060059-34A | SB-311 (3-6') |
| 09060059-35A | SB-311 (6-10') |
| 09060059-36A | SB-312 (0-1') |
| 09060059-37A | SB-312 (0-3') |
| 09060059-38A | SB-312 (3-6') |
| 09060059-39A | SB-312 (6-10') |
| 09060059-40A | SB-313 (0-1') |
| 09060059-41A | SB-313 (0-3') |
| 09060059-42A | SB-313 (3-6') |
| 09060059-43A | SB-313 (6-10') |
| 09060059-44A | SB-314 (0-1') |
| 09060059-45A | SB-314 (0-3') |
| 09060059-46A | SB-314 (3-6') |
| 09060059-47A | SB-314 (6-10') |
| 09060059-48A | SB-315 (0-1') |
| 09060059-49A | SB-315 (0-2') |
| 09060059-50A | SB-315 (3') |
| 09060059-51A | SB-315 (4-6') |
| 09060059-52A | SB-315 (6-10') |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/12/2009 10:27:37 AM

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# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **PERCENT MOISTURE** **WorkOrder:** **09060059**
**Method:** **D2216** **Lab Batch ID:** **R**

**Sample Duplicate**

Original Sample: 09050927-28
RunID: WET_090529N-3109392 Units: wt%
Analysis Date: 05/29/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 38 | 37 | 2.4 | 20 |

**Sample Duplicate**

Original Sample: 09050765-03
RunID: WET_090529ZC-3110391 Units: wt%
Analysis Date: 05/30/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 25 | 25.2 | 2.0 | 20 |

**Sample Duplicate**

Original Sample: 09051065-07
RunID: WET_090531A-3111751 Units: wt%
Analysis Date: 05/31/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 16 | 15.6 | 0.64 | 20 |

**Sample Duplicate**

Original Sample: 09050860-07
RunID: WET_090531B-3111759 Units: wt%
Analysis Date: 05/31/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 18 | 18 | 2.2 | 20 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **PERCENT MOISTURE** **WorkOrder:** **09060059**
**Method:** **D2216** **Lab Batch ID:** **R**

**Sample Duplicate**

Original Sample: 09051044-04
RunID: WET_090601I-3112273 Units: wt%
Analysis Date: 06/01/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 3 | 3.2 | 6.5 | 20 |

**Sample Duplicate**

Original Sample: 09051123-01
RunID: WET_090602W-3113567 Units: wt%
Analysis Date: 06/02/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 25 | 24.8 | 2.4 | 20 |

**Sample Duplicate**

Original Sample: 09051192-02
RunID: WET_090604D-3115065 Units: wt%
Analysis Date: 06/04/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 27 | 26.1 | 3.0 | 20 |

**Sample Duplicate**

Original Sample: 09060059-34
RunID: WET_090604K-3115445 Units: wt%
Analysis Date: 06/04/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 5.8 | 5.7 | 1.7 | 20 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **PERCENT MOISTURE** **WorkOrder:** **09060059**
**Method:** **D2216** **Lab Batch ID:** **R**

**Sample Duplicate**

Original Sample: 09060059-52
RunID: WET_090605A-3116208 Units: wt%
Analysis Date: 06/05/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 11 | 11 | 0.81 | 20 |

**Sample Duplicate**

Original Sample: 09060272-03
RunID: WET_090609P-3121730 Units: wt%
Analysis Date: 06/09/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 16 | 15.3 | 2.6 | 20 |

**Sample Duplicate**

Original Sample: 09060170-10
RunID: WET_090610M-3123352 Units: wt%
Analysis Date: 06/10/2009 0:00 Analyst: J_L

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 21 | 21.1 | 0.48 | 20 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **PERCENT MOISTURE** | **WorkOrder:** | **09060059** |
| **Method:** | **D2216** | **Lab Batch ID:** | **R207407** |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09060059-01A | SB-301 (0-3') |
| 09060059-02A | SB-301 (3-6') |
| 09060059-03A | SB-301 (6-10') |
| 09060059-04A | SB-302 (0-3') |
| 09060059-05A | SB-302 (3-6') |
| 09060059-06A | SB-302 (6-10') |
| 09060059-07A | SB-303 (0-3') |
| 09060059-08A | SB-303 (3-6') |
| 09060059-09A | SB-303 (6-10') |
| 09060059-10A | SB-304 (0-3') |
| 09060059-11A | SB-304 (3-6') |
| 09060059-12A | SB-304 (6-10') |
| 09060059-13A | SB-305 (0-1') |
| 09060059-14A | SB-305 (0-3') |
| 09060059-15A | SB-305 (3-6') |
| 09060059-16A | SB-305 (6-10') |

### Sample Duplicate

| | | | |
|---|---|---|---|
| Original Sample: | 09060059-16 | | |
| RunID: | WET_090604B-3114951 | Units: | wt% |
| Analysis Date: | 06/04/2009 0:00 | Analyst: | J_L |

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 12 | 11.5 | 3.4 | 20 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by Method 8082 - soil** **WorkOrder:** **09060059**
**Method:** **SW8082** **Lab Batch ID:** **80288**

### Method Blank

RunID: PEST2_090602C-3115671 Units: mg/Kg
Analysis Date: 06/03/2009 14:46 Analyst: LDD
Preparation Date: 06/02/2009 11:47 Prep By: TCM Method: SW3550C

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND < | 0.033 |
| Aroclor 1221 | ND < | 0.033 |
| Aroclor 1232 | ND < | 0.033 |
| Aroclor 1242 | ND < | 0.033 |
| Aroclor 1248 | ND < | 0.033 |
| Aroclor 1254 | ND < | 0.033 |
| Aroclor 1260 | ND < | 0.033 |
| Surr: Decachlorobiphenyl | 73.3 | 10-187 |
| Surr: Tetrachloro-m-xylene | 90.3 | 10-153 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09060059-03A | SB-301 (6-10') |
| 09060059-05A | SB-302 (3-6') |
| 09060059-06A | SB-302 (6-10') |
| 09060059-09A | SB-303 (6-10') |
| 09060059-10A | SB-304 (0-3') |
| 09060059-11A | SB-304 (3-6') |
| 09060059-12A | SB-304 (6-10') |
| 09060059-15A | SB-305 (3-6') |
| 09060059-16A | SB-305 (6-10') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST2_090602C-3115672 Units: mg/Kg
Analysis Date: 06/03/2009 15:08 Analyst: LDD
Preparation Date: 06/02/2009 11:47 Prep By: TCM Method: SW3550C

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 0.330 | 0.322 | 97.7 | 0.330 | 0.345 | 105 | 6.7 | 28 | 53 | 148 |
| Aroclor 1260 | 0.330 | 0.291 | 88.2 | 0.330 | 0.293 | 88.8 | 0.7 | 33 | 52 | 152 |
| Surr: Decachlorobiphenyl | 0.0330 | 0.0267 | 80.9 | 0.0330 | 0.0252 | 76.4 | 5.8 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | 0.0330 | 0.0329 | 99.7 | 0.0330 | 0.0349 | 106 | 5.9 | 30 | 10 | 153 |

### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09051141-01
RunID: PEST2_090602D-3116005 Units: mg/Kg
Analysis Date: 06/03/2009 21:39 Analyst: LDD
Preparation Date: 06/02/2009 11:47 Prep By: TCM Method: SW3550C

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/12/2009 10:27:38 AM

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# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by Method 8082 - soil** **WorkOrder:** **09060059**
**Method:** **SW8082** **Lab Batch ID:** **80288**

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND < | 0.33 | 0.324 | 98.1 | 0.33 | 0.363 | 110 | 11.6 | 48 | 10 | 181 |
| Aroclor 1260 | 0.0434 | 0.33 | 0.313 | 81.8 | 0.33 | 0.346 | 91.6 | 9.86 | 49 | 10 | 154 |
| Surr: Decachlorobiphenyl | ND < | 0.033 | 0.0221 | 67.0 | 0.033 | 0.0281 | 85.2 | 23.9 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | ND < | 0.033 | 0.0351 | 106 | 0.033 | 0.0381 | 115 | 8.20 | 30 | 10 | 153 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by Method 8082 - soil** **WorkOrder:** **09060059**
**Method:** **SW8082** **Lab Batch ID:** **80288**

### Method Blank

RunID: PEST2_090602A-3115244 Units: mg/Kg
Analysis Date: 06/03/2009 14:46 Analyst: LDD
Preparation Date: 06/02/2009 11:47 Prep By: TCM Method: SW3550C

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND < | 0.033 |
| Aroclor 1221 | ND < | 0.033 |
| Aroclor 1232 | ND < | 0.033 |
| Aroclor 1242 | ND < | 0.033 |
| Aroclor 1248 | ND < | 0.033 |
| Aroclor 1254 | ND < | 0.033 |
| Aroclor 1260 | ND < | 0.033 |
| Surr: Decachlorobiphenyl | 83.6 | 10-187 |
| Surr: Tetrachloro-m-xylene | 68.5 | 10-153 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09060059-01A | SB-301 (0-3') |
| 09060059-02A | SB-301 (3-6') |
| 09060059-04A | SB-302 (0-3') |
| 09060059-07A | SB-303 (0-3') |
| 09060059-08A | SB-303 (3-6') |
| 09060059-13A | SB-305 (0-1') |
| 09060059-14A | SB-305 (0-3') |
| 09060059-17A | SB-306 (0-1') |
| 09060059-18A | SB-306 (0-3') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST2_090602A-3115245 Units: mg/Kg
Analysis Date: 06/03/2009 15:08 Analyst: LDD
Preparation Date: 06/02/2009 11:47 Prep By: TCM Method: SW3550C

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 0.330 | 0.367 | 111 | 0.330 | 0.390 | 118 | 6.0 | 28 | 53 | 148 |
| Aroclor 1260 | 0.330 | 0.388 | 118 | 0.330 | 0.404 | 122 | 4.0 | 33 | 52 | 152 |
| Surr: Decachlorobiphenyl | 0.0330 | 0.0384 | 116 | 0.0330 | 0.0387 | 117 | 0.8 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | 0.0330 | 0.0321 | 97.3 | 0.0330 | 0.0356 | 108 | 10.3 | 30 | 10 | 153 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/12/2009 10:27:38 AM

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# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **Polychlorinated Biphenyls by Method 8082 - soil** | **WorkOrder:** | **09060059** |
| **Method:** | **SW8082** | **Lab Batch ID:** | **80311** |

### Method Blank

RunID: PEST2_090602E-3124777 Units: mg/Kg
Analysis Date: 06/04/2009 14:48 Analyst: LDD
Preparation Date: 06/03/2009 8:31 Prep By: TCM Method: SW3550C

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND < | 0.033 |
| Aroclor 1221 | ND < | 0.033 |
| Aroclor 1232 | ND < | 0.033 |
| Aroclor 1242 | ND < | 0.033 |
| Aroclor 1248 | ND < | 0.033 |
| Aroclor 1254 | ND < | 0.033 |
| Aroclor 1260 | ND < | 0.033 |
| Surr: Decachlorobiphenyl | 90.9 | 10-187 |
| Surr: Tetrachloro-m-xylene | 104.5 | 10-153 |

### Samples in Analytical Batch:

| Lab Sample ID | Client Sample ID |
|---|---|
| 09060059-19A | SB-306 (3-6') |
| 09060059-20A | SB-306 (6-10') |
| 09060059-21A | SB-307 (0-3') |
| 09060059-22A | SB-307 (3-6') |
| 09060059-23A | SB-307 (6-10') |
| 09060059-24A | SB-308 (0-3') |
| 09060059-25A | SB-308 (3-6') |
| 09060059-26A | SB-308 (6-10') |
| 09060059-27A | SB-309 (0-3') |
| 09060059-28A | SB-309 (3-6') |
| 09060059-29A | SB-309 (6-10') |
| 09060059-30A | SB-310 (0-3') |
| 09060059-31A | SB-310 (3-6') |
| 09060059-32A | SB-310 (6-10') |
| 09060059-33A | SB-311 (0-3') |
| 09060059-34A | SB-311 (3-6') |
| 09060059-35A | SB-311 (6-10') |
| 09060059-36A | SB-312 (0-1') |
| 09060059-37A | SB-312 (0-3') |
| 09060059-38A | SB-312 (3-6') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST2_090602E-3124778 Units: mg/Kg
Analysis Date: 06/04/2009 15:10 Analyst: LDD
Preparation Date: 06/03/2009 8:31 Prep By: TCM Method: SW3550C

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 0.330 | 0.330 | 99.8 | 0.330 | 0.327 | 99.0 | 0.8 | 28 | 53 | 148 |
| Aroclor 1260 | 0.330 | 0.305 | 92.5 | 0.330 | 0.309 | 93.8 | 1.4 | 33 | 52 | 152 |
| Surr: Decachlorobiphenyl | 0.0330 | 0.0271 | 82.1 | 0.0330 | 0.0263 | 79.7 | 3.0 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | 0.0330 | 0.0331 | 100 | 0.0330 | 0.0316 | 95.8 | 4.6 | 30 | 10 | 153 |

### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/12/2009 10:27:39 AM

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# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **Polychlorinated Biphenyls by Method 8082 - soil** | **WorkOrder:** | **09060059** |
| **Method:** | **SW8082** | **Lab Batch ID:** | **80311** |

| | | | |
|---|---|---|---|
| Sample Spiked: | 09060059-19 | | |
| RunID: | PEST2_090602E-3124782 | Units: | mg/Kg-dry |
| Analysis Date: | 06/04/2009 16:40 | Analyst: | LDD |
| Preparation Date: | 06/03/2009 8:31 | Prep By: | TCM Method: SW3550C |

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND < | 0.371 | 0.453 | 122 | 0.371 | 0.379 | 102 | 17.8 | 48 | 10 | 181 |
| Aroclor 1260 | ND < | 0.371 | 0.402 | 109 | 0.371 | 0.301 | 81.2 | 28.8 | 49 | 10 | 154 |
| Surr: Decachlorobiphenyl | ND < | 0.0371 | 0.0336 | 90.6 | 0.0371 | 0.0246 | 66.4 | 30.9 * | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | ND < | 0.0371 | 0.0447 | 121 | 0.0371 | 0.0407 | 110 | 9.47 | 30 | 10 | 153 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/12/2009 10:27:39 AM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **Polychlorinated Biphenyls by Method 8082 - soil** | **WorkOrder:** | **09060059** |
| **Method:** | **SW8082** | **Lab Batch ID:** | **80311** |

### Method Blank

RunID: PEST2_090602E-3124777 Units: mg/Kg

Analysis Date: 06/04/2009 14:48 Analyst: LDD

Preparation Date: 06/03/2009 8:31 Prep By: TCM Method: SW3550C

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND < | 0.033 |
| Aroclor 1221 | ND < | 0.033 |
| Aroclor 1232 | ND < | 0.033 |
| Aroclor 1242 | ND < | 0.033 |
| Aroclor 1248 | ND < | 0.033 |
| Aroclor 1254 | ND < | 0.033 |
| Aroclor 1260 | ND < | 0.033 |
| Surr: Decachlorobiphenyl | 90.9 | 10-187 |
| Surr: Tetrachloro-m-xylene | 104.5 | 10-153 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09060059-19A | SB-306 (3-6') |
| 09060059-20A | SB-306 (6-10') |
| 09060059-21A | SB-307 (0-3') |
| 09060059-22A | SB-307 (3-6') |
| 09060059-23A | SB-307 (6-10') |
| 09060059-24A | SB-308 (0-3') |
| 09060059-25A | SB-308 (3-6') |
| 09060059-26A | SB-308 (6-10') |
| 09060059-27A | SB-309 (0-3') |
| 09060059-28A | SB-309 (3-6') |
| 09060059-29A | SB-309 (6-10') |
| 09060059-30A | SB-310 (0-3') |
| 09060059-31A | SB-310 (3-6') |
| 09060059-32A | SB-310 (6-10') |
| 09060059-33A | SB-311 (0-3') |
| 09060059-34A | SB-311 (3-6') |
| 09060059-35A | SB-311 (6-10') |
| 09060059-36A | SB-312 (0-1') |
| 09060059-37A | SB-312 (0-3') |
| 09060059-38A | SB-312 (3-6') |

### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09060059-19

RunID: PEST2_090602E-3124782 Units: mg/Kg-dry

Analysis Date: 06/04/2009 16:40 Analyst: LDD

Preparation Date: 06/03/2009 8:31 Prep By: TCM Method: SW3550C

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND < | 0.371 | 0.453 | 122 | 0.371 | 0.379 | 102 | 17.8 | 48 | 10 | 181 |
| Aroclor 1260 | ND < | 0.371 | 0.402 | 109 | 0.371 | 0.301 | 81.2 | 28.8 | 49 | 10 | 154 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/12/2009 10:27:40 AM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **Polychlorinated Biphenyls by Method 8082 - soil** | **WorkOrder:** | **09060059** |
| **Method:** | **SW8082** | **Lab Batch ID:** | **80311** |

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

| | | | |
|---|---|---|---|
| Sample Spiked: | 09060059-19 | | |
| RunID: | PEST2_090602E-3124782 | Units: | mg/Kg-dry |
| Analysis Date: | 06/04/2009 16:40 | Analyst: | LDD |
| Preparation Date: | 06/03/2009 8:31 | Prep By: | TCM Method: SW3550C |

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surr: Decachlorobiphenyl | ND < | 0.0371 | 0.0336 | 90.6 | 0.0371 | 0.0246 | 66.4 | 30.9 * | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | ND < | 0.0371 | 0.0447 | 121 | 0.0371 | 0.0407 | 110 | 9.47 | 30 | 10 | 153 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/12/2009 10:27:40 AM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by Method 8082 - soil** **WorkOrder:** **09060059**
**Method:** **SW8082** **Lab Batch ID:** **80316**

### Method Blank

RunID: PEST_090608A-3123110 Units: mg/Kg
Analysis Date: 06/08/2009 12:17 Analyst: RAH
Preparation Date: 06/03/2009 10:17 Prep By: TCM Method: SW3550C

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND < | 0.033 |
| Aroclor 1221 | ND < | 0.033 |
| Aroclor 1232 | ND < | 0.033 |
| Aroclor 1242 | ND < | 0.033 |
| Aroclor 1248 | ND < | 0.033 |
| Aroclor 1254 | ND < | 0.033 |
| Aroclor 1260 | ND < | 0.033 |
| Surr: Decachlorobiphenyl | 119.4 | 10-187 |
| Surr: Tetrachloro-m-xylene | 97.3 | 10-153 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 09060059-39A | SB-312 (6-10') |
| 09060059-40A | SB-313 (0-1') |
| 09060059-41A | SB-313 (0-3') |
| 09060059-42A | SB-313 (3-6') |
| 09060059-43A | SB-313 (6-10') |
| 09060059-44A | SB-314 (0-1') |
| 09060059-45A | SB-314 (0-3') |
| 09060059-46A | SB-314 (3-6') |
| 09060059-47A | SB-314 (6-10') |
| 09060059-48A | SB-315 (0-1') |
| 09060059-49A | SB-315 (0-2') |
| 09060059-50A | SB-315 (3') |
| 09060059-51A | SB-315 (4-6') |
| 09060059-52A | SB-315 (6-10') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST_090608A-3123111 Units: mg/Kg
Analysis Date: 06/08/2009 12:41 Analyst: RAH
Preparation Date: 06/03/2009 10:17 Prep By: TCM Method: SW3550C

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 0.330 | 0.316 | 95.8 | 0.330 | 0.299 | 90.6 | 5.6 | 28 | 53 | 148 |
| Aroclor 1260 | 0.330 | 0.378 | 114 | 0.330 | 0.360 | 109 | 4.7 | 33 | 52 | 152 |
| Surr: Decachlorobiphenyl | 0.0330 | 0.0388 | 118 | 0.0330 | 0.0369 | 112 | 5.0 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | 0.0330 | 0.0324 | 98.2 | 0.0330 | 0.0300 | 90.9 | 7.7 | 30 | 10 | 153 |

### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09060059-39
RunID: PEST_090608A-3123113 Units: mg/Kg-dry
Analysis Date: 06/08/2009 13:30 Analyst: RAH
Preparation Date: 06/03/2009 10:17 Prep By: TCM Method: SW3550C

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/12/2009 10:27:41 AM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by Method 8082 - soil** **WorkOrder:** **09060059**
**Method:** **SW8082** **Lab Batch ID:** **80316**

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND < | 0.371 | 0.377 | 102 | 0.371 | 0.323 | 87.2 | 15.3 | 48 | 10 | 181 |
| Aroclor 1260 | ND < | 0.371 | 0.474 | 128 | 0.371 | 0.410 | 110 | 14.6 | 49 | 10 | 154 |
| Surr: Decachlorobiphenyl | ND < | 0.0371 | 0.0482 | 130 | 0.0371 | 0.0425 | 115 | 12.6 | 30 | 10 | 187 |
| Surr: Tetrachloro-m-xylene | ND < | 0.0371 | 0.0365 | 98.5 | 0.0371 | 0.0316 | 85.2 | 14.5 | 30 | 10 | 153 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/12/2009 10:27:41 AM

# *Sample Receipt Checklist*
# *And*
# *Chain of Custody*

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Workorder: | **09060059** | Received By: | **JM** |
| Date and Time Received: | **6/2/2009 10:00:00 AM** | Carrier name: | **FedEx-Std 1 Day PM** |
| Temperature: | **2°C** | Chilled by: | **Water Ice** |

| | | | | |
|---|---|---|---|---|
| **1.** | **Shipping container/cooler in good condition?** | Yes ☑ | No ☐ | Not Present ☐ |
| **2.** | **Custody seals intact on shippping container/cooler?** | Yes ☑ | No ☐ | Not Present ☐ |
| **3.** | **Custody seals intact on sample bottles?** | Yes ☐ | No ☐ | Not Present ☑ |
| **4.** | **Chain of custody present?** | Yes ☑ | No ☐ | |
| **5.** | **Chain of custody signed when relinquished and received?** | Yes ☑ | No ☐ | |
| **6.** | **Chain of custody agrees with sample labels?** | Yes ☑ | No ☐ | |
| **7.** | **Samples in proper container/bottle?** | Yes ☑ | No ☐ | |
| **8.** | **Sample containers intact?** | Yes ☑ | No ☐ | |
| **9.** | **Sufficient sample volume for indicated test?** | Yes ☑ | No ☐ | |
| **10.** | **All samples received within holding time?** | Yes ☑ | No ☐ | |
| **11.** | **Container/Temp Blank temperature in compliance?** | Yes ☐ | No ☑ | |
| **12.** | **Water - VOA vials have zero headspace?** | Yes ☐ | No ☐ | VOA Vials Not Present ☑ |
| **13.** | **Water - Preservation checked upon receipt (except VOA*)?** | Yes ☐ | No ☐ | Not Applicable ☑ |

***VOA Preservation Checked After Sample Analysis**

**SPL Representative:** _____ **Contact Date & Time:** _____

**Client Name Contacted:** _____

**Non Conformance Issues:** _____

**Client Instructions:** _____

09060059



# Chain of Custody Record

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

**Sunoco DUNS #:** 03745593
**Region:** Northeast
**State or Lead Regulatory Agency:** MADEP
**Requested Due Date (mm/dd/yy):** Standard
**COC Tracking Number:** 131414-2009

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | 500 Ambassador Caffery Parkway | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | Scott, LA 70583 | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | |
| Tele/Fax: | 231-947-5777 | Address: | 41 Rumford St, | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | | Concord, NH, 03301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | |

**Lab Bottle Order No:**

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative | Requested Analysis: 8082PCBs | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-301 (0-3') | 10:25 | 5/27 | | SO | | | 1 | | X | |
| 2 | SB-301 (3-6') | 10:32 | 5/27 | | SO | | | 1 | | X | |
| 3 | SB-301 (6-10') | 10:39 | 5/27 | | SO | | | 1 | | X | |
| 4 | SB-302 (0-3') | 10:57 | 5/27 | | SO | | | 1 | | X | |
| 5 | SB-302 (3-6') | 11:06 | 5/27 | | SO | | | 1 | | X | |
| 6 | SB-302 (6-10') | 11:13 | 5/27 | | SO | | | 1 | | X | |
| 7 | SB-303 (0-3') | 12:35 | 5/27 | | SO | | | 1 | | X | |
| 8 | SB-303 (3-6') | 12:41 | 5/27 | | SO | | | 1 | | X | |
| 9 | SB-303 (6-10') | 12:49 | 5/27 | | SO | | | 1 | | X | |
| 10 | SB-304 (0-3') | 9:16 | 5/26 | | SO | | | 1 | | X | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | Adam Guaraldi | 6/1/09 | 10:00a | Fed Ex | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | | 6/2/09 | 900 | | | 900 |
| Shipment Date: | 6/1/09 | | 6/2/09 | 1000 | J Mallet | 6/3/09 | 1000 |
| Shipment Method: | FedEx | | | | | | |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:** Z 305-(12)

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

7751 20

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:**
**State or Lead Regulatory Agency:**
**Requested Due Date (mm/dd/yy):**
**COC Tracking Number:** 131414-2009

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | |
| Tele/Fax: | 231-947-5777 | Address: | 41 Rumford St, | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | | Concord, NH, 03301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | |

**Lab Bottle Order No:**

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative | Preservative | Preservative | Preservative | Preservative | Preservative | Requested Analysis: 8082PCBs | Requested Analysis | Requested Analysis | Requested Analysis | Requested Analysis | Requested Analysis | Requested Analysis | Requested Analysis | Requested Analysis | Requested Analysis | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-304 (3-6') | 9:20 | 5/26 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |
| 2 | SB-304 (6-10') | 9:09 | 5/27 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |
| 3 | SB-305 (0-1') | 1:01 | 5/27 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |
| 4 | SB-305 (0-3') | 1:04 | 5/27 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |
| 5 | SB-305 (3-6') | 1:08 | 5/27 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |
| 6 | SB-305 (6-10') | 1:10 | 5/27 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |
| 7 | SB-306 (0-1') | 1:15 | 5/27 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |
| 8 | SB-306 (0-3') | 1:17 | 5/27 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |
| 9 | SB-306 (3-6') | 1:19 | 5/27 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |
| 10 | SB-306 (6-10') | 1:21 | 5/27 | | SO | | | 1 | | | | | | | X | | | | | | | | | | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | | | | | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | | 6/1/09 | 10:00 | | | |
| Shipment Date: | 6/1/09 | | 6/2/09 | 900 | | | 900 |
| Shipment Method: | Fed Ex | | 6/2/09 | 1000 | | 6/2/09 | 1000 |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:**

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

Cost 2-0

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:**
**State or Lead Regulatory Agency:**
**Requested Due Date (mm/dd/yy):**
**COC Tracking Number:** 131414-2009

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | |
| Tele/Fax: | 231-947-5777 | Address: | 41 Rumford St, | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | | Concord, NH, 03301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | |

**Lab Bottle Order No:**

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative | Requested Analysis: 8082PCBs | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-307 (0-3') | 10:50 | 5/27 | | SO | | | 1 | | X | |
| 2 | SB-307 (3-6') | 11:50 | 5/27 | | SO | | | 1 | | X | |
| 3 | SB-307 (6-10') | 11:55 | 5/27 | | SO | | | 1 | | X | |
| 4 | SB-308 (0-3') | 9:47 | 5/26 | | SO | | | 1 | | X | |
| 5 | SB-308 (3-6') | 9:25 | 5/27 | | SO | | | 1 | | X | |
| 6 | SB-308 (6-10') | 9:29 | 5/27 | | SO | | | 1 | | X | |
| 7 | SB-309 (0-3') | 10:53 | 5/26 | | SO | | | 1 | | X | |
| 8 | SB-309 (3-6') | 11:10 | 5/26 | | SO | | | 1 | | X | |
| 9 | SB-309 (6-10') | 9:46 | 5/27 | | SO | | | 1 | | X | |
| 10 | SB-310 (0-3') | 12:13 | 5/26 | | SO | | | 1 | | X | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adarn Guaraldi | | | | | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | | 6/1/09 | 10:00am | Fedex | | |
| Shipment Date: | 6/1/09 | | 6/2/09 | 900 | | 6/2/09 | 900 |
| Shipment Method: | FedEx | | 6/2/09 | 1000 | | 6/2/09 | 1000 |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:**

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

T157 2.0

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:**
**State or Lead Regulatory Agency:**
**Requested Due Date (mm/dd/yy):**
**COC Tracking Number:** 131414-2009

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | |
| Tele/Fax: | 231-947-5777 | Address: | 41 Rumford St, | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | | Concord, NH, 03301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | |

**Lab Bottle Order No:**

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative | Requested Analysis: 8082PCBs | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-310 (3-6') | 12:21 | 5/26 | | SO | | | 1 | | X | |
| 2 | SB-310 (6-10') | 9:57 | 5/27 | | SO | | | 1 | | X | |
| 3 | SB-311 (0-3') | 1:40 | 5/26 | | SO | | | 1 | | X | |
| 4 | SB-311 (3-6') | 1:49 | 5/26 | | SO | | | 1 | | X | |
| 5 | SB-311 (6-10') | 10:13 | 5/27 | | SO | | | 1 | | X | |
| 6 | SB-312 (0-1') | 1:30 | 5/27 | | SO | | | 1 | | X | |
| 7 | SB-312 (0-3') | 1:33 | 5/27 | | SO | | | 1 | | X | |
| 8 | SB-312 (3-6') | 1:38 | 5/27 | | SO | | | 1 | | X | |
| 9 | SB-312 (6-10') | 1:44 | 5/27 | | SO | | | 1 | | X | |
| 10 | SB-313 (0-1') | 1:50 | 5/27 | | SO | | | 1 | | X | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | | | | | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | | 6/1/09 | 10:02am | | | |
| Shipment Date: | 6/1/09 | | 6/2 | 900 | | 6/2 | 900 |
| Shipment Method: | Fed Ex | | 6/2 | 1000 | | 6/2 | 1000 |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:**

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

TIST 2.0

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:**
**State or Lead Regulatory Agency:**
**Requested Due Date (mm/dd/yy):**
**COC Tracking Number:** 131414-2009

| | |
|---|---|
| On-site Time: | Temp 0.0 |
| Off-site Time: | Temp 0.0 |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: 0.0 | Direc |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABATORY | Facility Address: | 88-90 SOUTH MAPLE STREET | Consultant/Contractor: | CORPORATE ENVIRONMENTAL |
| Address: | | Facility City, State: | WESTFIELD MA | Address: | 127 Hartwell Street, |
| | | Site Lat/Long: | 42.111223 -72.764268 | | West Boylston, MA, 01583 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | |
| Tele/Fax: | 231-947-5777 | Address: | 41 Rumford St, | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | | Concord, NH, 03301 | | Tele/Fax: | 508-835-8822 508-835-8812 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 | Invoice to: | |

**Lab Bottle Order No:**

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative | Requested Analysis: 8082PCBs | | | | | | | | | | | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-313 (0-3') | 1:52 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |
| 2 | SB-313 (3-6') | 1:56 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |
| 3 | SB-313 (6-10') | 2:00 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |
| 4 | SB-314 (0-1') | 2:05 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |
| 5 | SB-314 (0-3') | 2:07 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |
| 6 | SB-314 (3-6') | 2:09 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |
| 7 | SB-314 (6-10') | 2:11 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |
| 8 | SB-315 (0-1') | 2:15 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |
| 9 | SB-315 (0-2') | 2:18 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |
| 10 | SB-315 (3') | 2:35 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | | | | | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | | 6/1/09 | 10:00am | | | |
| Shipment Date: | 6/1/09 | | 6/2 | 800 | | 6/2 | 800 |
| Shipment Method: | FedEx | | 6/2 | 1000 | | 6/2 | 1000 |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:**

Custody Seals In Place Yes No | Temp Blank Yes No | Cooler Temperature on Receipt OF/C | Trip Blank Yes No

TS1 2-0

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

# Chain of Custody Record

**Sunoco DUNS #:** 03745593
**Region:**
**State or Lead Regulatory Agency:**
**Requested Due Date (mm/dd/yy):**
**COC Tracking Number:** 131414-2009

| | | |
|---|---|---|
| On-site Time: | Temp 0.0 | |
| Off-site Time: | Temp 0.0 | |
| Sky Conditions: | | |
| Meteorological Events: | | |
| Wind Speed: | 0.0 | Direc |

| | | | |
|---|---|---|---|
| Lab Name: | SOUTHERN PETROLEUM LABATORY | Facility Address: | 88-90 SOUTH MAPLE STREET |
| Address: | | Facility City, State: | WESTFIELD MA |
| | | Site Lat/Long: | 42.111223 -72.764268 |
| Lab PM: | Eloy Granados | Sunoco PM Contact: | Bill Brochu |
| Tele/Fax: | 231-947-5777 | Address: | 41 Rumford St, |
| Report Type & QC Level: | | Concord, NH, 03301 | |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (603) 715-1220 (866) 257-9205 |

| | | | |
|---|---|---|---|
| Consultant/Contractor: | CORPORATE ENVIRONMENTAL | | |
| Address: | 127 Hartwell Street, | | |
| | West Boylston, MA, 01583 | | |
| Consultant/Contractor Project No.: | | | |
| Consultant/Contractor PM: | Scott VanderSea | | |
| Tele/Fax: | 508-835-8822 | 508-835-8812 | |
| Invoice to: | | | |

**Lab Bottle Order No:**

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Solid | Matrix: Gas | Laboratory No. | No. of Containers | Preservative | Requested Analysis: 8082PCBs | | | | | | | | | | | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-315 (4-6') | 2:24 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | 1 | |
| 2 | SB-315 (6-10') | 2:30 | 5/27 | | SO | | | 1 | | X | | | | | | | | | | 1 | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | | | | | | |
| Sampler's Company: | CORPORATE ENVIRONMENTAL ADVIS | | 6/1/09 | 10:00am | | | |
| Shipment Date: | 6/1/09 | | 6/2/09 | 600 | | | 600 |
| Shipment Method: | FedEx | | 6/2/09 | 1000 | | 6/2/09 | 1000 |
| Shipment Tracking No: | | | | | | | |

**Special Instructions:**

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt OF/C Trip Blank Yes No

C051 2-0

**FedEx** US Airbill Express

FedEx Tracking Number [redacted]

0215

Recipient's Copy

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

**1 From** This portion can be removed for Recipient's records.

Date 6/1/09 FedEx Tracking Number 8686 7839 9271

Sender's Name Adam Guerardi Phone 508 835-8822

Company Corporate Environmental Advisors

Address 127 Hartwell St Dept./Floor/Suite/Room

City W. Boylston State MA ZIP 01583

**2 Your Internal Billing Reference**

**3 To**

Recipient's Name Phone

Company SOUTHERN PETROLEUM LAB

Recipient's Address 500 AMBASSADOR CAFFERY PKWY Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City SCOTT State LA ZIP 70583-5300

FedEx TRK# 0215 8686 9783 9271

TUE - 02 JUN A2
STANDARD OVERNIGHT

XH LFTA

70583
LA-US

**4a Express Package Service** — Packages up to 150 lbs.

- ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

**4b Express Freight Service** — Packages over 150 lbs.

- ☐ FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

**5 Packaging**

- ☐ FedEx Envelope*
- ☐ FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- ☐ FedEx Box
- ☐ FedEx Tube
- ☒ Other

* Declared value limit $500.

**6 Special Handling** — Include FedEx address in Section 3.

- ☐ SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- ☐ HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- ☐ HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- ☐ No
- ☐ Yes — As per attached Shipper's Declaration.
- ☐ Yes — Shipper's Declaration not required.
- ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- ☐ Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

**7 Payment** Bill to: Enter FedEx Acct. No. or Credit Card No. below.

- ☐ Sender — Acct. No. in Section 1 will be billed.
- ☒ Recipient
- ☐ Third Party
- ☐ Credit Card
- ☐ Cash/Check
- Obtain Recip. Acct. No. ☐

[redacted]

Total Packages 1 Total Weight 45 [redacted] Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

**8 Residential Delivery Signature Options** If you require a signature, check Direct or Indirect.

- ☐ No Signature Required — Package may be left* without obtaining a signature for delivery.
- ☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

519

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679

**FedEx** Express — **US Airbill**

FedEx Tracking Number: 8686 9783 9250

0215 — **Recipient's Copy**

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

**1 From** This portion can be removed for Recipient's records.

Date 6/1/09 FedEx Tracking Number 868697839250

Sender's Name Adam Guarald Phone 504 835-8822

Company Corporate Environmental Advisors

Address 127 Hartwell St — Dept./Floor/Suite/Room

City W. Boylston State MA ZIP 01583

**2 Your Internal Billing Reference**

**3 To**

Recipient's Name — Phone

Company SOUTHERN PETROLEUM LAB

Recipient's Address 500 AMBASSADOR CAFFERY PKWY

We cannot deliver to P.O. boxes or P.O. ZIP codes. — Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City SCOTT State LA ZIP 70583-5300

**4a Express Package Service** — *Packages up to 150 lbs.*

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate. — * To most locations.

**4b Express Freight Service** — *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: — ** To most locations.

**5 Packaging**

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

*Declared value limit $500.

**6 Special Handling** — Include FedEx address in Section 3.

- [ ] **SATURDAY Delivery** — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] **HOLD Weekday at FedEx Location** — Not available for FedEx First Overnight.
- [ ] **HOLD Saturday at FedEx Location** — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

**Does this shipment contain dangerous goods?** One box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

**7 Payment** *Bill to:* — Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Obtain Recip. Acct. No. [ ]

[redacted] 0705 [redacted]

Total Packages 1 — Total Weight 60 — [redacted]

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

**8 Residential Delivery Signature Options** — If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

519

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FedEx TRK# 0215 8686 9783 9250

TUE - 02 JUN A2
STANDARD OVERNIGHT

70583
LA-US
LFT

XH LFTA

# MADEP MCP Analytical Method Report Certification Form

| | |
|---|---|
| Laboratory Name: **SPL, Inc.** | Project #: SUNOCO DUNS#03745593 |
| Project Location: 88-90 SOUTH MAPLE ST., WESTFIELD, MA | MADEP RTN[1]: |

**SPL Certificate of Analysis Number: 9060059 (samples listed on Cover Page)**

Sample Matrices: **Soil/Sedimient** Groundwater Drinking Water Other:

| **MCP SW-846 Methods Used** | | | | | |
|---|---|---|---|---|---|
| | 8260B ( ) | 8151A ( ) | 8310 ( ) | 6010B ( X ) | 7470A/1A ( ) |
| | 8270C ( ) | 8015B ( ) | VPH ( X ) | 6020 ( ) | 9014M[2] ( ) |
| As specified in MADEP Compendium of Analytical Methods. (check all that apply) | 8082 ( X ) | 8021B ( ) | EPH ( ) | 7000 S[3] ( ) | 7196 ( ) |

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte.

***An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status***

| | | | |
|---|---|---|---|
| **A** | Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set? | [Yes] | No[1] |
| **B** | Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines? | [Yes] | No[1] |
| **C** | Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A; "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? | [Yes] | No[1] |
| **D** | ***VPH and EPH methods only***: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? | [Yes] | No[1] |

***A response to questions E and F below is required for "Presumptive Certainty" status***

| | | | |
|---|---|---|---|
| **E** | Were all QC performance standards and recommendations for the specified method achieved? | [Yes] | No[1] |
| **F** | Were results for all analyte-list compounds/elements for the specified method(s) reported? | [Yes] | No[1] |

*[1] All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Signature: _____ Position: Project Manager

Printed Name: Eloy Granados Date: 12-Jun-09

Lancaster Laboratories
2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

ANALYTICAL RESULTS

Prepared for:

SUNOCO c/o CEA, Inc.
Hartwell Business Park
127 Hartwell Street
West Boylston MA 01583

508-835-8822

Prepared by:

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

## SAMPLE GROUP

The sample group for this submittal is 1044781. Samples arrived at the laboratory on Wednesday, June 27, 2007.

| Client Description | | Lancaster Labs Number |
|---|---|---|
| MW-201 (12-14') | Soil | 5092338 |
| MW-202 (12-14') | Soil | 5092339 |
| MW-203 (10-12') | Soil | 5092340 |
| MW-204 (10-12') | Soil | 5092341 |

| | | |
|---|---|---|
| ELECTRONIC COPY TO | SUNOCO c/o CEA, Inc. | Attn: Scott VanderSea |
| 1 COPY TO | SUNOCO c/o CEA, Inc. | Attn: Debra Zukauskas |

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Heidi L Ortenzi at (717) 656-2300

Respectfully Submitted,

Valerie L. Tomayko
Group Leader

Lancaster Laboratories
2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Analysis Report**

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Lancaster Laboratories
Project: 03745593 88-90 South Maple Street-Westfield, MA
This form provides certifications for the following data set: 5092338-5092341

Sample Matrices: Soil/Sediment

Methods Used:
EPA 160.3 modified; MA DEP VPH 5/04; SW-846 8082

| An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status | | Yes or No[1] |
|---|---|---|
| A[2] | Were all samples received by the laboratory at the appropriate temperature and were trip blanks received (where required)? | No |
| B | Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to discuss QC data that did not meet appropriate performance standards or guidelines? | Yes |
| C | Does the data included in this report meet all analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c), and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data? | Yes |
| D | **VPH and EPH Methods only:** Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective methods)? | Yes |
| A response to questions E and F below is required for "Presumptive Certainty" status | | |
| E | Were all analytical QC performance standards and recommendations under MCP for the specified methods achieved? | Yes |
| F | Were results for all analyte-list compounds/elements for the specified method(s) reported? | Yes |

[1] Refer to the analysis-specific comments on the Analysis Report and the QC Summary for information regarding negative responses.

[2] Refer to the comments on the Analysis Report for information regarding other sample receipt issues.

I, the undersigned, attest under the pains and penalties of perjury that the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Barbara F. Reedy
Senior Specialist

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Lancaster Laboratories Sample No. SW 5092338**

**MW-201 (12-14')** **Soil**
**88-90 South Maple St-Westfield, MA**
**DUNS# 03745593 COC: MW-201 (12-14')**
Collected:06/25/2007 09:30 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45
Reported: 07/09/2007 at 09:34
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.
Hartwell Business Park
127 Hartwell Street
West Boylston MA 01583

MW201

| CAT No. | Analysis Name | CAS Number | Dry Result | Dry Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 00111 | Moisture | n.a. | 7.3 | 0.50 | % | 1 |
| | "Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis. | | | | | |
| 08765 | MA - VPH soils | | | | | |
| 08766 | Benzene | 71-43-2 | N.D. | 0.04 | mg/kg | 34.2 |
| 08767 | Toluene | 108-88-3 | N.D. | 0.04 | mg/kg | 34.2 |
| 08768 | Ethylbenzene | 100-41-4 | 0.5 | 0.04 | mg/kg | 34.2 |
| 08769 | m,p-Xylenes | n.a. | 0.3 | 0.04 | mg/kg | 34.2 |
| 08770 | o-Xylene | 95-47-6 | 0.2 | 0.04 | mg/kg | 34.2 |
| 08771 | Methyl t-butyl ether | 1634-04-4 | N.D. | 0.04 | mg/kg | 34.2 |
| 08772 | Naphthalene | 91-20-3 | 1.59 | 0.04 | mg/kg | 34.2 |
| 08773 | C5-C8 Aliphatic Hydrocarbons | n.a. | 4.95 | 1.84 | mg/kg | 34.2 |
| 08774 | C9-C12 Aliphatic Hydrocarbons | n.a. | 97.2 | 1.84 | mg/kg | 34.2 |
| 08775 | C9-C10 Aromatic Hydrocarbons | n.a. | 54.4 | 1.84 | mg/kg | 34.2 |
| 08840 | Unadjusted C5-C8 Aliphatics | n.a. | 4.98 | 1.84 | mg/kg | 34.2 |
| 08841 | Unadjusted C9-C12 Aliphatics | n.a. | 153. | 1.84 | mg/kg | 34.2 |
| 01216 | PCBs in Solids | | | | | |
| 01495 | PCB-1016 | 12674-11-2 | N.D. | 3.6 | ug/kg | 1 |
| 01496 | PCB-1221 | 11104-28-2 | N.D. | 5.6 | ug/kg | 1 |
| 01497 | PCB-1232 | 11141-16-5 | N.D. | 3.6 | ug/kg | 1 |
| 01498 | PCB-1242 | 53469-21-9 | N.D. | 3.6 | ug/kg | 1 |
| 01499 | PCB-1248 | 12672-29-6 | N.D. | 3.6 | ug/kg | 1 |
| 01500 | PCB-1254 | 11097-69-1 | N.D. | 3.6 | ug/kg | 1 |
| 01501 | PCB-1260 | 11096-82-5 | N.D. | 3.6 | ug/kg | 1 |

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

# Analysis Report

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**Lancaster Laboratories Sample No. SW 5092338**

**MW-201 (12-14')** **Soil**
**88-90 South Maple St-Westfield, MA**
**DUNS# 03745593 COC: MW-201 (12-14')**
Collected:06/25/2007 09:30 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45
Reported: 07/09/2007 at 09:34
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.
Hartwell Business Park
127 Hartwell Street
West Boylston MA 01583

MW201

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 00111 | Moisture | EPA 160.3 modified | 1 | 06/29/2007 17:52 | Scott W Freisher | 1 |
| 08765 | MA - VPH soils | MA DEP VPH 5/04 | 1 | 07/05/2007 11:39 | K. Robert Caulfeild-James | 34.2 |
| 01216 | PCBs in Solids | SW-846 8082 | 1 | 07/05/2007 14:31 | Hai D Nguyen | 1 |
| 00388 | GC - Field Preserved (MA-VPH) | MA DEP VPH modified | 1 | 06/25/2007 09:30 | Client Supplied | 1 |
| 00388 | GC - Field Preserved (MA-VPH) | MA DEP VPH modified | 2 | 06/25/2007 09:30 | Client Supplied | 1 |
| 00819 | Solid Sample Pesticide Extract | SW-846 3550B | 1 | 07/03/2007 23:05 | Karen L Beyer | 1 |

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# Analysis Report



**Lancaster Laboratories Sample No. SW 5092339**

**MW-202 (12-14')** **Soil**
**88-90 South Maple St-Westfield, MA**
**DUNS# 03745593 COC: MW-202 (12-14')**
Collected:06/25/2007 10:45 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45
Reported: 07/09/2007 at 09:35
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.
Hartwell Business Park
127 Hartwell Street
West Boylston MA 01583

MW202

| CAT No. | Analysis Name | CAS Number | Dry Result | Dry Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 00111 | Moisture | n.a. | 8.2 | 0.50 | % | 1 |
| | "Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis. | | | | | |
| 08765 | MA - VPH soils | | | | | |
| 08766 | Benzene | 71-43-2 | N.D. | 0.03 | mg/kg | 28.6 |
| 08767 | Toluene | 108-88-3 | N.D. | 0.03 | mg/kg | 28.6 |
| 08768 | Ethylbenzene | 100-41-4 | N.D. | 0.03 | mg/kg | 28.6 |
| 08769 | m,p-Xylenes | n.a. | N.D. | 0.03 | mg/kg | 28.6 |
| 08770 | o-Xylene | 95-47-6 | N.D. | 0.03 | mg/kg | 28.6 |
| 08771 | Methyl t-butyl ether | 1634-04-4 | N.D. | 0.03 | mg/kg | 28.6 |
| 08772 | Naphthalene | 91-20-3 | 0.05 J | 0.03 | mg/kg | 28.6 |
| 08773 | C5-C8 Aliphatic Hydrocarbons | n.a. | N.D. | 1.56 | mg/kg | 28.6 |
| 08774 | C9-C12 Aliphatic Hydrocarbons | n.a. | N.D. | 1.56 | mg/kg | 28.6 |
| 08775 | C9-C10 Aromatic Hydrocarbons | n.a. | N.D. | 1.56 | mg/kg | 28.6 |
| 08840 | Unadjusted C5-C8 Aliphatics | n.a. | N.D. | 1.56 | mg/kg | 28.6 |
| 08841 | Unadjusted C9-C12 Aliphatics | n.a. | N.D. | 1.56 | mg/kg | 28.6 |
| | The concentration of napthalene is most likely due to carryover from the previous sample. It is above the MDL of 0.03 mg/kg but below the LOQ of 0.06 mg/kg. | | | | | |
| 01216 | PCBs in Solids | | | | | |
| 01495 | PCB-1016 | 12674-11-2 | N.D. | 3.6 | ug/kg | 1 |
| 01496 | PCB-1221 | 11104-28-2 | N.D. | 5.7 | ug/kg | 1 |
| 01497 | PCB-1232 | 11141-16-5 | N.D. | 3.6 | ug/kg | 1 |
| 01498 | PCB-1242 | 53469-21-9 | N.D. | 3.6 | ug/kg | 1 |
| 01499 | PCB-1248 | 12672-29-6 | N.D. | 3.6 | ug/kg | 1 |
| 01500 | PCB-1254 | 11097-69-1 | N.D. | 3.6 | ug/kg | 1 |
| 01501 | PCB-1260 | 11096-82-5 | N.D. | 3.6 | ug/kg | 1 |

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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# Analysis Report



**Lancaster Laboratories Sample No. SW 5092339**

**MW-202 (12-14')** **Soil**
**88-90 South Maple St-Westfield, MA**
**DUNS# 03745593 COC: MW-202 (12-14')**
Collected:06/25/2007 10:45 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45
Reported: 07/09/2007 at 09:35
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.
Hartwell Business Park
127 Hartwell Street
West Boylston MA 01583

MW202

## Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 00111 | Moisture | EPA 160.3 modified | 1 | 06/29/2007 17:52 | Scott W Freisher | 1 |
| 08765 | MA - VPH soils | MA DEP VPH 5/04 | 1 | 07/05/2007 12:21 | K. Robert Caulfeild-James | 28.6 |
| 01216 | PCBs in Solids | SW-846 8082 | 1 | 07/05/2007 15:36 | Hai D Nguyen | 1 |
| 00388 | GC - Field Preserved (MA-VPH) | MA DEP VPH modified | 1 | 06/25/2007 10:45 | Client Supplied | 1 |
| 00388 | GC - Field Preserved (MA-VPH) | MA DEP VPH modified | 2 | 06/25/2007 10:45 | Client Supplied | 1 |
| 00819 | Solid Sample Pesticide Extract | SW-846 3550B | 1 | 07/03/2007 23:05 | Karen L Beyer | 1 |

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# Analysis Report



**Lancaster Laboratories Sample No. SW 5092340**

**MW-203 (10-12')** **Soil**
**88-90 South Maple St-Westfield, MA**
**DUNS# 03745593 COC: MW-203 (10-12')**
Collected:06/25/2007 13:15 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45
Reported: 07/09/2007 at 09:35
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.
Hartwell Business Park
127 Hartwell Street
West Boylston MA 01583

MW203

| CAT No. | Analysis Name | CAS Number | Dry Result | Dry Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 00111 | Moisture | n.a. | 2.8 | 0.50 | % | 1 |
| | "Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis. | | | | | |
| 08765 | MA - VPH soils | | | | | |
| 08766 | Benzene | 71-43-2 | N.D. | 0.03 | mg/kg | 27.1 |
| 08767 | Toluene | 108-88-3 | N.D. | 0.03 | mg/kg | 27.1 |
| 08768 | Ethylbenzene | 100-41-4 | N.D. | 0.03 | mg/kg | 27.1 |
| 08769 | m,p-Xylenes | n.a. | N.D. | 0.03 | mg/kg | 27.1 |
| 08770 | o-Xylene | 95-47-6 | N.D. | 0.03 | mg/kg | 27.1 |
| 08771 | Methyl t-butyl ether | 1634-04-4 | N.D. | 0.03 | mg/kg | 27.1 |
| 08772 | Naphthalene | 91-20-3 | N.D. | 0.03 | mg/kg | 27.1 |
| 08773 | C5-C8 Aliphatic Hydrocarbons | n.a. | N.D. | 1.39 | mg/kg | 27.1 |
| 08774 | C9-C12 Aliphatic Hydrocarbons | n.a. | N.D. | 1.39 | mg/kg | 27.1 |
| 08775 | C9-C10 Aromatic Hydrocarbons | n.a. | N.D. | 1.39 | mg/kg | 27.1 |
| 08840 | Unadjusted C5-C8 Aliphatics | n.a. | N.D. | 1.39 | mg/kg | 27.1 |
| 08841 | Unadjusted C9-C12 Aliphatics | n.a. | N.D. | 1.39 | mg/kg | 27.1 |
| 01216 | PCBs in Solids | | | | | |
| 01495 | PCB-1016 | 12674-11-2 | N.D. | 3.4 | ug/kg | 1 |
| 01496 | PCB-1221 | 11104-28-2 | N.D. | 5.3 | ug/kg | 1 |
| 01497 | PCB-1232 | 11141-16-5 | N.D. | 3.4 | ug/kg | 1 |
| 01498 | PCB-1242 | 53469-21-9 | N.D. | 3.4 | ug/kg | 1 |
| 01499 | PCB-1248 | 12672-29-6 | N.D. | 3.4 | ug/kg | 1 |
| 01500 | PCB-1254 | 11097-69-1 | N.D. | 3.4 | ug/kg | 1 |
| 01501 | PCB-1260 | 11096-82-5 | N.D. | 3.4 | ug/kg | 1 |

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

# Analysis Report

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**Lancaster Laboratories Sample No. SW 5092340**

**MW-203 (10-12')** **Soil**
**88-90 South Maple St-Westfield, MA**
**DUNS# 03745593 COC: MW-203 (10-12')**
Collected:06/25/2007 13:15 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45
Reported: 07/09/2007 at 09:35
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.
Hartwell Business Park
127 Hartwell Street
West Boylston MA 01583

MW203

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 00111 | Moisture | EPA 160.3 modified | 1 | 06/29/2007 17:52 | Scott W Freisher | 1 |
| 08765 | MA - VPH soils | MA DEP VPH 5/04 | 1 | 07/05/2007 13:03 | K. Robert Caulfeild-James | 27.1 |
| 01216 | PCBs in Solids | SW-846 8082 | 1 | 07/05/2007 15:57 | Hai D Nguyen | 1 |
| 00388 | GC - Field Preserved (MA-VPH) | MA DEP VPH modified | 1 | 06/25/2007 13:15 | Client Supplied | 1 |
| 00388 | GC - Field Preserved (MA-VPH) | MA DEP VPH modified | 2 | 06/25/2007 13:15 | Client Supplied | 1 |
| 00819 | Solid Sample Pesticide Extract | SW-846 3550B | 1 | 07/03/2007 23:05 | Karen L Beyer | 1 |

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# Analysis Report



**Lancaster Laboratories Sample No. SW 5092341**

**MW-204 (10-12')** **Soil**
**88-90 South Maple St-Westfield, MA**
**DUNS# 03745593 COC: MW-204 (10-12')**
Collected:06/25/2007 12:15 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45
Reported: 07/09/2007 at 09:35
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.
Hartwell Business Park
127 Hartwell Street
West Boylston MA 01583

MW204

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 00111 | Moisture | n.a. | 8.9 | | 0.50 | % | 1 |
| | "Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis. | | | | | | |
| 08765 | MA - VPH soils | | | | | | |
| 08766 | Benzene | 71-43-2 | N.D. | | 0.04 | mg/kg | 31.8 |
| 08767 | Toluene | 108-88-3 | N.D. | | 0.04 | mg/kg | 31.8 |
| 08768 | Ethylbenzene | 100-41-4 | N.D. | | 0.04 | mg/kg | 31.8 |
| 08769 | m,p-Xylenes | n.a. | N.D. | | 0.04 | mg/kg | 31.8 |
| 08770 | o-Xylene | 95-47-6 | N.D. | | 0.04 | mg/kg | 31.8 |
| 08771 | Methyl t-butyl ether | 1634-04-4 | N.D. | | 0.04 | mg/kg | 31.8 |
| 08772 | Naphthalene | 91-20-3 | N.D. | | 0.04 | mg/kg | 31.8 |
| 08773 | C5-C8 Aliphatic Hydrocarbons | n.a. | N.D. | | 1.75 | mg/kg | 31.8 |
| 08774 | C9-C12 Aliphatic Hydrocarbons | n.a. | N.D. | | 1.75 | mg/kg | 31.8 |
| 08775 | C9-C10 Aromatic Hydrocarbons | n.a. | N.D. | | 1.75 | mg/kg | 31.8 |
| 08840 | Unadjusted C5-C8 Aliphatics | n.a. | N.D. | | 1.75 | mg/kg | 31.8 |
| 08841 | Unadjusted C9-C12 Aliphatics | n.a. | N.D. | | 1.75 | mg/kg | 31.8 |
| 01216 | PCBs in Solids | | | | | | |
| 01495 | PCB-1016 | 12674-11-2 | N.D. | | 3.6 | ug/kg | 1 |
| 01496 | PCB-1221 | 11104-28-2 | N.D. | | 5.7 | ug/kg | 1 |
| 01497 | PCB-1232 | 11141-16-5 | N.D. | | 3.6 | ug/kg | 1 |
| 01498 | PCB-1242 | 53469-21-9 | N.D. | | 3.6 | ug/kg | 1 |
| 01499 | PCB-1248 | 12672-29-6 | N.D. | | 3.6 | ug/kg | 1 |
| 01500 | PCB-1254 | 11097-69-1 | 9.6 | J | 3.6 | ug/kg | 1 |
| 01501 | PCB-1260 | 11096-82-5 | N.D. | | 3.6 | ug/kg | 1 |

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

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# Analysis Report



**Lancaster Laboratories Sample No. SW 5092341**

**MW-204 (10-12')** **Soil**
**88-90 South Maple St-Westfield, MA**
**DUNS# 03745593 COC: MW-204 (10-12')**
Collected:06/25/2007 12:15 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45
Reported: 07/09/2007 at 09:35
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.
Hartwell Business Park
127 Hartwell Street
West Boylston MA 01583

MW204

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 00111 | Moisture | EPA 160.3 modified | 1 | 06/29/2007 17:52 | Scott W Freisher | 1 |
| 08765 | MA - VPH soils | MA DEP VPH 5/04 | 1 | 07/05/2007 13:45 | K. Robert Caulfeild-James | 31.8 |
| 01216 | PCBs in Solids | SW-846 8082 | 1 | 07/05/2007 16:19 | Mark E McNulty | 1 |
| 00388 | GC - Field Preserved (MA-VPH) | MA DEP VPH modified | 1 | 06/25/2007 12:15 | Client Supplied | 1 |
| 00388 | GC - Field Preserved (MA-VPH) | MA DEP VPH modified | 2 | 06/25/2007 12:15 | Client Supplied | 1 |
| 00819 | Solid Sample Pesticide Extract | SW-846 3550B | 1 | 07/03/2007 23:05 | Karen L Beyer | 1 |

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# Analysis Report



## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc. Group Number: 1044781
Reported: 07/09/07 at 09:35 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: 07180820002A | Sample number(s): 5092339-5092341 | | | | | | | |
| Moisture | | | | 100 | | 99-101 | | |
| Batch number: 07180820002B | Sample number(s): 5092338 | | | | | | | |
| Moisture | | | | 100 | | 99-101 | | |
| Batch number: 07182A01B | Sample number(s): 5092338-5092341 | | | | | | | |
| Benzene | N.D. | 0.05 | mg/kg | 114 | 115 | 70-130 | 1 | 50 |
| Toluene | N.D. | 0.05 | mg/kg | 116 | 117 | 70-130 | 1 | 50 |
| Ethylbenzene | N.D. | 0.05 | mg/kg | 118 | 118 | 70-130 | 0 | 50 |
| m,p-Xylenes | N.D. | 0.05 | mg/kg | 121 | 122 | 70-130 | 1 | 50 |
| o-Xylene | N.D. | 0.05 | mg/kg | 114 | 114 | 70-130 | 1 | 50 |
| Methyl t-butyl ether | N.D. | 0.05 | mg/kg | 114 | 114 | 70-130 | 0 | 50 |
| Naphthalene | N.D. | 0.05 | mg/kg | 116 | 119 | 70-130 | 3 | 50 |
| C5-C8 Aliphatic Hydrocarbons | N.D. | 2.50 | mg/kg | 76 | 74 | 70-130 | 2 | 50 |
| C9-C12 Aliphatic Hydrocarbons | N.D. | 2.50 | mg/kg | 73 | 73 | 70-130 | 0 | 50 |
| C9-C10 Aromatic Hydrocarbons | N.D. | 2.50 | mg/kg | 120 | 121 | 70-130 | 0 | 50 |
| Unadjusted C5-C8 Aliphatics | N.D. | 2.50 | mg/kg | 95 | 95 | 70-130 | 1 | 50 |
| Unadjusted C9-C12 Aliphatics | N.D. | 2.50 | mg/kg | 102 | 102 | 70-130 | 0 | 50 |
| Batch number: 071840018A | Sample number(s): 5092338-5092341 | | | | | | | |
| PCB-1016 | N.D. | 3.3 | ug/kg | 91 | | 72-120 | | |
| PCB-1221 | N.D. | 5.2 | ug/kg | | | | | |
| PCB-1232 | N.D. | 3.3 | ug/kg | | | | | |
| PCB-1242 | N.D. | 3.3 | ug/kg | | | | | |
| PCB-1248 | N.D. | 3.3 | ug/kg | | | | | |
| PCB-1254 | N.D. | 3.3 | ug/kg | | | | | |
| PCB-1260 | N.D. | 3.3 | ug/kg | 94 | | 65-137 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: 07180820002A | Sample number(s): 5092339-5092341 BKG: P091603 | | | | | | | | |
| Moisture | | | | | | 7.1 | 6.5 | 9 | 15 |
| Batch number: 07180820002B | Sample number(s): 5092338 BKG: P092137 | | | | | | | | |
| Moisture | | | | | | 17.4 | 18.0 | 4 | 15 |
| Batch number: 071840018A | Sample number(s): 5092338-5092341 UNSPK: 5092338 | | | | | | | | |
| PCB-1016 | 73 | 88 | 45-125 | 19 | 50 | | | | |
| PCB-1260 | 76 | 93 | 62-130 | 20 | 50 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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# Analysis Report



## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc. Group Number: 1044781
Reported: 07/09/07 at 09:35 AM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: MA - VPH soils
Batch number: 07182A01B

| | Trifluorotoluene-P | Trifluorotoluene-F |
|---|---|---|
| 5092338 | 95 | 104 |
| 5092339 | 86 | 77 |
| 5092340 | 102 | 88 |
| 5092341 | 97 | 83 |
| Blank | 111 | 95 |
| LCS | 110 | 90 |
| LCSD | 110 | 90 |
| Limits: | 70-130 | 70-130 |

Analysis Name: PCBs in Solids
Batch number: 071840018A

| | Tetrachloro-m-xylene | Decachlorobiphenyl |
|---|---|---|
| 5092338 | 85 | 105 |
| 5092339 | 93 | 109 |
| 5092340 | 93 | 111 |
| 5092341 | 93 | 112 |
| Blank | 92 | 108 |
| LCS | 90 | 111 |
| MS | 71 | 86 |
| MSD | 88 | 105 |
| Limits: | 53-139 | 53-142 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

acct 12140 grp 1044781 # 5092338-41

12140



# Chain of Custody Record

**Sunoco DUNS #:** 0374-5593
**Region:**
**State or Lead Regulatory Agency:** MADEP
**Requested Due Date (mm/dd/yy):**
**COC Tracking Number:**

| | |
|---|---|
| On-site Time: | Temp: |
| Off-site Time: | Temp: |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: | Direc |

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | Southern Petroleum Laboratories | Facility Address: | 88-90 South Maple Street | Consultant/Contractor: | CEA |
| Address: | 500 Ambassador Caffery Parkway | Facility City, State: | Westfield MA | Address: | 127 Hartwell Street |
| | Scott, LA 70583 | Site Lat/Long: | | | W. Boylston, MA 01583 |
| Lab PM: | | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | 4776-01 |
| Tele: 717-656-2300 | Fax: 717-656-2681 | Address: | 4 Bellows Rd, PO Box 1262, | Consultant/Contractor PM: | Scott VanderSea |
| Report Type & QC Level: | MADEP | Westborough, MA 01581 | | Tele/Fax: | (508) 835-8822 |
| E-mail EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (800) 777-6444 x1357 (866) 257-9205 | Invoice to: | |

**Lab Bottle Order No:**

| Item No. | Sample Description | Time | Date | Matrix: Liquid | Matrix: Soil | Laboratory No. | No. of Containers | Preservative: MeOH | Preservative: None | Requested Analysis: VPH | Requested Analysis: PCBs | Requested Analysis: % Solid | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-201 (12-14') | 9:30 | 6/25 | | x | | 3 | 2 | 1 | x | x | x | |
| 2 | MW-202 (12-14') | 10:45 | 6/25 | | x | | 3 | 2 | 1 | x | x | x | |
| 3 | MW - 203 (10-12') | 1:15 | 6/25 | | x | | 3 | 2 | 1 | x | x | x | |
| 4 | MW-204 (10-12') | 12:15 | 6/25 | | x | | 3 | 2 | 1 | x | x | x | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| Sampler's Name: | Adam Guaraldi | | | | | | |
| Sampler's Company: | CEA | [signature] | 6/25 | 6:00pm | | | |
| Shipment Date: | 6/26/2007 | | | | | | |
| Shipment Method: | FedEX | | | | | | |
| Shipment Tracking No: | | | | | [signature] | 6/27/07 | 0945 |

**Special Instructions:**

**Must meet MADEP GW-1 Groundwater Standards, Email laboratory analytical report to dazukauskas@cea-inc.com**

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt 6.8-9.6 °F/C Trip Blank Yes No

Lancaster Laboratories

# Case Narrative

Project Name: 03745593 88-90 South Maple Street-Westfield, MA
LLI Group #: 1044781

**General Comments:**
See the Laboratory Chronicle section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted below.

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

**Analysis Specific Comments:**

5092339
The concentration of napthalene is most likely due to carryover from the previous sample. It is above the MDL of 0.03 mg/kg but below the LOQ of 0.06 mg/kg.

# Lancaster Laboratories
# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **N.D.** | none detected | **BMQL** | Below Minimum Quantitation Level |
| **TNTC** | Too Numerous To Count | **MPN** | Most Probable Number |
| **IU** | International Units | **CP Units** | cobalt-chloroplatinate units |
| **umhos/cm** | micromhos/cm | **NTU** | nephelometric turbidity units |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **Cal** | (diet) calories | **lb.** | pound(s) |
| **meq** | milliequivalents | **kg** | kilogram(s) |
| **g** | gram(s) | **mg** | milligram(s) |
| **ug** | microgram(s) | **l** | liter(s) |
| **ml** | milliliter(s) | **ul** | microliter(s) |
| **m3** | cubic meter(s) | **fib >5 um/ml** | fibers greater than 5 microns in length per ml |

**<** less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

*U.S. EPA data qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quatitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **J** | Estimated value |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike amount not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY –** In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

## Case Narrative for:

# SUNOCO, INC

## Certificate of Analysis Number:

## 07031143

| | | | |
|---|---|---|---|
| **Report To:** | | **Project Name:** | **WESTFIELD, MA** |
| **CORPORATE ENVIRONMENTAL ADVISORS, INC.** | | **Site:** | **SUNOCO DUNS #0374-5593** |
| **ADAM GUARALDI** | | **Site Address:** | **88-90 SOUTH MAPLE STREET** |
| **127 HARTWELL ST.** | | | **WESTFIELD MA** |
| **WEST BOYLESTON** | | **PO Number:** | |
| **MA** | | **State:** | **Massachusetts** |
| **01583-** | | **State Cert. No.:** | **M-LA013** |
| **ph: (508) 835-8822** | **fax:** | **Date Reported:** | **4/17/2007** |

NOTE:
All samples submitted forr VPH analysis by MADEP VPH were collected in Methanol (Method 5035), however the sample to solvent ratio was not 1:1. There was approximately 50 gr of soil sample per 5035 jar, and 25 mL of methanol. This high amount of sample is reflected in the Prep Factor and the reporting limit for each sample.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC). Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry. The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples. The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: _____ PAGES

4/17/2007

Alberto E. Granados
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

PDF created with pdfFactory Pro trial version www.pdffactory.com

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# SUNOCO, INC

## Certificate of Analysis Number:

## 07031143

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.
ADAM GUARALDI
127 HARTWELL ST.

WEST BOYLESTON
MA
01583-
ph: (508) 835-8822 fax:

**Fax To:**

**Project Name:** WESTFIELD, MA
**Site:** SUNOCO DUNS #0374-5593
**Site Address:** 88-90 SOUTH MAPLE STREET
WESTFIELD MA
**PO Number:**
**State:** Massachusetts
**State Cert. No.:** M-LA013
**Date Reported:** 4/17/2007

| Client Sample ID | Lab Sample ID | Matrix | Date Collected | Date Received | COC ID | HOLD |
|---|---|---|---|---|---|---|
| MW-101 (15') | 07031143-01 | Soil | 3/28/2007 9:30:00 AM | 3/30/2007 9:30:00 AM | | ☐ |
| MW-102 (15') | 07031143-02 | Soil | 3/28/2007 10:30:00 AM | 3/30/2007 9:30:00 AM | | ☐ |
| MW-103 (15') | 07031143-03 | Soil | 3/28/2007 11:00:00 AM | 3/30/2007 9:30:00 AM | | ☐ |
| SB-1 (14') | 07031143-04 | Soil | 3/28/2007 11:30:00 AM | 3/30/2007 9:30:00 AM | | ☐ |
| SB-2 (14') | 07031143-05 | Soil | 3/28/2007 12:30:00 PM | 3/30/2007 9:30:00 AM | | ☐ |
| SB-3 (13') | 07031143-06 | Soil | 3/28/2007 1:30:00 PM | 3/30/2007 9:30:00 AM | | ☐ |
| SB-4 (13') | 07031143-07 | Soil | 3/28/2007 2:30:00 PM | 3/30/2007 9:30:00 AM | | ☐ |

4/17/2007
Date

Alberto E. Granados
Project Manager

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** MW-101 (15') **Collected:** 03/28/2007 9:30 **SPL Sample ID:** 07031143-01

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 9 | | | 0.1 | 1 | 04/02/07 9:23 | RDH | 2165872 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND | | | 0.036 | 1 | 04/03/07 21:08 | RAH | 2170002 |
| Aroclor 1221 | ND | | | 0.036 | 1 | 04/03/07 21:08 | RAH | 2170002 |
| Aroclor 1232 | ND | | | 0.036 | 1 | 04/03/07 21:08 | RAH | 2170002 |
| Aroclor 1242 | ND | | | 0.036 | 1 | 04/03/07 21:08 | RAH | 2170002 |
| Aroclor 1248 | ND | | | 0.036 | 1 | 04/03/07 21:08 | RAH | 2170002 |
| Aroclor 1254 | ND | | | 0.036 | 1 | 04/03/07 21:08 | RAH | 2170002 |
| Aroclor 1260 | ND | | | 0.036 | 1 | 04/03/07 21:08 | RAH | 2170002 |
| Surr: Decachlorobiphenyl | 84.2 | | % | 34-138 | 1 | 04/03/07 21:08 | RAH | 2170002 |
| Surr: Tetrachloro-m-xylene | 141 | MI | % | 16-127 | 1 | 04/03/07 21:08 | RAH | 2170002 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550B | 04/02/2007 14:48 | JAP | 1.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **VOLATILE PETROLEUM HYDROCARBONS - SOIL** | | | | | **MCL _VPH_EPH_ALL** | | **Units: ug/Kg-dry** | |
| Benzene | 70 | | | 23 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| Toluene | 190 | | | 23 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| Ethylbenzene | ND | | | 23 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| m,p-Xylene | 58 | | | 47 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| o-Xylene | ND | | | 23 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| Methyl tert-butyl ether | ND | | | 190 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| Naphthalene | ND | | | 230 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| C5-C8 Aliphatics (Unadjusted) | ND | | | 4700 | 50 | 04/10/07 19:39 | RRH | 2176290 |
| C9-C12 Aliphatics (Unadjusted) | ND | | | 2300 | 50 | 04/10/07 19:39 | RRH | 2176290 |
| C9-C10 Aromatics | ND | | | 700 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| C5-C8 Aliphatics (Adjusted) | ND | | | 4700 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| C9-C12 Aliphatics (Adjusted) | ND | | | 2300 | 50 | 04/10/07 19:39 | RRH | 2176289 |
| Surr: 2,5-Dibromotoluene | 107 | | % | 70-130 | 50 | 04/10/07 19:39 | RRH | 2176290 |
| Surr: 2,5-Dibromotoluene | 103 | | % | 70-130 | 50 | 04/10/07 19:39 | RRH | 2176289 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW8015B | 03/28/2007 9:30 | Field | 0.43 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** MW-102 (15') **Collected:** 03/28/2007 10:30 **SPL Sample ID:** 07031143-02

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | 0.1 | 1 | 04/02/07 9:23 | RDH | 2165871 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND | | 0.037 | 1 | 04/03/07 21:25 | RAH | 2170003 |
| Aroclor 1221 | ND | | 0.037 | 1 | 04/03/07 21:25 | RAH | 2170003 |
| Aroclor 1232 | ND | | 0.037 | 1 | 04/03/07 21:25 | RAH | 2170003 |
| Aroclor 1242 | ND | | 0.037 | 1 | 04/03/07 21:25 | RAH | 2170003 |
| Aroclor 1248 | ND | | 0.037 | 1 | 04/03/07 21:25 | RAH | 2170003 |
| Aroclor 1254 | ND | | 0.037 | 1 | 04/03/07 21:25 | RAH | 2170003 |
| Aroclor 1260 | ND | | 0.037 | 1 | 04/03/07 21:25 | RAH | 2170003 |
| Surr: Decachlorobiphenyl | 79.4 | | % 34-138 | 1 | 04/03/07 21:25 | RAH | 2170003 |
| Surr: Tetrachloro-m-xylene | 67.9 | | % 16-127 | 1 | 04/03/07 21:25 | RAH | 2170003 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550B | 04/02/2007 14:48 | JAP | 1.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **VOLATILE PETROLEUM HYDROCARBONS - SOIL** | | | | **MCL _VPH_EPH_ALL** | | **Units: ug/Kg-dry** | |
| Benzene | ND | | 28 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| Toluene | ND | | 28 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| Ethylbenzene | ND | | 28 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| m,p-Xylene | ND | | 56 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| o-Xylene | ND | | 28 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| Methyl tert-butyl ether | ND | | 220 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| Naphthalene | ND | | 280 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| C5-C8 Aliphatics (Unadjusted) | ND | | 5600 | 50 | 04/10/07 16:42 | RRH | 2176211 |
| C9-C12 Aliphatics (Unadjusted) | ND | | 2800 | 50 | 04/10/07 16:42 | RRH | 2176211 |
| C9-C10 Aromatics | ND | | 840 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| C5-C8 Aliphatics (Adjusted) | ND | | 5600 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| C9-C12 Aliphatics (Adjusted) | ND | | 2800 | 50 | 04/10/07 16:42 | RRH | 2176210 |
| Surr: 2,5-Dibromotoluene | 114 | | % 70-130 | 50 | 04/10/07 16:42 | RRH | 2176211 |
| Surr: 2,5-Dibromotoluene | 109 | | % 70-130 | 50 | 04/10/07 16:42 | RRH | 2176210 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW8015B | 03/28/2007 10:30 | Field | 0.50 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** MW-103 (15') **Collected:** 03/28/2007 11:00 **SPL Sample ID:** 07031143-03

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 11 | | | 0.1 | 1 | 04/02/07 9:23 | RDH | 2165870 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND | | | 0.037 | 1 | 04/03/07 21:43 | RAH | 2170004 |
| Aroclor 1221 | ND | | | 0.037 | 1 | 04/03/07 21:43 | RAH | 2170004 |
| Aroclor 1232 | ND | | | 0.037 | 1 | 04/03/07 21:43 | RAH | 2170004 |
| Aroclor 1242 | ND | | | 0.037 | 1 | 04/03/07 21:43 | RAH | 2170004 |
| Aroclor 1248 | ND | | | 0.037 | 1 | 04/03/07 21:43 | RAH | 2170004 |
| Aroclor 1254 | ND | | | 0.037 | 1 | 04/03/07 21:43 | RAH | 2170004 |
| Aroclor 1260 | ND | | | 0.037 | 1 | 04/03/07 21:43 | RAH | 2170004 |
| Surr: Decachlorobiphenyl | 85.2 | | % | 34-138 | 1 | 04/03/07 21:43 | RAH | 2170004 |
| Surr: Tetrachloro-m-xylene | 70.3 | | % | 16-127 | 1 | 04/03/07 21:43 | RAH | 2170004 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550B | 04/02/2007 14:48 | JAP | 1.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **VOLATILE PETROLEUM HYDROCARBONS - SOIL** | | | | | **MCL _VPH_EPH_ALL** | | **Units: ug/Kg-dry** | |
| Benzene | 61 | | | 26 | 50 | 04/10/07 17:12 | RRH | 2176212 |
| Toluene | 220 | | | 26 | 50 | 04/10/07 17:12 | RRH | 2176212 |
| Ethylbenzene | 880 | | | 26 | 50 | 04/10/07 17:12 | RRH | 2176212 |
| m,p-Xylene | 1000 | | | 51 | 50 | 04/10/07 17:12 | RRH | 2176212 |
| o-Xylene | 1800 | | | 26 | 50 | 04/10/07 17:12 | RRH | 2176212 |
| Methyl tert-butyl ether | ND | | | 200 | 50 | 04/10/07 17:12 | RRH | 2176212 |
| Naphthalene | 2800 | | | 260 | 50 | 04/10/07 17:12 | RRH | 2176212 |
| C5-C8 Aliphatics (Unadjusted) | 64000 | | | 51000 | 500 | 04/11/07 12:03 | RRH | 2176227 |
| C9-C12 Aliphatics (Unadjusted) | 290000 | | | 26000 | 500 | 04/11/07 12:03 | RRH | 2176227 |
| C9-C10 Aromatics | 140000 | | | 7700 | 500 | 04/11/07 12:03 | RRH | 2176226 |
| C5-C8 Aliphatics (Adjusted) | 72000 | | | 51000 | 500 | 04/11/07 12:03 | RRH | 2176226 |
| C9-C12 Aliphatics (Adjusted) | 170000 | | | 26000 | 500 | 04/11/07 12:03 | RRH | 2176226 |
| Surr: 2,5-Dibromotoluene | 153 | MI | % | 70-130 | 500 | 04/11/07 12:03 | RRH | 2176227 |
| Surr: 2,5-Dibromotoluene | 130 | | % | 70-130 | 500 | 04/11/07 12:03 | RRH | 2176226 |
| Surr: 2,5-Dibromotoluene | 271 | MI | % | 70-130 | 50 | 04/10/07 17:12 | RRH | 2176212 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW8015B | 03/28/2007 11:00 | Field | 0.46 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-1 (14') **Collected:** 03/28/2007 11:30 **SPL Sample ID:** 07031143-04

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 6.1 | | 0.1 | 1 | 04/02/07 9:23 | RDH | 2165869 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND | | 0.035 | 1 | 04/03/07 22:00 | RAH | 2170012 |
| Aroclor 1221 | ND | | 0.035 | 1 | 04/03/07 22:00 | RAH | 2170012 |
| Aroclor 1232 | ND | | 0.035 | 1 | 04/03/07 22:00 | RAH | 2170012 |
| Aroclor 1242 | ND | | 0.035 | 1 | 04/03/07 22:00 | RAH | 2170012 |
| Aroclor 1248 | 0.33 | | 0.035 | 1 | 04/03/07 22:00 | RAH | 2170012 |
| Aroclor 1254 | ND | | 0.035 | 1 | 04/03/07 22:00 | RAH | 2170012 |
| Aroclor 1260 | ND | | 0.035 | 1 | 04/03/07 22:00 | RAH | 2170012 |
| Surr: Decachlorobiphenyl | 89.4 | | % 34-138 | 1 | 04/03/07 22:00 | RAH | 2170012 |
| Surr: Tetrachloro-m-xylene | 75.2 | | % 16-127 | 1 | 04/03/07 22:00 | RAH | 2170012 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550B | 04/02/2007 14:48 | JAP | 1.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **VOLATILE PETROLEUM HYDROCARBONS - SOIL** | | | | **MCL _VPH_EPH_ALL** | | **Units: ug/Kg-dry** | |
| Benzene | 47 | | 26 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| Toluene | 150 | | 26 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| Ethylbenzene | 34 | | 26 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| m,p-Xylene | 71 | | 52 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| o-Xylene | 64 | | 26 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| Methyl tert-butyl ether | ND | | 210 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| Naphthalene | ND | | 260 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| C5-C8 Aliphatics (Unadjusted) | ND | | 5200 | 50 | 04/10/07 17:42 | RRH | 2176215 |
| C9-C12 Aliphatics (Unadjusted) | 4100 | | 2600 | 50 | 04/10/07 17:42 | RRH | 2176215 |
| C9-C10 Aromatics | 1300 | | 780 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| C5-C8 Aliphatics (Adjusted) | ND | | 5200 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| C9-C12 Aliphatics (Adjusted) | 2800 | | 2600 | 50 | 04/10/07 17:42 | RRH | 2176214 |
| Surr: 2,5-Dibromotoluene | 118 | | % 70-130 | 50 | 04/10/07 17:42 | RRH | 2176215 |
| Surr: 2,5-Dibromotoluene | 102 | | % 70-130 | 50 | 04/10/07 17:42 | RRH | 2176214 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW8015B | 03/28/2007 11:30 | Field | 0.49 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-2 (14') **Collected:** 03/28/2007 12:30 **SPL Sample ID:** 07031143-05

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 4.1 | | 0.1 | 1 | 04/02/07 9:23 | RDH | 2165868 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND | | 0.034 | 1 | 04/03/07 22:36 | RAH | 2170008 |
| Aroclor 1221 | ND | | 0.034 | 1 | 04/03/07 22:36 | RAH | 2170008 |
| Aroclor 1232 | ND | | 0.034 | 1 | 04/03/07 22:36 | RAH | 2170008 |
| Aroclor 1242 | ND | | 0.034 | 1 | 04/03/07 22:36 | RAH | 2170008 |
| Aroclor 1248 | ND | | 0.034 | 1 | 04/03/07 22:36 | RAH | 2170008 |
| Aroclor 1254 | ND | | 0.034 | 1 | 04/03/07 22:36 | RAH | 2170008 |
| Aroclor 1260 | ND | | 0.034 | 1 | 04/03/07 22:36 | RAH | 2170008 |
| Surr: Decachlorobiphenyl | 86.1 | | % 34-138 | 1 | 04/03/07 22:36 | RAH | 2170008 |
| Surr: Tetrachloro-m-xylene | 64.2 | | % 16-127 | 1 | 04/03/07 22:36 | RAH | 2170008 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550B | 04/02/2007 14:48 | JAP | 1.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **VOLATILE PETROLEUM HYDROCARBONS - SOIL** | | | | **MCL _VPH_EPH_ALL** | | **Units: ug/Kg-dry** | |
| Benzene | ND | | 23 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| Toluene | 46 | | 23 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| Ethylbenzene | ND | | 23 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| m,p-Xylene | ND | | 46 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| o-Xylene | ND | | 23 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| Methyl tert-butyl ether | ND | | 180 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| Naphthalene | ND | | 230 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| C5-C8 Aliphatics (Unadjusted) | ND | | 4600 | 50 | 04/10/07 18:11 | RRH | 2176217 |
| C9-C12 Aliphatics (Unadjusted) | ND | | 2300 | 50 | 04/10/07 18:11 | RRH | 2176217 |
| C9-C10 Aromatics | ND | | 690 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| C5-C8 Aliphatics (Adjusted) | ND | | 4600 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| C9-C12 Aliphatics (Adjusted) | ND | | 2300 | 50 | 04/10/07 18:11 | RRH | 2176216 |
| Surr: 2,5-Dibromotoluene | 112 | | % 70-130 | 50 | 04/10/07 18:11 | RRH | 2176217 |
| Surr: 2,5-Dibromotoluene | 108 | | % 70-130 | 50 | 04/10/07 18:11 | RRH | 2176216 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW8015B | 03/28/2007 12:30 | Field | 0.44 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-3 (13') **Collected:** 03/28/2007 13:30 **SPL Sample ID:** 07031143-06

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.8 | | 0.1 | 1 | 04/02/07 9:23 | RDH | 2165867 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND | | 0.036 | 1 | 04/03/07 22:53 | RAH | 2170009 |
| Aroclor 1221 | ND | | 0.036 | 1 | 04/03/07 22:53 | RAH | 2170009 |
| Aroclor 1232 | ND | | 0.036 | 1 | 04/03/07 22:53 | RAH | 2170009 |
| Aroclor 1242 | ND | | 0.036 | 1 | 04/03/07 22:53 | RAH | 2170009 |
| Aroclor 1248 | ND | | 0.036 | 1 | 04/03/07 22:53 | RAH | 2170009 |
| Aroclor 1254 | ND | | 0.036 | 1 | 04/03/07 22:53 | RAH | 2170009 |
| Aroclor 1260 | ND | | 0.036 | 1 | 04/03/07 22:53 | RAH | 2170009 |
| Surr: Decachlorobiphenyl | 84.2 | | % 34-138 | 1 | 04/03/07 22:53 | RAH | 2170009 |
| Surr: Tetrachloro-m-xylene | 67.0 | | % 16-127 | 1 | 04/03/07 22:53 | RAH | 2170009 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550B | 04/02/2007 14:48 | JAP | 1.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **VOLATILE PETROLEUM HYDROCARBONS - SOIL** | | | | **MCL _VPH_EPH_ALL** | | **Units: ug/Kg-dry** | |
| Benzene | 38 | | 25 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| Toluene | 120 | | 25 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| Ethylbenzene | ND | | 25 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| m,p-Xylene | ND | | 49 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| o-Xylene | ND | | 25 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| Methyl tert-butyl ether | ND | | 200 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| Naphthalene | ND | | 250 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| C5-C8 Aliphatics (Unadjusted) | ND | | 4900 | 50 | 04/10/07 18:40 | RRH | 2176219 |
| C9-C12 Aliphatics (Unadjusted) | ND | | 2500 | 50 | 04/10/07 18:40 | RRH | 2176219 |
| C9-C10 Aromatics | ND | | 740 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| C5-C8 Aliphatics (Adjusted) | ND | | 4900 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| C9-C12 Aliphatics (Adjusted) | ND | | 2500 | 50 | 04/10/07 18:40 | RRH | 2176218 |
| Surr: 2,5-Dibromotoluene | 107 | | % 70-130 | 50 | 04/10/07 18:40 | RRH | 2176219 |
| Surr: 2,5-Dibromotoluene | 104 | | % 70-130 | 50 | 04/10/07 18:40 | RRH | 2176218 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW8015B | 03/28/2007 13:30 | Field | 0.45 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

**Client Sample ID:** SB-4 (13') **Collected:** 03/28/2007 14:30 **SPL Sample ID:** 07031143-07

**Site: SUNOCO DUNS #0374-5593**

| Analyses/Method | Result | QUAL | Rep.Limit | Dil. Factor | Date Analyzed | Analyst | Seq. # |
|---|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | | | **MCL** | **D2216** | **Units: wt%** | |
| Percent Moisture | 8.8 | | 0.1 | 1 | 04/02/07 9:23 | RDH | 2165866 |
| **POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL** | | | | **MCL** | **SW8082** | **Units: mg/Kg-dry** | |
| Aroclor 1016 | ND | | 0.036 | 1 | 04/03/07 23:11 | RAH | 2170893 |
| Aroclor 1221 | ND | | 0.036 | 1 | 04/03/07 23:11 | RAH | 2170893 |
| Aroclor 1232 | ND | | 0.036 | 1 | 04/03/07 23:11 | RAH | 2170893 |
| Aroclor 1242 | ND | | 0.036 | 1 | 04/03/07 23:11 | RAH | 2170893 |
| Aroclor 1248 | 0.19 | | 0.036 | 1 | 04/03/07 23:11 | RAH | 2170893 |
| Aroclor 1254 | ND | | 0.036 | 1 | 04/03/07 23:11 | RAH | 2170893 |
| Aroclor 1260 | ND | | 0.036 | 1 | 04/03/07 23:11 | RAH | 2170893 |
| Surr: Decachlorobiphenyl | 80.3 | | % 34-138 | 1 | 04/03/07 23:11 | RAH | 2170893 |
| Surr: Tetrachloro-m-xylene | 74.5 | | % 16-127 | 1 | 04/03/07 23:11 | RAH | 2170893 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW3550B | 04/02/2007 14:48 | JAP | 1.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **VOLATILE PETROLEUM HYDROCARBONS - SOIL** | | | | **MCL _VPH_EPH_ALL** | | **Units: ug/Kg-dry** | |
| Benzene | 26 | | 26 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| Toluene | 79 | | 26 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| Ethylbenzene | ND | | 26 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| m,p-Xylene | ND | | 51 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| o-Xylene | ND | | 26 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| Methyl tert-butyl ether | ND | | 210 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| Naphthalene | ND | | 260 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| C5-C8 Aliphatics (Unadjusted) | ND | | 5100 | 50 | 04/10/07 19:10 | RRH | 2176345 |
| C9-C12 Aliphatics (Unadjusted) | ND | | 2600 | 50 | 04/10/07 19:10 | RRH | 2176345 |
| C9-C10 Aromatics | ND | | 770 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| C5-C8 Aliphatics (Adjusted) | ND | | 5100 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| C9-C12 Aliphatics (Adjusted) | ND | | 2600 | 50 | 04/10/07 19:10 | RRH | 2176344 |
| Surr: 2,5-Dibromotoluene | 106 | | % 70-130 | 50 | 04/10/07 19:10 | RRH | 2176345 |
| Surr: 2,5-Dibromotoluene | 101 | | % 70-130 | 50 | 04/10/07 19:10 | RRH | 2176344 |

| Prep Method | Prep Date | Prep Initials | Prep Factor |
|---|---|---|---|
| SW8015B | 03/28/2007 14:30 | Field | 0.47 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

# *Quality Control Documentation*

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **PERCENT MOISTURE** | **WorkOrder:** | **07031143** |
| **Method:** | **D2216** | **Lab Batch ID:** | **R149264** |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 07031143-01B | MW-101 (15') |
| 07031143-02B | MW-102 (15') |
| 07031143-03B | MW-103 (15') |
| 07031143-04B | SB-1 (14') |
| 07031143-05B | SB-2 (14') |
| 07031143-06B | SB-3 (13') |
| 07031143-07B | SB-4 (13') |

### Sample Duplicate

| | | | |
|---|---|---|---|
| Original Sample: | 07031143-07 | | |
| RunID: | WET_070402A-2165866 | Units: | wt% |
| Analysis Date: | 04/02/2007 9:23 | Analyst: | RDH |

| Analyte | Sample Result | DUP Result | RPD | RPD Limit |
|---|---|---|---|---|
| Percent Moisture | 8.8 | 9.69 | 9.3 | 20 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Polychlorinated Biphenyls by Method 8082 - soil** **WorkOrder:** **07031143**
**Method:** **SW8082** **Lab Batch ID:** **57777**

### Method Blank

RunID: PEST_070403A-2169996 Units: mg/Kg
Analysis Date: 04/03/2007 19:22 Analyst: RAH
Preparation Date: 04/02/2007 14:48 Prep By: JAP Method SW3550B

| Analyte | Result | Rep Limit |
|---|---|---|
| Aroclor 1016 | ND | 0.033 |
| Aroclor 1221 | ND | 0.033 |
| Aroclor 1232 | ND | 0.033 |
| Aroclor 1242 | ND | 0.033 |
| Aroclor 1248 | ND | 0.033 |
| Aroclor 1254 | ND | 0.033 |
| Aroclor 1260 | ND | 0.033 |
| Surr: Decachlorobiphenyl | 84.5 | 34-138 |
| Surr: Tetrachloro-m-xylene | 65.5 | 16-127 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 07031143-01B | MW-101 (15') |
| 07031143-02B | MW-102 (15') |
| 07031143-03B | MW-103 (15') |
| 07031143-04B | SB-1 (14') |
| 07031143-05B | SB-2 (14') |
| 07031143-06B | SB-3 (13') |
| 07031143-07B | SB-4 (13') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST_070403A-2169997 Units: mg/Kg
Analysis Date: 04/03/2007 19:40 Analyst: RAH
Preparation Date: 04/02/2007 14:48 Prep By: JAP Method SW3550B

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 0.330 | 0.269 | 81.6 | 0.330 | 0.274 | 82.9 | 1.6 | 32 | 49 | 117 |
| Aroclor 1260 | 0.330 | 0.321 | 97.2 | 0.330 | 0.332 | 101 | 3.5 | 25 | 56 | 124 |
| Surr: Decachlorobiphenyl | 0.0330 | 0.0284 | 86.1 | 0.0330 | 0.0282 | 85.5 | 0.7 | 30 | 34 | 138 |
| Surr: Tetrachloro-m-xylene | 0.0330 | 0.0237 | 71.8 | 0.0330 | 0.0273 | 82.7 | 14.1 | 30 | 16 | 127 |

### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07031101-18
RunID: PEST_070403A-2169999 Units: mg/Kg
Analysis Date: 04/03/2007 20:15 Analyst: RAH
Preparation Date: 04/02/2007 14:48 Prep By: JAP Method SW3550B

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND | 0.33 | 0.274 | 83.0 | 0.33 | 0.251 | 76.0 | 8.84 | 36 | 29 | 128 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/17/2007 10:42:46 AM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

| | | | |
|---|---|---|---|
| **Analysis:** | **Polychlorinated Biphenyls by Method 8082 - soil** | **WorkOrder:** | **07031143** |
| **Method:** | **SW8082** | **Lab Batch ID:** | **57777** |

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

| | | | |
|---|---|---|---|
| Sample Spiked: | 07031101-18 | | |
| RunID: | PEST_070403A-2169999 | Units: | mg/Kg |
| Analysis Date: | 04/03/2007 20:15 | Analyst: | RAH |
| Preparation Date: | 04/02/2007 14:48 | Prep By: | JAP Method SW3550B |

| Analyte | Sample Result | MS Spike Added | MS Result | MS % Recovery | MSD Spike Added | MSD Result | MSD % Recovery | RPD | RPD Limit | Low Limit | High Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1260 | ND | 0.33 | 0.349 | 106 | 0.33 | 0.328 | 99.5 | 6.14 | 34 | 55 | 120 |
| Surr: Decachlorobiphenyl | ND | 0.033 | 0.0371 | 112 | 0.033 | 0.0358 | 108 | 3.57 | 30 | 34 | 138 |
| Surr: Tetrachloro-m-xylene | ND | 0.033 | 0.0263 | 79.7 | 0.033 | 0.0223 | 67.6 | 16.5 | 30 | 16 | 127 |

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/17/2007 10:42:46 AM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Volatile Petroleum Hydrocarbons - soil** **WorkOrder:** **07031143**
**Method:** **MA_VPH_EPH_ALL** **Lab Batch ID:** **R149921**

### Method Blank

RunID: HPDD_070409C-2176209 Units: ug/Kg
Analysis Date: 04/10/2007 16:12 Analyst: RRH

| Analyte | Result | Rep Limit |
|---|---|---|
| C5-C8 Aliphatics (Unadjusted) | ND | 200 |
| C9-C12 Aliphatics (Unadjusted) | ND | 100 |
| Surr: 2,5-Dibromotoluene | 111.4 | 70-130 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 07031143-01A | MW-101 (15') |
| 07031143-02A | MW-102 (15') |
| 07031143-03A | MW-103 (15') |
| 07031143-04A | SB-1 (14') |
| 07031143-05A | SB-2 (14') |
| 07031143-06A | SB-3 (13') |
| 07031143-07A | SB-4 (13') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPDD_070409C-2176205 Units: ug/Kg
Analysis Date: 04/10/2007 14:29 Analyst: RRH

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| C5-C8 Aliphatics (Unadjusted) | 300 | 343 | 114 | 300 | 324 | 108 | 5.8 | 20 | 70 | 130 |
| C9-C12 Aliphatics (Unadjusted) | 220 | 265 | 120 | 220 | 244 | 111 | 8.0 | 20 | 70 | 130 |
| Surr: 2,5-Dibromotoluene | 100 | 114 | 114 | 100 | 112 | 112 | 2.1 | 30 | 70 | 130 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/17/2007 10:42:47 AM

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Quality Control Report

## SUNOCO, INC

**WESTFIELD, MA**

**Analysis:** **Volatile Petroleum Hydrocarbons - soil** **WorkOrder:** **07031143**
**Method:** **MA_VPH_EPH_ALL** **Lab Batch ID:** **R149921**

### Method Blank

RunID: HPDD_070409C-2176208 Units: ug/Kg
Analysis Date: 04/10/2007 16:12 Analyst: RRH

| Analyte | Result | Rep Limit |
|---|---|---|
| Benzene | ND | 1.0 |
| C5-C8 Aliphatics (Adjusted) | ND | 200 |
| C9-C10 Aromatics | ND | 30 |
| C9-C12 Aliphatics (Adjusted) | ND | 100 |
| Ethylbenzene | ND | 1.0 |
| m,p-Xylene | ND | 2.0 |
| Methyl tert-butyl ether | ND | 8.0 |
| Naphthalene | ND | 10 |
| o-Xylene | ND | 1.0 |
| Toluene | ND | 1.0 |
| Surr: 2,5-Dibromotoluene | 107.9 | 70-130 |

**Samples in Analytical Batch:**

| Lab Sample ID | Client Sample ID |
|---|---|
| 07031143-01A | MW-101 (15') |
| 07031143-02A | MW-102 (15') |
| 07031143-03A | MW-103 (15') |
| 07031143-04A | SB-1 (14') |
| 07031143-05A | SB-2 (14') |
| 07031143-06A | SB-3 (13') |
| 07031143-07A | SB-4 (13') |

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPDD_070409C-2176204 Units: ug/Kg
Analysis Date: 04/10/2007 14:29 Analyst: RRH

| Analyte | LCS Spike Added | LCS Result | LCS Percent Recovery | LCSD Spike Added | LCSD Result | LCSD Percent Recovery | RPD | RPD Limit | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 25.0 | 20.5 | 82.1 | 25.0 | 20.1 | 80.6 | 1.8 | 19 | 70 | 130 |
| C9-C10 Aromatics | 40.0 | 50.5 | 126 | 40.0 | 47.0 | 117 | 7.2 | 20 | 70 | 130 |
| Ethylbenzene | 25.0 | 21.8 | 87.0 | 25.0 | 21.0 | 83.8 | 3.7 | 17.6 | 70 | 130 |
| m,p-Xylene | 100 | 92.0 | 92.0 | 100 | 89.0 | 89.0 | 3.4 | 17.4 | 70 | 130 |
| Methyl tert-butyl ether | 75.0 | 63.7 | 85.0 | 75.0 | 64.6 | 86.1 | 1.3 | 25.8 | 70 | 130 |
| Naphthalene | 50.0 | 49.7 | 99.4 | 50.0 | 46.9 | 93.9 | 5.7 | 27.4 | 70 | 130 |
| o-Xylene | 50.0 | 43.4 | 86.7 | 50.0 | 42.4 | 84.7 | 2.3 | 17.9 | 70 | 130 |
| Toluene | 75.0 | 63.9 | 85.2 | 75.0 | 62.9 | 83.8 | 1.6 | 17.5 | 70 | 130 |
| Surr: 2,5-Dibromotoluene | 100 | 113 | 113 | 100 | 110 | 110 | 2.5 | 30 | 70 | 130 |

**Qualifiers:**
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/17/2007 10:42:47 AM

# *Sample Receipt Checklist*

# *And*

# *Chain of Custody*

**LAFAYETTE LABORATORY**
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Workorder: | **07031143** | Received By: | **JLK** |
| Date and Time Received: | **3/30/2007 9:30:00 AM** | Carrier name: | **FedEx-Std 1 Day PM** |
| Temperature: | **3°C** | Chilled by: | **Water Ice** |

| | | | | |
|---|---|---|---|---|
| **1.** | **Shipping container/cooler in good condition?** | Yes ☑ | No ☐ | Not Present ☐ |
| **2.** | **Custody seals intact on shippping container/cooler?** | Yes ☑ | No ☐ | Not Present ☐ |
| **3.** | **Custody seals intact on sample bottles?** | Yes ☐ | No ☐ | Not Present ☑ |
| **4.** | **Chain of custody present?** | Yes ☑ | No ☐ | |
| **5.** | **Chain of custody signed when relinquished and received?** | Yes ☑ | No ☐ | |
| **6.** | **Chain of custody agrees with sample labels?** | Yes ☑ | No ☐ | |
| **7.** | **Samples in proper container/bottle?** | Yes ☑ | No ☐ | |
| **8.** | **Sample containers intact?** | Yes ☑ | No ☐ | |
| **9.** | **Sufficient sample volume for indicated test?** | Yes ☑ | No ☐ | |
| **10.** | **All samples received within holding time?** | Yes ☑ | No ☐ | |
| **11.** | **Container/Temp Blank temperature in compliance?** | Yes ☑ | No ☐ | |
| **12.** | **Water - VOA vials have zero headspace?** | Yes ☐ | No ☐ | VOA Vials Not Present ☑ |
| **13.** | **Water - Preservation checked upon receipt (except VOA*)?** | Yes ☐ | No ☐ | Not Applicable ☑ |

***VOA Preservation Checked After Sample Analysis**

**SPL Representative:** Granados, Alberto E.
**Contact Date & Time:** 3/30/2007 3:30:00 PM
**Client Name Contacted:** MATHEW DOWOING

**Non Conformance Issues:** Soil samples for VPH analysis collected in 5035 field preservation kits (Methanol preserved) did not have the 1:1 sample to solvent ratio.

**Client Instructions:**

07031143

Page of

# Chain of Custody Record

| | |
|---|---|
| On-site Time: | Temp: |
| Off-site Time: | Temp: |
| Sky Conditions: | |
| Meteorological Events: | |
| Wind Speed: | Direc |

**Sunoco DUNS #:** 0374-5593
**Region:**
**State or Lead Regulatory Agency:** MADEP
**Requested Due Date (mm/dd/yy):**
**COC Tracking Number:**

| | | | | | |
|---|---|---|---|---|---|
| ame: | Southern Petroleum Laboratories | Facility Address: | 88-90 South Maple Street | Consultant/Contractor: | CEA |
| ss: | 500 Ambassador Caffery Parkway | Facility City, State: | Westfield MA | Address: | 127 Hartwell Street |
| | Scott, LA 70583 | Site Lat/Long: | | | W. Boylston, MA 01583 |
| M: | | Sunoco PM Contact: | Bill Brochu | Consultant/Contractor Project No.: | 4776-01 |
| 717-656-2300 | Fax: 717-656-2( 681 | Address: | 4 Bellows Rd, PO Box 1262, | Consultant/Contractor PM: | Scott VanderSea |
| Type & QC Level: | MADEP | Westborough, MA 01581 | | Tele/Fax: | (508) 835-8822 |
| EDD To: | SunocoENFOS@deltaenv.com | Tele/Fax: | (800) 777-6444 x1357 (866) 257-9205 | Invoice to: | |

ottle Order No:

| Sample Description | Time | Date | Matrix: Liquid | Matrix: Soil | | Laboratory No. | No. of Containers | Preservative: MeOH | Preservative: None | | | | | Requested Analysis: VPH | PCBs | % Solid | | | | | | | | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-101 (15') | 9:30 | 3/28 | | x | | | 2 | 1 | 1 | | | | | x | x | x | | | | | | | | 2 |
| MW-102 (15') | 10:30 | 3/28 | | x | | | 2 | 1 | 1 | | | | | x | x | x | | | | | | | | 2 |
| MW - 103 (15') | 11:00 | 3/28 | | x | | | 2 | 1 | 1 | | | | | x | x | x | | | | | | | | 2 |
| SB - 1 (14') | 11:30 | 3/28 | | x | | | 2 | 1 | 1 | | | | | x | x | x | | | | | | | | 2 |
| SB - 2 (14') | 12:30 | 3/28 | | x | | | 2 | 1 | 1 | | | | | x | x | x | | | | | | | | 2 |
| SB - 3 (13') | 1:30 | 3/28 | | x | | | 2 | 1 | 1 | | | | | x | x | x | | | | | | | | 2 |
| SB - 4 (13') | 2:30 | 3/28 | | x | | | 2 | 1 | 1 | | | | | x | x | x | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | Fed Ex 8597 0196 6957 |
| | | | | | | | | | | | | | | | | | | | | | | | | BL-25 (~~300~~) 5 |
| | | | | | | | | | | | | | | | | | | | | | | | | Cis on the Cooler |
| | | | | | | | | | | | | | | | | | | | | | | | | Temp → 3.0C |
| | | | | | | | | | | | | | | | | | | | | | | | | W-9580 (12) |

| | | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|---|
| er's Name: | Matt Dowling | | | | | | |
| er's Company: | CEA | | 3/28/07 | Cooler | | | |
| ent Date: | 3/29/2007 | | 3/29/07 | 0900 | | 3/30/07 | 0900 |
| ent Method: | FedEX | | 3/30/07 | 0930 | | 3/30/07 | 0930 |
| ent Tracking No: | 8576 7746 3048 | | | | | | |

**l Instructions:**

**heet MADEP GW-1 Groundwater Standards, Email laboratory analytical report to mdowling@cea-inc.com**

dy Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt OF/C Trip Blank Yes No

**FedEx Express** US Airbill

FedEx Tracking Number 8597 0196 6957

**Recipient's Copy**

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

**1 From** This portion can be removed for Recipient's records.

Date 3/29/07 FedEx Tracking Number 859701966957

Sender's Name Matt Dowling Phone 508 835 8822

Company Corporate Environmental Advisors

Address 127 Hartwell St Dept./Floor/Suite/Room

City West Boylston State MA ZIP 01583

**2 Your Internal Billing Reference**

**3 To**

Recipient's Name SHIPPING AND RECEIVING Phone 337 237-4775

Company SOUTHERN PETROLEUM LLC

Recipient's Address 500 AMBASSADOR CAFFERY PKWY Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City LAFAYETTE State LA ZIP 70508-5500

0347996545

8597 0196 6957

**4a Express Package Service** — *Packages up to 150 lbs.*

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

**4b Express Freight Service** — *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

**5 Packaging**

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

**6 Special Handling** — Include FedEx address in Section 3

- [ ] **SATURDAY Delivery** — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.
- [ ] **HOLD Weekday** at FedEx Location — Not available for FedEx First Overnight.
- [ ] **HOLD Saturday** at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

**Does this shipment contain dangerous goods?**

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

**7 Payment** *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

0705

Total Packages ____ Total Weight ____ Total Charges ____

Credit Card Auth. ____

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

**8 *NEW* Residential Delivery Signature Options** If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

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