ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

# Analytical Laboratory Report
## TRPH
### EPA Method 418.1

| | | | |
|---|---|---|---|
| **Date Sampled:** | 4/10/97 | **Proj Mgr:** | Rus Purcell |
| **Date Received:** | 4/11/97 | **Client:** | Kennedy/Jenks |
| **Report Number:** | 1D057A.RPT | **Project:** | 974002.00 |
| **Lab Number:** | 1D057 | **Units Soil:** | mg/Kg |
| **Date Reported:** | 4/14/97 | **Units Water:** | ug/L |

| Lab ID No. | Field ID No. | Date Extracted | Date Analyzed | TRPH | Dilution Factor | Matrix |
|---|---|---|---|---|---|---|
| 1D057-01 | 2BB-5-38-1 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-02 | 2BB-5-38-4 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-03 | 2BB-5-38-10 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-04 | 2BB-5-37-1 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-05 | 2BB-5-37-4 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-06 | 2BB-5-37-10 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-07 | 2BB-5-30-1 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-08 | 2BB-5-30-4 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-09 | 2BB-5-30-10 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-10 | 2BB-36-9-1 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-11 | 2BB-36-9-4 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-12 | 2BB-36-9-10 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-13 | 2BB-36-9-15 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-14 | 2BB-36-9-20 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-15 | 2BB-36-9-25 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-16 | 2BB-36-10-1 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-17 | 2BB-36-10-4 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-18 | 2BB-36-10-10 | 4/11/97 | 4/11/97 | 36 | 1 | Soil |
| 1D057-19 | 2BB-36-10-15 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-20 | 2BB-36-10-20 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-21 | 2BB-36-10-25 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-22 | 2BB-36-12-1 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-23 | 2BB-36-12-4 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-24 | 2BB-36-12-10 | 4/11/97 | 4/11/97 | ND | 1 | Soil |

| | |
|---|---|
| **Reporting Limits SOIL mg/Kg** | 10 |

**NOTES**
NR - Not requested
ND - Analytes not detected at or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit. Equals detection limit times the dilution factor
M - Matrix effects
DF - Dilution Factor

**PROCEDURES**
TRPH - This analysis was performed using EPA Method 418.1

**CERTIFICATION**
California Department of Health Services ELAP
Onsite Environmental Laboratories 4500 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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# Analytical Laboratory Report
## TRPH
### EPA Method 418.1

| | | | |
|---|---|---|---|
| **Date Sampled:** | 4/10/97 | **Proj Mgr:** | Rus Purcell |
| **Date Received:** | 4/11/97 | **Client:** | Kennedy/Jenks |
| **Report Number:** | 1D057B.RPT | **Project:** | 974002.00 |
| **Lab Number:** | 1D057 | **Units Soil:** | mg/Kg |
| **Date Reported:** | 4/14/97 | **Units Water:** | ug/L |

| Lab ID No. | Field ID No. | Date Extracted | Date Analyzed | TRPH | Dilution Factor | Matrix |
|---|---|---|---|---|---|---|
| 1D057-25 | **2BB-36-12-15** | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-26 | **2BB-36-12-20** | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-27 | **2BB-36-12-25** | 4/11/97 | 4/11/97 | ND | 1 | Soil |

| | |
|---|---|
| **Reporting Limits SOIL mg/Kg** | 10 |

**NOTES:**
NR - Not requested
ND - Analytes not detected at, or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit Equals detection limit times the dilution factor
M - Matrix effects
DF - Dilution Factor

**PROCEDURES:**
TRPH - This analysis was performed using EPA Method 418.1

**CERTIFICATION:**
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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# Analytical Laboratory Report
## TRPH
### EPA Method 418.1

| | | | |
|---|---|---|---|
| **Date Sampled:** | 4/11/97 | **Proj Mgr:** | Rus Purcell |
| **Date Received:** | 4/11/97 | **Client:** | Kennedy/Jenks |
| **Report Number:** | 1D057C.RPT | **Project:** | 974002.00 |
| **Lab Number:** | 1D057 | **Units Soil:** | mg/Kg |
| **Date Reported:** | 4/14/97 | **Units Water:** | ug/L |

| Lab ID No. | Field ID No. | Date Extracted | Date Analyzed | TRPH | Dilution Factor | Matrix |
|---|---|---|---|---|---|---|
| 1D057-28 | 2BB-2-22-1 | 4/11/97 | 4/11/97 | 57 | 1 | Soil |
| 1D057-29 | 2BB-2-22-4 | 4/11/97 | 4/11/97 | 40 | 1 | Soil |
| 1D057-30 | 2BB-2-22-10 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-31 | 2BB-2-22-15 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-32 | 2BB-2-22-20 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-33 | 2BB-2-22-25 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-34 | 2BB-2-31-1 | 4/11/97 | 4/11/97 | 11 | 1 | Soil |
| 1D057-35 | 2BB-2-31-4 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-36 | 2BB-2-31-10 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-37 | 2BB-2-31-15 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-38 | 2BB-2-31-20 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-39 | 2BB-2-31-25 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-40 | 2BB-2-32-1 | 4/11/97 | 4/11/97 | 11 | 1 | Soil |
| 1D057-41 | 2BB-2-32-4 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-42 | 2BB-2-32-10 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-43 | 2BB-2-32-15 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-44 | 2BB-2-32-20 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-45 | 2BB-2-32-25 | 4/11/97 | 4/11/97 | 11 | 1 | Soil |
| 1D057-46 | 2BB-2-33-1 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-47 | 2BB-2-33-4 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-48 | 2BB-2-33-10 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-49 | 2BB-2-33-15 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-50 | 2BB-2-33-20 | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-51 | 2BB-2-33-25 | 4/11/97 | 4/11/97 | ND | 1 | Soil |

| | |
|---|---|
| **Reporting Limits SOIL mg/Kg** | 10 |

**NOTES**
NR - Not requested
ND - Analytes not detected at, or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit. Equals detection limit times the dilution factor
M - Matrix effects
DF - Dilution Factor

**PROCEDURES**
TRPH - This analysis was performed using EPA Method 418.1

**CERTIFICATION**
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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# Analytical Laboratory Report
## TRPH
### EPA Method 418.1

| | | | |
|---|---|---|---|
| **Date Sampled:** | 4/11/97 | **Proj Mgr:** | Rus Purcell |
| **Date Received:** | 4/11/97 | **Client:** | Kennedy/Jenks |
| **Report Number:** | 1D057D.RPT | **Project:** | 974002.00 |
| **Lab Number:** | 1D057 | **Units Soil:** | mg/Kg |
| **Date Reported:** | 4/14/97 | **Units Water:** | ug/L |

| Lab ID No. | Field ID No. | Date Extracted | Date Analyzed | TRPH | Dilution Factor | Matrix |
|---|---|---|---|---|---|---|
| 1D057-52 | **2BB-2-34-1** | 4/11/97 | 4/11/97 | **24** | 1 | Soil |
| 1D057-53 | **2BB-2-34-4** | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-54 | **2BB-2-34-10** | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-55 | **2BB-2-34-15** | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-56 | **2BB-2-34-20** | 4/11/97 | 4/11/97 | ND | 1 | Soil |
| 1D057-57 | **2BB-2-34-25** | 4/11/97 | 4/11/97 | ND | 1 | Soil |

| | |
|---|---|
| **Reporting Limits SOIL mg/Kg** | 10 |

**NOTES:**
NR - Not requested
ND - Analytes not detected at, or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit Equals detection limit times the dilution factor
M - Matrix effects
DF - Dilution Factor

**PROCEDURES:**
TRPH - This analysis was performed using EPA Method 418.1

**CERTIFICATION:**
California Department of Health Services ELAP
Onsite Environmental Laboratories 5500 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt

Laboratory Director

MAY 06 1997

Date

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# Analytical Laboratory Report
## TPH-E Diesel, TPH-E Motor Oil
### EPA Method 8015 Modified

**Date Sampled:** 4/11/97
**Date Received:** 4/11/97
**Report Number:** 1D057E.RPT
**Lab Number:** 1D057
**Date Reported:** 4/21/97

**Proj Mgr:** Rus Purcell
**Client:** Kennedy/Jenks
**Project:** McDonnell Douglas
**Units Soil:** mg/Kg

| Lab ID No. | Field ID No. | Date Extracted | Date Analyzed | TPH-E Diesel | TPH-E Motor Oil | TPH-E Sur. % | TPH-E DF | Matrix |
|---|---|---|---|---|---|---|---|---|
| 1D057-18 | **2BB-36-10-10** | 4/16/97 | 4/18/97 | ND | ND | 81 | 1 | Soil |
| 1D057-28 | **2BB-2-22-1** | 4/16/97 | 4/18/97 | ND | ND | 78 | 1 | Soil |
| 1D057-29 | **2BB-2-22-4** | 4/16/97 | 4/18/97 | ND | ND | 78 | 1 | Soil |
| **Reporting Limits SOIL mg/Kg** | | | | 10 | 10 | | | |

NOTES:
NR - Not requested
NC - Not confirmed
ND - Analytes not detected at, or above the reporting limit
Sur % - Percent surrogate recovery
mg/Kg - Milligrams per kilogram (PPM)
PQL - Practical Quantitation Limit Equals detection limit times the dilution factor
D - Surrogate was diluted out
M - Matrix effects
DF - Dilution Factor
* - Sample chromatogram does not match standard chromatogram
TPH-E Diesel - Total petroleum hydrocarbons extractable quantitated as Diesel
TPH-E Motor Oil - Total petroleum hydrocarbons extractable quantitated as Motor Oil

PROCEDURES:
TPH-E - This analysis was performed using EPA Method 8015 Mod and EPA Method 3550B

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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# LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 Project No: 974002.00 REPORTING UNITS : µg/Kg

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DATE ANALYZED | | | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 |
| DATE EXTRACTED | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| LAB SAMPLE ID | | | 1D057-01 | 1D057-02 | 1D057-03 | 1D057-04 | 1D057-05 | 1D057-06 | 1D057-07 |
| CLIENT SAMPLE ID : 2BB- | | | 5-38-1 | 5-38-4 | 5-38-10 | 5-37-1 | 5-37-4 | 5-37-10 | 5-30-1 |
| EXTRACTION SOLVENT | | | | | | | | | |
| EXTRACTION METHOD | | | | | | | | | |
| DILUTION FACTOR | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| COMPOUND | | CRDL | | | | | | | |
| Benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,3-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane (Freon 12) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane (1,1-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloroethane (1,2-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene (1,1-DCE) | | 5 | ND | ND | ND | ND | ND | 11 | ND |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloropropane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Ethyl benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride (Dichloromethane) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene (PCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Toluene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene (TCE) | | 5 | ND | ND | 8.3 | 6.1 | ND | 26 | ND |
| Trichlorofluoromethane (Freon 11) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| m,p-Xylenes | | 5 | ND | ND | ND | ND | ND | ND | ND |
| o-Xylene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Vinyl chloride (VC) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| TPH as gasoline | | 1000 | ND | ND | ND | ND | ND | ND | ND |
| SURROGATE | SPK conc | ACP % | %RC | %RC | %RC | %RC | %RC | %RC | %RC |
| Dibromofluoromethane | 50 | 75%-110% | 95% | 94% | 92% | 104% | 106% | 104% | 101% |
| Toluene-d8 | 50 | 80%-115% | 100% | 99% | 102% | 104% | 103% | 103% | 100% |
| 4-Bromofluorobenzene | 50 | 75%-125% | 97% | 98% | 95% | 103% | 104% | 103% | 96% |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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LABORATORIES, INC.

# LABORATORY ANALYTICAL REPORT FOR ORGANICS

**METHOD : EPA 8260** Project No: 974002.00 **REPORTING UNITS : µg/Kg**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DATE ANALYZED | | | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 |
| DATE EXTRACTED | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| LAB SAMPLE ID | | | 1D057-08 | 1D057-09 | 1D057-10 | 1D057-11 | 1D057-12 | 1D057-13 | 1D057-14 |
| CLIENT SAMPLE ID : 2BB- | | | 5-30-4 | 5-30-10 | 36-9-1 | 36-9-4 | 36-9-10 | 36-9-15 | 36-9-20 |
| EXTRACTION SOLVENT | | | | | | | | | |
| EXTRACTION METHOD | | | | | | | | | |
| DILUTION FACTOR | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| COMPOUND | | CRDL | | | | | | | |
| Benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,3-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane (Freon 12) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane (1,1-DCA) | | 5 | ND | ND | ND | ND | ND | ND | **13** |
| 1,2-Dichloroethane (1,2-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene (1,1-DCE) | | 5 | ND | **5.7** | **39** | **14** | **51** | **11** | **100** |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloropropane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Ethyl benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride (Dichloromethane) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene (PCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Toluene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | 5 | ND | ND | ND | ND | ND | ND | **10** |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene (TCE) | | 5 | **8.1** | **16** | **79** | **51** | **110** | **45** | **260 E** |
| Trichlorofluoromethane (Freon 11) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| m,p-Xylenes | | 5 | ND | ND | ND | ND | ND | ND | ND |
| o-Xylene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Vinyl chloride (VC) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| TPH as gasoline | | 1000 | ND | ND | ND | ND | ND | ND | ND |
| SURROGATE | SPK conc | ACP % | %RC | %RC | %RC | %RC | %RC | %RC | %RC |
| Dibromofluoromethane | 50 | 75%-110% | 96% | 96% | 103% | 105% | 105% | 107% | 108% |
| Toluene-d8 | 50 | 80%-115% | 101% | 102% | 103% | 103% | 103% | 103% | 104% |
| 4-Bromofluorobenzene | 50 | 75%-125% | 99% | 95% | 103% | 102% | 103% | 104% | 105% |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
E- Exceeds calibration range
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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# LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DATE ANALYZED | | | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 |
| DATE EXTRACTED | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| LAB SAMPLE ID | | | 1D057-15 | 1D057-16 | 1D057-17 | 1D057-18 | 1D057-19 | 1D057-20 | 1D057-21 |
| CLIENT SAMPLE ID : 2BB- | | | 36-9-25 | 36-10-1 | 36-10-4 | 36-10-10 | 36-10-15 | 36-10-20 | 36-10-25 |
| EXTRACTION SOLVENT | | | | | | | | | |
| EXTRACTION METHOD | | | | | | | | | |
| DILUTION FACTOR | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| COMPOUND | | CRDL | | | | | | | |
| Benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,3-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane (Freon 12) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane ,1,1-DCA) | | 5 | **23** | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloroethane (1,2-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene (1,1-DCE) | | 5 | **250** | **16** | ND | **79** | **6.6** | **39** | **19** |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | 5 | **8.2** | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloropropane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Ethyl benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride (Dichloromethane) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene (PCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Toluene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | 5 | **26** | ND | ND | ND | ND | ND | ND |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene (TCE) | | 5 | **480 E** | **110** | **16** | **170** | **21** | **100** | **69** |
| Trichlorofluoromethane (Freon 11) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| m,p-Xylenes | | 5 | ND | ND | ND | ND | ND | ND | ND |
| o-Xylene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Vinyl chloride (VC) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| TPH as gasoline | | 1000 | ND | ND | ND | ND | ND | ND | ND |
| SURROGATE | SPK conc | ACP % | %RC | %RC | %RC | %RC | %RC | %RC | %RC |
| Dibromofluoromethane | 50 | 75%-110% | 108% | 91% | 95% | 95% | 95% | 92% | 97% |
| Toluene-d8 | 50 | 80%-115% | 101% | 99% | 97% | 100% | 100% | 99% | 101% |
| 4-Bromofluorobenzene | 50 | 75%-125% | 104% | 97% | 95% | 96% | 96% | 98% | 94% |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
E- Exceeds calibration range
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

**ONSITE**
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LABORATORIES, INC.

# LABORATORY ANALYTICAL REPORT FOR ORGANICS

**METHOD : EPA 8260** Project No: 974002.00 **REPORTING UNITS : µg/Kg**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DATE ANALYZED | | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 |
| DATE EXTRACTED | | N/A | N/A | N/A | N/A | N/A | N/A |
| LAB SAMPLE ID | | 1D057-22 | 1D057-23 | 1D057-24 | 1D057-25 | 1D057-26 | 1D057-27 |
| CLIENT SAMPLE ID : 2BB- | | 36-12-1 | 36-12-4 | 36-12-10 | 36-12-15 | 36-12-20 | 36-12-25 |
| EXTRACTION SOLVENT | | | | | | | |
| EXTRACTION METHOD | | | | | | | |
| DILUTION FACTOR | | 1 | 1 | 1 | 1 | 1 | 1 |
| COMPOUND | CRDL | | | | | | |
| Benzene | 5 | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | 5 | ND | ND | ND | ND | ND | ND |
| Bromoform | 5 | ND | ND | ND | ND | ND | ND |
| Bromomethane | 5 | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | 5 | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | 5 | ND | ND | ND | ND | ND | ND |
| Chloroethane | 5 | ND | ND | ND | ND | ND | ND |
| Chloroform | 5 | ND | ND | ND | ND | ND | ND |
| Chloromethane | 5 | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | 5 | ND | ND | ND | ND | ND | ND |
| 1,2-Dichlorobenzene | 5 | ND | ND | ND | ND | ND | ND |
| 1,3-Dichlorobenzene | 5 | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | 5 | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane (Freon 12) | 5 | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane (1,1-DCA) | 5 | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloroethane (1,2-DCA) | 5 | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene (1,1-DCE) | 5 | **9.0** | **5.7** | ND | **190** | **100** | **35** |
| cis-1,2-Dichloroethene (c-1,2-DCE) | 5 | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene (t-1,2-DCE) | 5 | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloropropane | 5 | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | 5 | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | 5 | ND | ND | ND | ND | ND | ND |
| Ethyl benzene | 5 | ND | ND | ND | ND | ND | ND |
| Methylene chloride (Dichloromethane) | 5 | ND | ND | ND | ND | ND | ND |
| 1,1,1,2-Tetrachloroethane | 5 | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | 5 | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene (PCE) | 5 | ND | ND | ND | ND | ND | ND |
| Toluene | 5 | ND | ND | ND | ND | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | 5 | ND | ND | ND | ND | ND | ND |
| 1,1,2-Trichloroethane (1,1,2-TCA) | 5 | ND | ND | ND | ND | ND | ND |
| Trichloroethene (TCE) | 5 | **46** | **27** | ND | **150** | **140** | **71** |
| Trichlorofluoromethane (Freon 11) | 5 | ND | ND | ND | ND | ND | ND |
| m,p-Xylenes | 5 | ND | ND | ND | ND | ND | ND |
| o-Xylene | 5 | ND | ND | ND | ND | ND | ND |
| Vinyl chloride (VC) | 5 | ND | ND | ND | ND | ND | ND |
| TPH as gasoline | 1000 | ND | ND | ND | ND | ND | ND |
| SURROGATE | SPK conc | ACP % | %RC | %RC | %RC | %RC | %RC | %RC |
| Dibromofluoromethane | 50 | 75%-110% | 94% | 96% | 97% | 105% | 108% | 108% |
| Toluene-d8 | 50 | 80%-115% | 97% | 100% | 100% | 102% | 103% | 102% |
| 4-Bromofluorobenzene | 50 | 75%-125% | 94% | 94% | 95% | 102% | 103% | 102% |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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LABORATORIES, INC.
[redacted]

# LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DATE ANALYZED | | | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 |
| DATE EXTRACTED | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| LAB SAMPLE ID | | | 1D057-28 | 1D057-29 | 1D057-30 | 1D057-31 | 1D057-32 | 1D057-33 | 1D057-34 |
| CLIENT SAMPLE ID : 2BB- | | | 2-22-1 | 2-22-4 | 2-22-10 | 2-22-15 | 2-22-20 | 2-22-25 | 2-31-1 |
| EXTRACTION SOLVENT | | | | | | | | | |
| EXTRACTION METHOD | | | | | | | | | |
| DILUTION FACTOR | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| COMPOUND | | CRDL | | | | | | | |
| Benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,3-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane (Freon 12) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane (1,1-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloroethane (1,2-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene (1,1-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloropropane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Ethyl benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride (Dichloromethane) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene (PCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Toluene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene (TCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichlorofluoromethane (Freon 11) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| m,p-Xylenes | | 5 | ND | ND | ND | ND | ND | ND | ND |
| o-Xylene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Vinyl chloride (VC) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| TPH as gasoline | | 1000 | ND | ND | ND | ND | ND | ND | ND |
| SURROGATE | SPK conc | ACP % | %RC | %RC | %RC | %RC | %RC | %RC | %RC |
| Dibromofluoromethane | 50 | 75%-110% | 93% | 95% | 95% | 94% | 97% | 95% | 108% |
| Toluene-d8 | 50 | 80%-115% | 102% | 99% | 102% | 99% | 98% | 101% | 102% |
| 4-Bromofluorobenzene | 50 | 75%-125% | 96% | 95% | 94% | 97% | 94% | 96% | 102% |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

**ONSITE**
ENVIRONMENTAL
LABORATORIES, INC.

# LABORATORY ANALYTICAL REPORT FOR ORGANICS

**METHOD : EPA 8260** Project No: 974002.00 **REPORTING UNITS : µg/Kg**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | DATE ANALYZED | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 |
| | | DATE EXTRACTED | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | LAB SAMPLE ID | 1D057-35 | 1D057-36 | 1D057-37 | 1D057-38 | 1D057-39 | 1D057-40 | 1D057-41 |
| | | CLIENT SAMPLE ID : 2BB- | 2-31-4 | 2-31-10 | 2-31-15 | 2-31-20 | 2-31-25 | 2-32-1 | 2-32-4 |
| | | EXTRACTION SOLVENT | | | | | | | |
| | | EXTRACTION METHOD | | | | | | | |
| | | DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| COMPOUND | | CRDL | | | | | | | |
| Benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,3-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane (Freon 12) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane (1,1-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloroethane (1,2-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene (1,1-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloropropane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Ethyl benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride (Dichloromethane) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene (PCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Toluene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene (TCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichlorofluoromethane (Freon 11) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| m,p-Xylenes | | 5 | ND | ND | ND | ND | ND | ND | ND |
| o-Xylene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Vinyl chloride (VC) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| TPH as gasoline | | 1000 | ND | ND | ND | ND | ND | ND | ND |
| SURROGATE | SPK conc | ACP % | %RC | %RC | %RC | %RC | %RC | %RC | %RC |
| Dibromofluoromethane | 50 | 75%-110% | 108% | 107% | 108% | 108% | 110% | 94% | 98% |
| Toluene-d8 | 50 | 80%-115% | 103% | 103% | 103% | 103% | 102% | 101% | 102% |
| 4-Bromofluorobenzene | 50 | 75%-125% | 102% | 101% | 102% | 101% | 102% | 92% | 95% |

Notes :
ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

**ONSITE**
ENVIRONMENTAL
LABORATORIES, INC.

# LABORATORY ANALYTICAL REPORT FOR ORGANICS

**METHOD : EPA 8260** **Project No: 974002.00** **REPORTING UNITS : µg/Kg**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DATE ANALYZED | | | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 |
| DATE EXTRACTED | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| LAB SAMPLE ID | | | 1D057-42 | 1D057-43 | 1D057-44 | 1D057-45 | 1D057-46 | 1D057-47 | 1D057-48 |
| CLIENT SAMPLE ID : 2BB- | | | 2-32-10 | 2-32-15 | 2-32-20 | 2-32-25 | 2-33-1 | 2-33-4 | 2-33-10 |
| EXTRACTION SOLVENT | | | | | | | | | |
| EXTRACTION METHOD | | | | | | | | | |
| DILUTION FACTOR | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| COMPOUND | | CRDL | | | | | | | |
| Benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,3-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane (Freon 12) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane (1,1-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloroethane (1,2-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene (1,1-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloropropane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Ethyl benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride (Dichloromethane) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene (PCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Toluene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene (TCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichlorofluoromethane (Freon 11) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| m,p-Xylenes | | 5 | ND | ND | ND | ND | ND | ND | ND |
| o-Xylene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Vinyl chloride (VC) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| TPH as gasoline | | 1000 | ND | ND | ND | ND | ND | ND | ND |
| SURROGATE | SPK conc | ACP % | %RC | %RC | %RC | %RC | %RC | %RC | %RC |
| Dibromofluoromethane | 50 | 75%-110% | 110% | 110% | 91% | 94% | 93% | 95% | 95% |
| Toluene-d8 | 50 | 80%-115% | 102% | 102% | 98% | 99% | 98% | 98% | 98% |
| 4-Bromofluorobenzene | 50 | 75%-125% | 100% | 102% | 93% | 96% | 93% | 95% | 100% |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

**ONSITE**
ENVIRONMENTAL
LABORATORIES, INC.

# LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DATE ANALYZED | | | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 | 4/11/97 |
| DATE EXTRACTED | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| LAB SAMPLE ID | | | 1D057-49 | 1D057-50 | 1D057-51 | 1D057-52 | 1D057-53 | 1D057-54 | 1D057-55 |
| CLIENT SAMPLE ID : 2BB- | | | 2-33-15 | 2-33-20 | 2-33-25 | 2-34-1 | 2-34-4 | 2-34-10 | 2-34-15 |
| EXTRACTION SOLVENT | | | | | | | | | |
| EXTRACTION METHOD | | | | | | | | | |
| DILUTION FACTOR | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| COMPOUND | | CRDL | | | | | | | |
| Benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | | 5 | ND | ND | ND | ND | ND | ND | **6.3** |
| Chloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,3-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane (Freon 12) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane (1,1-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloroethane (1,2-DCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene (1,1-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloropropane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Ethyl benzene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride (Dichloromethane) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene (PCE) | | 5 | ND | ND | ND | ND | ND | ND | **6.7** |
| Toluene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene (TCE) | | 5 | ND | ND | ND | ND | ND | ND | **5.1** |
| Trichlorofluoromethane (Freon 11) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| m,p-Xylenes | | 5 | ND | ND | ND | ND | ND | ND | ND |
| o-Xylene | | 5 | ND | ND | ND | ND | ND | ND | ND |
| Vinyl chloride (VC) | | 5 | ND | ND | ND | ND | ND | ND | ND |
| TPH as gasoline | | 1000 | ND | ND | ND | ND | ND | ND | ND |
| SURROGATE | SPK conc | ACP % | %RC | %RC | %RC | %RC | %RC | %RC | %RC |
| Dibromofluoromethane | 50 | 75%-110% | 96% | 96% | 106% | 116% | 109% | 108% | 105% |
| Toluene-d8 | 50 | 80%-115% | 100% | 100% | 103% | 100% | 102% | 103% | 104% |
| 4-Bromofluorobenzene | 50 | 75%-125% | 96% | 98% | 102% | 95% | 100% | 104% | 103% |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

# LABORATORY ANALYTICAL REPORT FOR ORGANICS

Project No: 974002.00

METHOD : EPA 8260

REPORTING UNITS : µg/Kg

| | | | |
|---|---|---|---|
| DATE ANALYZED | | 4/11/97 | 4/11/97 |
| DATE EXTRACTED | | N/A | N/A |
| LAB SAMPLE ID | | 1D057-56 | 1D057-57 |
| CLIENT SAMPLE ID : 2BB- | | 2-34-20 | 2-34-25 |
| EXTRACTION SOLVENT | | | |
| EXTRACTION METHOD | | | |
| DILUTION FACTOR | | 1 | 1 |
| COMPOUND | CRDL | | |
| Benzene | 5 | ND | ND |
| Bromodichloromethane | 5 | ND | ND |
| Bromoform | 5 | ND | ND |
| Bromomethane | 5 | ND | ND |
| Carbon tetrachloride | 5 | ND | ND |
| Chlorobenzene | 5 | ND | ND |
| Chloroethane | 5 | ND | ND |
| Chloroform | 5 | ND | ND |
| Chloromethane | 5 | ND | ND |
| Dibromochloromethane | 5 | ND | ND |
| 1,2-Dichlorobenzene | 5 | ND | ND |
| 1,3-Dichlorobenzene | 5 | ND | ND |
| 1,4-Dichlorobenzene | 5 | ND | ND |
| Dichlorodifluoromethane (Freon 12) | 5 | ND | ND |
| 1,1-Dichloroethane (1,1-DCA) | 5 | ND | ND |
| 1,2-Dichloroethane (1,2-DCA) | 5 | ND | ND |
| 1,1-Dichloroethene (1,1-DCE) | 5 | ND | ND |
| cis-1,2-Dichloroethene (c-1,2-DCE) | 5 | ND | ND |
| trans-1,2-Dichloroethene (t-1,2-DCE) | 5 | ND | ND |
| 1,2-Dichloropropane | 5 | ND | ND |
| cis-1,3-Dichloropropene | 5 | ND | ND |
| trans-1,3-Dichloropropene | 5 | ND | ND |
| Ethyl benzene | 5 | ND | ND |
| Methylene chloride (Dichloromethane) | 5 | ND | ND |
| 1,1,1,2-Tetrachloroethane | 5 | ND | ND |
| 1,1,2,2-Tetrachloroethane | 5 | ND | ND |
| Tetrachloroethene (PCE) | 5 | ND | ND |
| Toluene | 5 | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | 5 | ND | ND |
| 1,1,2-Trichloroethane (1,1,2-TCA) | 5 | ND | ND |
| Trichloroethene (TCE) | 5 | ND | ND |
| Trichlorofluoromethane (Freon 11) | 5 | ND | ND |
| m,p-Xylenes | 5 | ND | ND |
| o-Xylene | 5 | ND | ND |
| Vinyl chloride (VC) | 5 | ND | ND |
| TPH as gasoline | 1000 | ND | ND |
| SURROGATE / SPK conc | ACP % | %RC | %RC |
| Dibromofluoromethane / 50 | 75%-110% | 104% | 103% |
| Toluene-d8 / 50 | 80%-115% | 103% | 103% |
| 4-Bromofluorobenzene / 50 | 75%-125% | 102% | 102% |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

ONSITE ENVIRONMENTAL LABORATORIES, INC.

# LABORATORY QA/QC REPORT FOR ORGANICS

## Laboratory Quality Control Check Sample (LCS)

**METHOD : EPA 8260** Project No: 974002.00 **REPORTING UNITS : µg/L - LCS**
**µg/Kg - MB**

**DATE PERFORMED:** 4/11/97
**SUPPLY SOURCE:** Absolute Standards, Inc. **LAB LCS ID:** LCS 4/11 #1 MS2
**LOT NUMBER:** 012095(gases), 051596(liq.)
**DATE OF SOURCE:** 3/14/97

| ANALYTE | | MB 4/11 #1 | SPIKE CONC | RESULT | %RECOVERY | ACP %REC LIMIT |
|---|---|---|---|---|---|---|
| Benzene | | ND | 25 | 28.5 | 114% | 85%-115% |
| Bromodichloromethane | | ND | 25 | 28.0 | 112% | 85%-115% |
| Bromoform | | ND | 25 | 27.8 | 111% | 85%-115% |
| Bromomethane | | ND | 25 | 19.5 | 78% | 85%-115% |
| Carbon tetrachloride | | ND | 25 | 25.6 | 103% | 85%-115% |
| Chlorobenzene | | ND | 25 | 26.2 | 105% | 85%-115% |
| Chloroethane | | ND | 25 | 20.2 | 81% | 85%-115% |
| Chloroform | | ND | 25 | 26.2 | 105% | 85%-115% |
| Chloromethane | | ND | 25 | 22.4 | 90% | 85%-115% |
| Dibromochloromethane | | ND | 25 | 28.2 | 113% | 85%-115% |
| 1,2-Dichlorobenzene | | ND | 25 | 28.6 | 114% | 85%-115% |
| 1,3-Dichlorobenzene | | ND | 25 | 27.6 | 110% | 85%-115% |
| 1,4-Dichlorobenzene | | ND | 25 | 26.8 | 107% | 85%-115% |
| Dichlorodifluoromethane (Freon 12) | | ND | 25 | 27.0 | 108% | 85%-115% |
| 1,1-Dichloroethane (1,1-DCA) | | ND | 25 | 25.3 | 101% | 85%-115% |
| 1,2-Dichloroethane (1,2-DCA) | | ND | 25 | 25.0 | 100% | 85%-115% |
| 1,1-Dichloroethene (1,1-DCE) | | ND | 25 | 28.1 | 112% | 85%-115% |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | ND | 25 | 26.0 | 104% | 85%-115% |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | ND | 25 | 25.9 | 104% | 85%-115% |
| 1,2-Dichloropropane | | ND | 25 | 27.3 | 109% | 85%-115% |
| cis-1,3-Dichloropropene | | ND | 25 | 28.0 | 112% | 85%-115% |
| trans-1,3-Dichloropropene | | ND | 25 | 27.7 | 111% | 85%-115% |
| Ethyl benzene | | ND | 25 | 26.3 | 105% | 85%-115% |
| Methylene chloride (Dichloromethane) | | ND | 25 | 28.0 | 112% | 85%-115% |
| 1,1,1,2-Tetrachloroethane | | ND | 25 | 27.3 | 109% | 85%-115% |
| 1,1,2,2-Tetrachloroethane | | ND | 25 | 27.0 | 108% | 85%-115% |
| Tetrachloroethene (PCE) | | ND | 25 | 27.6 | 110% | 85%-115% |
| Toluene | | ND | 25 | 27.9 | 112% | 85%-115% |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | ND | 25 | 24.2 | 97% | 85%-115% |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | ND | 25 | 29.4 | 118% | 85%-115% |
| Trichloroethene (TCE) | | ND | 25 | 27.2 | 109% | 85%-115% |
| Trichlorofluoromethane (Freon 11) | | ND | 25 | 20.1 | 80% | 85%-115% |
| m,p-Xylenes | | ND | 50 | 50.3 | 101% | 85%-115% |
| o-Xylene | | ND | 25 | 25.5 | 102% | 85%-115% |
| Vinyl chloride (VC) | | ND | 25 | 20.9 | 83% | 85%-115% |
| SURROGATE | SPK conc | %RC | | %RC | | |
| Dibromofluoromethane | 50 | 95% | | 93% | | |
| Toluene-d8 | 50 | 102% | | 101% | | |
| 4-Bromofluorobenzene | 50 | 97% | | 100% | | |

Notes : ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

ONSITE ENVIRONMENTAL LABORATORIES, INC.

# LABORATORY QA/QC REPORT FOR ORGANICS

## Laboratory Quality Control Check Sample (LCS)

**METHOD : EPA 8260** Project No: 974002.00 **REPORTING UNITS : µg/L - LCS**
**µg/Kg - MB**

**DATE PERFORMED:** 4/11/97
**SUPPLY SOURCE:** Absolut Standards, Inc. **LAB LCS ID:** LCS 4/11 #2 MS2
**LOT NUMBER:** 012095(gases), 051596(liq.)
**DATE OF SOURCE:** 3/14/97

| ANALYTE | | MB 4/11 #2 | SPIKE CONC | RESULT | %RECOVERY | ACP %REC LIMIT |
|---|---|---|---|---|---|---|
| Benzene | | ND | 25 | 25.9 | 104% | 85%-115% |
| Bromodichloromethane | | ND | 25 | 25.8 | 103% | 85%-115% |
| Bromoform | | ND | 25 | 28.7 | 115% | 85%-115% |
| Bromomethane | | ND | 25 | 17.0 | 68% | 85%-115% |
| Carbon tetrachloride | | ND | 25 | 23.9 | 96% | 85%-115% |
| Chlorobenzene | | ND | 25 | 25.3 | 101% | 85%-115% |
| Chloroethane | | ND | 25 | 19.0 | 76% | 85%-115% |
| Chloroform | | ND | 25 | 22.9 | 92% | 85%-115% |
| Chloromethane | | ND | 25 | 18.2 | 73% | 85%-115% |
| Dibromochloromethane | | ND | 25 | 27.5 | 110% | 85%-115% |
| 1,2-Dichlorobenzene | | ND | 25 | 26.1 | 104% | 85%-115% |
| 1,3-Dichlorobenzene | | ND | 25 | 24.6 | 98% | 85%-115% |
| 1,4-Dichlorobenzene | | ND | 25 | 24.2 | 97% | 85%-115% |
| Dichlorodifluoromethane (Freon 12) | | ND | 25 | 22.4 | 90% | 85%-115% |
| 1,1-Dichloroethane (1,1-DCA) | | ND | 25 | 21.7 | 87% | 85%-115% |
| 1,2-Dichloroethane (1,2-DCA) | | ND | 25 | 23.9 | 95% | 85%-115% |
| 1,1-Dichloroethene (1,1-DCE) | | ND | 25 | 23.8 | 95% | 85%-115% |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | ND | 25 | 22.8 | 91% | 85%-115% |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | ND | 25 | 22.2 | 89% | 85%-115% |
| 1,2-Dichloropropane | | ND | 25 | 24.5 | 98% | 85%-115% |
| cis-1,3-Dichloropropene | | ND | 25 | 25.4 | 101% | 85%-115% |
| trans-1,3-Dichloropropene | | ND | 25 | 25.0 | 100% | 85%-115% |
| Ethyl benzene | | ND | 25 | 24.5 | 98% | 85%-115% |
| Methylene chloride (Dichloromethane) | | ND | 25 | 23.9 | 96% | 85%-115% |
| 1,1,1,2-Tetrachloroethane | | ND | 25 | 26.4 | 105% | 85%-115% |
| 1,1,2,2-Tetrachloroethane | | ND | 25 | 25.0 | 100% | 85%-115% |
| Tetrachloroethene (PCE) | | ND | 25 | 27.1 | 108% | 85%-115% |
| Toluene | | ND | 25 | 24.5 | 98% | 85%-115% |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | ND | 25 | 21.3 | 85% | 85%-115% |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | ND | 25 | 27.2 | 109% | 85%-115% |
| Trichloroethene (TCE) | | ND | 25 | 24.9 | 99% | 85%-115% |
| Trichlorofluoromethane (Freon 11) | | ND | 25 | 18.8 | 75% | 85%-115% |
| m,p-Xylenes | | ND | 50 | 47.6 | 95% | 85%-115% |
| o-Xylene | | ND | 25 | 24.5 | 98% | 85%-115% |
| Vinyl chloride (VC) | | ND | 25 | 18.1 | 73% | 85%-115% |
| SURROGATE | SPK conc | %RC | | %RC | | |
| Dibromofluoromethane | 50 | 92% | | 91% | | |
| Toluene-d8 | 50 | 100% | | 101% | | |
| 4-Bromofluorobenzene | 50 | 98% | | 103% | | |

Notes : ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

# LABORATORY QA/QC REPORT FOR ORGANICS

METHOD : EPA 8260 Project No: 974002.00 REPORTING UNITS : µg/Kg

DATE PERFORMED: 4/11/97
BATCH #: 0411-1
LAB SAMPLE ID #: 1D057-24

| ANALYTE | | SAMPLE RESULT | SPIKE CONC | MS | %MS | SPIKE CONC (DUP) | MSD | %MSD | RPD | MS/MSD LIMIT | RPD LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | ND | 125 | 123 | 98% | 125 | 128 | 102% | 4% | 70%-130% | 20 |
| Chlorobenzene | | ND | 125 | 120 | 96% | 125 | 122 | 98% | 2% | 70%-130% | 20 |
| Chloroform | | ND | 125 | 116 | 93% | 125 | 123 | 98% | 6% | 70%-130% | 20 |
| 1,1-Dichloroethane (1,1-DCA) | | ND | 125 | 108 | 86% | 125 | 116 | 93% | 8% | 70%-130% | 20 |
| 1,2-Dichloroethane (1,2-DCA) | | ND | 125 | 124 | 99% | 125 | 133 | 107% | 7% | 70%-130% | 20 |
| 1,1-Dichloroethene (1,1-DCE) | | ND | 125 | 104 | 84% | 125 | 111 | 89% | 6% | 70%-130% | 20 |
| Tetrachloroethene (PCE) | | ND | 125 | 145 | 116% | 125 | 161 | 129% | 10% | 70%-130% | 20 |
| Toluene | | ND | 125 | 124 | 99% | 125 | 127 | 102% | 2% | 70%-130% | 20 |
| Trichloroethene (TCE) | | 3.3 | 125 | 126 | 98% | 125 | 130 | 101% | 3% | 70%-130% | 20 |
| SURROGATE | SPK conc | %RC | | %RC | | | %RC | | | | |
| Dibromofluoromethane | 50 | 97% | | 94% | | | 96% | | | | |
| Toluene-d8 | 50 | 100% | | 102% | | | 102% | | | | |
| 4-Bromofluorobenzene | 50 | 95% | | 100% | | | 100% | | | | |

Notes :
ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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**ONSITE**
ENVIRONMENTAL
LABORATORIES, INC.

# LABORATORY QA/QC REPORT FOR ORGANICS

METHOD : EPA 8260 Project No: 974002.00 REPORTING UNITS : µg/Kg

DATE PERFORMED: 4/11/97
BATCH #: 0411-3
LAB SAMPLE ID #: 1D057-50

| ANALYTE | | SAMPLE RESULT | SPIKE CONC | MS* | %MS | SPIKE CONC (DUP) | MSD | %MSD | RPD | MS/MSD LIMIT | RPD LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | ND | 125 | | | 125 | 130 | 104% | N/A | 70%-130% | 20 |
| Chlorobenzene | | ND | 125 | | | 125 | 130 | 104% | N/A | 70%-130% | 20 |
| Chloroform | | ND | 125 | | | 125 | 106 | 85% | N/A | 70%-130% | 20 |
| 1,1-Dichloroethane (1,1-DCA) | | ND | 125 | | | 125 | 105 | 84% | N/A | 70%-130% | 20 |
| 1,2-Dichloroethane (1,2-DCA) | | ND | 125 | | | 125 | 122 | 97% | N/A | 70%-130% | 20 |
| 1,1-Dichloroethene (1,1-DCE) | | ND | 125 | | | 125 | 106 | 85% | N/A | 70%-130% | 20 |
| Tetrachloroethene (PCE) | | ND | 125 | | | 125 | 146 | 117% | N/A | 70%-130% | 20 |
| Toluene | | ND | 125 | | | 125 | 137 | 109% | N/A | 70%-130% | 20 |
| Trichloroethene (TCE) | | ND | 125 | | | 125 | 121 | 97% | N/A | 70%-130% | 20 |
| SURROGATE | SPK conc | %RC | | %RC | | | %RC | | | | |
| Dibromofluoromethane | 50 | 96% | | | | | 97% | | | | |
| Toluene-d8 | 50 | 100% | | | | | 100% | | | | |
| 4-Bromofluorobenzene | 50 | 98% | | | | | 104% | | | | |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed
* - Was not completed due to autosampler error

Gareth Voigt
Laboratory Director

MAY 0 6 1997
Date

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ONSITE ENVIRONMENTAL LABORATORIES, INC.

# LABORATORY QA/QC REPORT FOR ORGANICS

## Laboratory Quality Control Check Sample (LCS)

**METHOD : EPA 8260** Project No: 974002.00 **REPORTING UNITS : µg/L - LCS**
**µg/Kg - MB**

**DATE PERFORMED:** 4/11/97
**SUPPLY SOURCE:** Absolute Standards, Inc. **LAB LCS ID:** LCS 4/11 #1 MS3
**LOT NUMBER:** 012095(gases), 051596(liq.)
**DATE OF SOURCE:** 3/14/97

| ANALYTE | | MB 4/11 #1 | SPIKE CONC | RESULT | %RECOVERY | ACP %REC LIMIT |
|---|---|---|---|---|---|---|
| Benzene | | ND | 25 | 26.1 | 105% | 85%-115% |
| Bromodichloromethane | | ND | 25 | 26.4 | 106% | 85%-115% |
| Bromoform | | ND | 25 | 26.4 | 105% | 85%-115% |
| Bromomethane | | ND | 25 | 21.3 | 85% | 85%-115% |
| Carbon tetrachloride | | ND | 25 | 26.7 | 107% | 85%-115% |
| Chlorobenzene | | ND | 25 | 27.2 | 109% | 85%-115% |
| Chloroethane | | ND | 25 | 24.5 | 98% | 85%-115% |
| Chloroform | | ND | 25 | 27.3 | 109% | 85%-115% |
| Chloromethane | | ND | 25 | 25.7 | 103% | 85%-115% |
| Dibromochloromethane | | ND | 25 | 27.2 | 109% | 85%-115% |
| 1,2-Dichlorobenzene | | ND | 25 | 25.8 | 103% | 85%-115% |
| 1,3-Dichlorobenzene | | ND | 25 | 26.3 | 105% | 85%-115% |
| 1,4-Dichlorobenzene | | ND | 25 | 26.2 | 105% | 85%-115% |
| Dichlorodifluoromethane (Freon 12) | | ND | 25 | 23.4 | 94% | 85%-115% |
| 1,1-Dichloroethane (1,1-DCA) | | ND | 25 | 26.7 | 107% | 85%-115% |
| 1,2-Dichloroethane (1,2-DCA) | | ND | 25 | 26.2 | 105% | 85%-115% |
| 1,1-Dichloroethene (1,1-DCE) | | ND | 25 | 26.1 | 104% | 85%-115% |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | ND | 25 | 26.6 | 106% | 85%-115% |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | ND | 25 | 26.9 | 108% | 85%-115% |
| 1,2-Dichloropropane | | ND | 25 | 26.1 | 105% | 85%-115% |
| cis-1,3-Dichloropropene | | ND | 25 | 26.0 | 104% | 85%-115% |
| trans-1,3-Dichloropropene | | ND | 25 | 25.9 | 104% | 85%-115% |
| Ethyl benzene | | ND | 25 | 26.6 | 106% | 85%-115% |
| Methylene chloride (Dichloromethane) | | ND | 25 | 25.9 | 104% | 85%-115% |
| 1,1,1,2-Tetrachloroethane | | ND | 25 | 25.9 | 104% | 85%-115% |
| 1,1,2,2-Tetrachloroethane | | ND | 25 | 26.3 | 105% | 85%-115% |
| Tetrachloroethene (PCE) | | ND | 25 | 27.1 | 108% | 85%-115% |
| Toluene | | ND | 25 | 26.1 | 104% | 85%-115% |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | ND | 25 | 26.7 | 107% | 85%-115% |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | ND | 25 | 26.0 | 104% | 85%-115% |
| Trichloroethene (TCE) | | ND | 25 | 26.0 | 104% | 85%-115% |
| Trichlorofluoromethane (Freon 11) | | ND | 25 | 21.5 | 86% | 85%-115% |
| m,p-Xylenes | | ND | 50 | 54.2 | 108% | 85%-115% |
| o-Xylene | | ND | 25 | 27.2 | 109% | 85%-115% |
| Vinyl chloride (VC) | | ND | 25 | 22.0 | 88% | 85%-115% |
| SURROGATE | SPK conc | %RC | | %RC | | |
| Dibromofluoromethane | 50 | 107% | | 106% | | |
| Toluene-d8 | 50 | 103% | | 102% | | |
| 4-Bromofluorobenzene | 50 | 104% | | 105% | | |

Notes : ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

ONSITE ENVIRONMENTAL LABORATORIES, INC.

# LABORATORY QA/QC REPORT FOR ORGANICS

## Laboratory Quality Control Check Sample (LCS)

**METHOD : EPA 8260** Project No: 974002.00 **REPORTING UNITS : µg/L - LCS**
**µg/Kg - MB**

**DATE PERFORMED:** 4/11/97
**SUPPLY SOURCE:** Absolut Standards, Inc. **LAB LCS ID:** LCS 4/11 #2 MS3
**LOT NUMBER:** 012095(gases), 051596(liq.)
**DATE OF SOURCE:** 3/14/97

| ANALYTE | | MB 4/11 #2 | SPIKE CONC | RESULT | %RECOVERY | ACP %REC LIMIT |
|---|---|---|---|---|---|---|
| Benzene | | ND | 25 | 25.5 | 102% | 85%-115% |
| Bromodichloromethane | | ND | 25 | 26.0 | 104% | 85%-115% |
| Bromoform | | ND | 25 | 25.6 | 103% | 85%-115% |
| Bromomethane | | ND | 25 | 20.3 | 81% | 85%-115% |
| Carbon tetrachloride | | ND | 25 | 26.1 | 105% | 85%-115% |
| Chlorobenzene | | ND | 25 | 26.2 | 105% | 85%-115% |
| Chloroethane | | ND | 25 | 23.6 | 94% | 85%-115% |
| Chloroform | | ND | 25 | 26.7 | 107% | 85%-115% |
| Chloromethane | | ND | 25 | 24.0 | 96% | 85%-115% |
| Dibromochloromethane | | ND | 25 | 26.2 | 105% | 85%-115% |
| 1,2-Dichlorobenzene | | ND | 25 | 25.3 | 101% | 85%-115% |
| 1,3-Dichlorobenzene | | ND | 25 | 25.5 | 102% | 85%-115% |
| 1,4-Dichlorobenzene | | ND | 25 | 25.8 | 103% | 85%-115% |
| Dichlorodifluoromethane (Freon 12) | | ND | 25 | 22.2 | 89% | 85%-115% |
| 1,1-Dichloroethane (1,1-DCA) | | ND | 25 | 26.3 | 105% | 85%-115% |
| 1,2-Dichloroethane (1,2-DCA) | | ND | 25 | 26.2 | 105% | 85%-115% |
| 1,1-Dichloroethene (1,1-DCE) | | ND | 25 | 25.6 | 102% | 85%-115% |
| cis-1,2-Dichloroethene (c-1,2-DCE) | | ND | 25 | 26.0 | 104% | 85%-115% |
| trans-1,2-Dichloroethene (t-1,2-DCE) | | ND | 25 | 26.3 | 105% | 85%-115% |
| 1,2-Dichloropropane | | ND | 25 | 25.6 | 102% | 85%-115% |
| cis-1,3-Dichloropropene | | ND | 25 | 25.2 | 101% | 85%-115% |
| trans-1,3-Dichloropropene | | ND | 25 | 25.5 | 102% | 85%-115% |
| Ethyl benzene | | ND | 25 | 25.2 | 101% | 85%-115% |
| Methylene chloride (Dichloromethane) | | ND | 25 | 25.3 | 101% | 85%-115% |
| 1,1,1,2-Tetrachloroethane | | ND | 25 | 25.3 | 101% | 85%-115% |
| 1,1,2,2-Tetrachloroethane | | ND | 25 | 26.1 | 104% | 85%-115% |
| Tetrachloroethene (PCE) | | ND | 25 | 25.9 | 104% | 85%-115% |
| Toluene | | ND | 25 | 25.0 | 100% | 85%-115% |
| 1,1,1-Trichloroethane (1,1,1-TCA) | | ND | 25 | 26.5 | 106% | 85%-115% |
| 1,1,2-Trichloroethane (1,1,2-TCA) | | ND | 25 | 25.5 | 102% | 85%-115% |
| Trichloroethene (TCE) | | ND | 25 | 25.1 | 100% | 85%-115% |
| Trichlorofluoromethane (Freon 11) | | ND | 25 | 20.0 | 80% | 85%-115% |
| m,p-Xylenes | | ND | 50 | 52.1 | 104% | 85%-115% |
| o-Xylene | | ND | 25 | 26.4 | 106% | 85%-115% |
| Vinyl chloride (VC) | | ND | 25 | 20.9 | 84% | 85%-115% |
| SURROGATE | SPK conc | %RC | | %RC | | |
| Dibromofluoromethane | 50 | 108% | | 107% | | |
| Toluene-d8 | 50 | 103% | | 102% | | |
| 4-Bromofluorobenzene | 50 | 103% | | 103% | | |

Notes : ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

# LABORATORY QA/QC REPORT FOR ORGANICS

METHOD : EPA 8260 Project No: 974002.00 REPORTING UNITS : µg/Kg

DATE PERFORMED: 4/11/97
BATCH #: 0411-2
LAB SAMPLE ID #: 1D057-27

| ANALYTE | | SAMPLE RESULT | SPIKE CONC | MS | %MS | SPIKE CONC (DUP) | MSD | %MSD | RPD | MS/MSD LIMIT | RPD LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | ND | 125 | 118 | 95% | 125 | 121 | 97% | 2% | 70%-130% | 20 |
| Chlorobenzene | | ND | 125 | 119 | 95% | 125 | 122 | 98% | 2% | 70%-130% | 20 |
| Chloroform | | ND | 125 | 131 | 104% | 125 | 135 | 108% | 4% | 70%-130% | 20 |
| 1,1-Dichloroethane (1,1-DCA) | | ND | 125 | 132 | 105% | 125 | 136 | 109% | 3% | 70%-130% | 20 |
| 1,2-Dichloroethane (1,2-DCA) | | ND | 125 | 128 | 103% | 125 | 133 | 106% | 4% | 70%-130% | 20 |
| 1,1-Dichloroethene (1,1-DCE) | | 35 | 125 | 149 | 91% | 125 | 128 | 74% | 15% | 70%-130% | 20 |
| Tetrachloroethene (PCE) | | ND | 125 | 139 | 111% | 125 | 155 | 124% | 11% | 70%-130% | 20 |
| Toluene | | ND | 125 | 119 | 95% | 125 | 122 | 97% | 2% | 70%-130% | 20 |
| Trichloroethene (TCE) | | 71 | 125 | 208 M | 109% | 125 | 163 | 74% | #VALUE! | 70%-130% | 20 |
| SURROGATE | SPK conc | %RC | | %RC | | | %RC | | | | |
| Dibromofluoromethane | 50 | 108% | | 108% | | | 110% | | | | |
| Toluene-d8 | 50 | 102% | | 103% | | | 102% | | | | |
| 4-Bromofluorobenzene | 50 | 102% | | 101% | | | 103% | | | | |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

**ONSITE**
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LABORATORIES, INC.

# LABORATORY QA/QC REPORT FOR ORGANICS

METHOD : EPA 8260 Project No: 974002.00 REPORTING UNITS : µg/Kg

DATE PERFORMED: 4/11/97
BATCH #: 0411-4
LAB SAMPLE ID #: 1D057-57

| ANALYTE | | SAMPLE RESULT | SPIKE CONC | MS | %MS | SPIKE CONC (DUP) | MSD | %MSD | RPD | MS/MSD LIMIT | RPD LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | ND | 125 | 122 | 98% | 125 | 124 | 99% | 2% | 70%-130% | 20 |
| Chlorobenzene | | ND | 125 | 125 | 100% | 125 | 128 | 102% | 2% | 70%-130% | 20 |
| Chloroform | | ND | 125 | 132 | 106% | 125 | 135 | 108% | 2% | 70%-130% | 20 |
| 1,1-Dichloroethane (1,1-DCA) | | ND | 125 | 130 | 104% | 125 | 132 | 105% | 2% | 70%-130% | 20 |
| 1,2-Dichloroethane (1,2-DCA) | | ND | 125 | 132 | 106% | 125 | 134 | 107% | 2% | 70%-130% | 20 |
| 1,1-Dichloroethene (1,1-DCE) | | ND | 125 | 108 | 87% | 125 | 111 | 89% | 2% | 70%-130% | 20 |
| Tetrachloroethene (PCE) | | ND | 125 | 215 | 172% | 125 | 215 | 172% | 0% | 70%-130% | 20 |
| Toluene | | ND | 125 | 122 | 98% | 125 | 126 | 101% | 3% | 70%-130% | 20 |
| Trichloroethene (TCE) | | ND | 125 | 141 | 113% | 125 | 143 | 114% | 1% | 70%-130% | 20 |
| SURROGATE | SPK conc | %RC | | %RC | | | %RC | | | | |
| Dibromofluoromethane | 50 | 103% | | 105% | | | 105% | | | | |
| Toluene-d8 | 50 | 103% | | 103% | | | 102% | | | | |
| 4-Bromofluorobenzene | 50 | 102% | | 101% | | | 102% | | | | |

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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# QC DATA REPORT
# TRPH
## EPA Method 418.1

| | | | |
|---|---|---|---|
| **Date Sampled:** | 4/10/97 | **Proj Mgr:** | Rus Purcell |
| **Date Received:** | 4/11/97 | **Client:** | Kennedy/Jenks |
| **Date Analyzed:** | 4/11/97 | **Project:** | 974002.00 |
| **Date Extracted:** | 4/11/97 | **Matrix:** | Soil |
| **Report Number:** | 0411A.QAC | **Units:** | mg/Kg |
| **Lab Number:** | 2BB-36-12-15, 1D057-25 | | |

| Parameter | Blank 1 Result mg/Kg | Blank 2 Result mg/Kg | Spike Level mg/Kg | LCS Result mg/Kg | LCS Recov. % | Sample Result mg/Kg | MS Result mg/Kg | MS Recov. % | MSD Result mg/Kg | MSD Recov. % | RPD % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 418.1 | ND | ND | 25.0 | 27.0 | 108 | 0.0 | 28.8 | 115 | 30.2 | 121 | 4.7 |

**DEFINITION OF TERMS:**

ND - Analytes not detected at, or above the reporting limit
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference (MS - MSD) / ( (MS + MSD)/2) X 100
LCS - Laboratory Control Spike
LCSD- Laboratory Control Spike Duplicate

**LABORATORY QC CRITERIA**

| Parameter | Acceptable % Recoveries | | |
|---|---|---|---|
| TRPH | 60% | to | 140% |
| %RPD | 0% | to | 35% |

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# QC DATA REPORT
# TRPH
## EPA Method 418.1

| | | | |
|---|---|---|---|
| **Date Sampled:** | 4/11/97 | **Proj Mgr:** | Rus Purcell |
| **Date Received:** | 4/11/97 | **Client:** | Kennedy/Jenks |
| **Date Analyzed:** | 4/11/97 | **Project:** | 974002.00 |
| **Date Extracted:** | 4/11/97 | **Matrix:** | Soil |
| **Report Number:** | 0411B.QAC | **Units:** | mg/Kg |
| **Lab Number:** | 2BB-B-34-15, 1D057-55 | | |

| Parameter | Blank 1 Result mg/Kg | Blank 2 Result mg/Kg | Spike Level mg/Kg | LCS Result mg/Kg | LCS Recov. % | Sample Result mg/Kg | MS Result mg/Kg | MS Recov. % | MSD Result mg/Kg | MSD Recov. % | RPD % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 418.1 | ND | ND | 25.0 | 27.7 | 111 | 0.0 | 24.3 | 97 | 25.6 | 102 | 5.2 |

**DEFINITION OF TERMS:**

ND - Analytes not detected at, or above the reporting limit
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference (MS - MSD) /( (MS + MSD)/2) X 100
LCS - Laboratory Control Spike
LCSD- Laboratory Control Spike Duplicate

**LABORATORY QC CRITERIA**

| Parameter | Acceptable % Recoveries | | |
|---|---|---|---|
| TRPH | 60% | to | 140% |
| %RPD | 0% | to | 35% |

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# QC DATA REPORT
## TRPH
### EPA Method 418.1

| | | | |
|---|---|---|---|
| **Date Sampled:** | 4/11/97 | **Proj Mgr:** | Rus Purcell |
| **Date Received:** | 4/11/97 | **Client:** | Kennedy/Jenks |
| **Date Analyzed:** | 4/11/97 | **Project:** | 974002.00 |
| **Date Extracted:** | 4/11/97 | **Matrix:** | Soil |
| **Report Number:** | 0411C.QAC | **Units:** | mg/Kg |
| **Lab Number:** | 2BB-2-33-10. 1D057-48 | | |

| Parameter | Blank 1 Result mg/Kg | Blank 2 Result mg/Kg | Spike Level mg/Kg | LCS Result mg/Kg | LCS Recov. % | Sample Result mg/Kg | MS Result mg/Kg | MS Recov. % | MSD Result mg/Kg | MSD Recov. % | RPD % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 418.1 | ND | ND | 25.0 | 26.7 | 107 | 0.0 | 30.2 | 121 | 29.5 | 118 | 2.3 |

**DEFINITION OF TERMS:**

ND - Analytes not detected at, or above the reporting limit
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference (MS - MSD) /( (MS + MSD)/2) X 100
LCS - Laboratory Control Spike
LCSD- Laboratory Control Spike Duplicate

**LABORATORY QC CRITERIA**

| Parameter | Acceptable % Recoveries | | |
|---|---|---|---|
| TRPH | 60% | to | 140% |
| %RPD | 0% | to | 35% |

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# QC DATA REPORT
# TPH-E
**EPA Method 8015 Modified**

| | | | |
|---|---|---|---|
| **Date Analyzed:** | 4/17/97 | **Proj Mgr:** | Rus Purcell |
| **Date Extracted:** | 4/16/97 | **Client:** | Kennedy/Jenks |
| **Report Number:** | 0416SD.QAC | **Project:** | 974002.00 |
| **Lab Number:** | DIESEL: 2BB-2-34-1, 1D057-52 | **Matrix:** | Soil |
| | MOTOR OIL: 2BB-1-8-1, 1D055-27 | **Units:** | mg/Kg |

| Parameter | Blank Result mg/Kg | Spike Level mg/Kg | LCS Result mg/Kg | LCS Recov. % | Sample Result mg/Kg | MS Result mg/Kg | MS Recov. % | MSD Result mg/Kg | MSD Recov. % | RPD % |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH-E diesel | ND | 100 | 106 | 106 | 17.1 | 129 | 112 | 104 | 87 | 21.5 |
| TPH-E mo | ND | 107 | 101 | 94 | 10.6 | 103 | 86 | 104 | 87 | 1.0 |
| surr %rec dies. | 97 | | | 95 | 83 | | | | | |
| surr %rec mo | | | | 84 | 66 | | 75 | | 76 | |

**DEFINITION OF TERMS:**

ND - Analytes not detected at, or above the reporting limit
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference (MS - MSD) /( (MS + MSD)/2) X 100
LCS - Laboratory Control Spike
LCSD- Laboratory Control Spike Duplicate

**LABORATORY QC CRITERIA**

| Parameter | Acceptable % Recoveries | | |
|---|---|---|---|
| TPH-E | 65% | to | 135% |
| %RPD | 0% | to | 35% |

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ENVIRONMENTAL
LABORATORIES, INC.

# Daily Project Report

**(To be kept with the daily project data files)**

**Project:** Kennedy / Jenks DAC

**Date:** 4/11/97

**ONSITE Analysts/Technicians:** MY, AF, JJ

**Project Status (Circle One):** Analyze Samples **Standby** **Mob/Demob**

**Normal Hours and Overtime Hours Worked:**

Normal Hours 10

Overtime Hours 2

Reason for Overtime

**Sample Volume and Matrix**

# Samples Received and Matrix 57 soils for 8260 (8010/8020 list & 418.1

Time Last Samples Received

**Client Issues Raised:**

**ONSITE Action Plan:**

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# Analysis Request and C[illegible] of Custody Record

Lab Job No: _____
Page 1 of 1


**ORANGE COAST ANALYTICAL, INC.**

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970


REQUIRED TAT: _____

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| COMPANY: | Kennedy / Jenks | PROJECT NAME: | DAC |
| SEND REPORT TO: | | NUMBER: | 974002.00 |
| ADDRESS: | | LOCATION: | Bldg #1 - Basement |
| | | ADDRESS: | |
| PHONE: | FAX: | SAMPLED BY: | DMS |

ANALYSIS/METHOD REQUEST

| SAMPLE ID | NO. OF CONTAINERS | SAMPLE DATE | SAMPLE TIME | SAMPLE MATRIX | CONTAINER TYPE | PRES. | 8010 | 8020 | 418.1 | | | | | | REMARKS/PRECAUTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5-38-1 | 1 | 4/10/97 | 1530 | Soil | Stainless Steel | | X | X | X | | | | | | 1D057-01 |
| 5-38-4 | 1 | | 1535 | | | | X | X | X | | | | | | 02 |
| 5-38-10 | 1 | | 1545 | | | | X | X | X | | | | | | 03 |
| 5-37-1 | 1 | | 1555 | | | | X | X | X | | | | | | 04 |
| 5-37-4 | 1 | | 1600 | | | | X | X | X | | | | | | 05 |
| 5-37-10 | 1 | | 1605 | | | | X | X | X | | | | | | 06 |
| 5-30-1 | 1 | | 1635 | | | | X | X | X | | | | | | 07 |
| 5-30-4 | 1 | | 1645 | | | | X | X | X | | | | | | 08 |
| 5-30-10 | 1 | | 1650 | | | | X | X | X | | | | | | 09 |

| | | | |
|---|---|---|---|
| Total No. of Samples: | | Method of Shipment: | |
| Relinquished By: Dale M. S[illegible] | Date/Time: 4/10/97 2300 | Received By: Michael Jimenez | Date/Time: 4/11/97 9:35 |
| Relinquished By: | Date/Time: | Received By: | Date/Time: |
| Relinquished By: | Date/Time: | Received For Lab By: | Date/Time: |

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

# Analysis Request and C[illegible]n of Custody Record

Lab Job No: _____
Page 1 of 2


**ORANGE COAST ANALYTICAL, INC.**

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970


REQUIRED TAT: _____

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| COMPANY: Kennedy / Jenks | | PROJECT NAME: DAC | |
| SEND REPORT TO: | | NUMBER: 974002.00 | |
| ADDRESS: | | LOCATION: Bldg #1 - Secured Area | |
| | | ADDRESS: | |
| PHONE: | FAX: | SAMPLED BY: DMS | |

| SAMPLE ID | NO. OF CONTAINERS | SAMPLE DATE | SAMPLE TIME | SAMPLE MATRIX | CONTAINER TYPE | PRES. | 8010 | 8020 | 418.1 | | | | | REMARKS/PRECAUTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36-9-1 | 1 | 4/10/97 | 1755 | Soil | Stainless Steel | | X | X | X | | | | | 10057-10 |
| 36-9-4 | 1 | | 1810 | | | | X | X | X | | | | | 11 |
| 36-9-10 | 1 | | 1820 | | | | X | X | X | | | | | 12 |
| 36-9-15 | 1 | | 1840 | | | | X | X | X | | | | | 13 |
| 36-9-20 | 1 | | 1900 | | | | X | X | X | | | | | 14 |
| 36-9-25 | 1 | | 1915 | | | | X | X | X | | | | | 15 |
| 36-10-1 | 1 | | 1935 | | | | X | X | X | | | | | 16 |
| 36-10-4 | 1 | | 1945 | | | | X | X | X | | | | | 17 |
| 36-10-10 | 1 | | 1955 | | | | X | X | X | | | | | 18 |
| 36-10-15 | 1 | | 2020 | | | | X | X | X | | | | | 19 |
| 36-10-20 | 1 | | 2040 | | | | X | X | X | | | | | 20 |
| 36-10-25 | 1 | | 2050 | | | | X | X | X | | | | | 21 |
| 36-12-1 | 1 | | 2105 | | | | X | X | X | | | | | 22 |
| 36-12-4 | 1 | | 2115 | | | | X | X | X | | | | | 23 |

Total No. of Samples:

Method of Shipment:

| Relinquished By: | Date/Time: | Received By: | Date/Time: |
|---|---|---|---|
| Dalice Sf | 4/10/97 2300 | Michael Jmonty | 4/11/97 9:35 |
| Relinquished By: | Date/Time: | Received By: | Date/Time: |
| Relinquished By: | Date/Time: | Received For Lab By: | Date/Time: |

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

# Analysis Request and C[illegible] of Custody Record

Lab Job No: _____

Page 2 of 2


**ORANGE COAST ANALYTICAL, INC.**

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970


REQUIRED TAT: _____

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| COMPANY: | Kennedy/Jenks | PROJECT NAME: | DAC |
| SEND REPORT TO: | | NUMBER: | 974002.00 |
| ADDRESS: | | LOCATION: | Bldg #1 - Secured Area |
| | | ADDRESS: | |
| PHONE: | FAX: | SAMPLED BY: | DMS |

ANALYSIS/METHOD REQUEST: 8010, 8020, 418.1

| SAMPLE ID | NO. OF CONTAINERS | SAMPLE DATE | SAMPLE TIME | SAMPLE MATRIX | CONTAINER TYPE | PRES. | 8010 | 8020 | 418.1 | | | | | | REMARKS/PRECAUTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36-12-10 | 1 | 4/10/97 | 2135 | Soil | Stainless Steel | | X | X | X | | | | | | 10057-24 |
| 36-12-15 | 1 | | 2155 | | | | X | X | X | | | | | | 25 |
| 36-12-20 | 1 | | 2210 | | | | X | X | X | | | | | | 26 |
| 36-12-25 | 1 | | 2225 | | | | X | X | X | | | | | | 27 |

Total No. of Samples:

Method of Shipment:

| Relinquished By: | Date/Time: | Received By: | Date/Time: |
|---|---|---|---|
| Dale M. [illegible] | 4/10/97 2300 | Michael Jnanky | 4/11/97 9:35 |
| Relinquished By: | Date/Time: | Received By: | Date/Time: |
| Relinquished By: | Date/Time: | Received For Lab By: | Date/Time: |

Reporting Format: (check)

NORMAL _____ S.D. HMMD _____

RWQCB _____ OTHER _____

Sample Integrity: (check)

intact _____ on ice _____

# CHAIN OF CUSTODY RECOR AND ANALYSIS REQUEST

**ONSITE**
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

| | |
|---|---|
| Project Manager: | Rus Purcell |
| Client Name: | Kennedy / Jenks |
| Address: | 2151 Michelson Dr, Ste 100 |
| City, State ZIP | Irvine, CA 92612 |
| Phone: | 714-261-1577 |
| Fax: | 714-261-2134 |

| | |
|---|---|
| Bill to: | |
| Company: | |
| Address: | |
| City, State ZIP | |
| Phone: | |
| Fax: | |

| | |
|---|---|
| Date: | 4-11-97 |
| Page: | 1 of |
| Laboratory: | |
| Lab Number: | |

| | |
|---|---|
| Project Name: | Douglas Aircraft |
| Project Number: | 974002.00 |

| | |
|---|---|
| P.O. No.: | |

Analysis Requested

| Sample Identification | Date Sampled | Time Sampled | Matrix | Sampled & Relinquished By: | Time Relinquished: | Received By: | Lab ID | BTEX (8021) | TPH - Gas (8015M) | TPH - Diesel (8015M) | 418.1 | 8010/8020 | | | | No. Containers | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2BB-2-22-1 | 4-11-97 | 0835 | soil | JK | 1030 | MY | 10057-28 | | | | X | X | | | | 1 | |
| 2BB-2-22-4 | ↓ | 0838 | ↓ | ↓ | ↓ | ↓ | 29 | | | | X | X | | | | ↓ | |
| 2BB-2-22-10 | ↓ | 0845 | ↓ | ↓ | ↓ | ↓ | 30 | | | | X | X | | | | ↓ | |
| 2BB-2-22-15 | ↓ | 0850 | ↓ | ↓ | ↓ | ↓ | 31 | | | | X | X | | | | ↓ | |
| 2BB-2-22-20 | ↓ | 0855 | ↓ | ↓ | ↓ | ↓ | 32 | | | | X | X | | | | ↓ | |
| 2BB-2-22-25 | ↓ | 0900 | ↓ | ↓ | ↓ | ↓ | 33 | | | | X | X | | | | ↓ | |
| 2BB-2-31-1 | ↓ | 0940 | ↓ | ↓ | ↓ | ↓ | 34 | | | | X | X | | | | ↓ | |
| 2BB-2-31-4 | ↓ | 0945 | ↓ | ↓ | ↓ | ↓ | 35 | | | | X | X | | | | ↓ | |
| 2BB-2-31-10 | ↓ | 0955 | ↓ | ↓ | ↓ | ↓ | 36 | | | | X | X | | | | ↓ | |
| 2BB-2-31-15 | ↓ | 0957 | ↓ | ↓ | ↓ | ↓ | 37 | | | | X | X | | | | ↓ | |
| 2BB-2-31-20 | ↓ | 1007 | ↓ | ↓ | ↓ | ↓ | 38 | | | | X | X | | | | ↓ | |
| 2BB-2-31-25 | ↓ | 1015 | ↓ | ↓ | ↓ | ↓ | 39 | | | | X | X | | | | ↓ | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| Initials: | Printed Name: | Signature: | | |
|---|---|---|---|---|
| JK | Jay Knight | Jay Knight | Date: | 4-11-97 |
| MY | Michael Yurovsky | Michael Yurovsky | Start Time: | |
| | | | Stop Time: | |
| | | | Hours: | |
| | | | Client Sign-off: | |

| | |
|---|---|
| Total Containers: | |
| Received Intact: | |
| Received Cold: | |
| Custody Seals: | |

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0145165

# CHAIN OF CUSTODY RECOI AND ANALYSIS REQUEST

**ONSITE**
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

| | |
|---|---|
| Project Manager: | Rus Purcell |
| Client Name: | Kennedy / Jenks |
| Address: | 2151 Michelson Dr., Ste. 100 |
| City, State ZIP | Irvine, CA 92612 |
| Phone: | 714-261-1577 |
| Fax: | 261-2134 |

| | |
|---|---|
| Bill to: | |
| Company: | |
| Address: | |
| City, State ZIP | |
| Phone: | |
| Fax: | |

| | |
|---|---|
| Date: | 4-11-97 |
| Page: | 2 of |
| Laboratory: | |
| Lab Number: | |

| | |
|---|---|
| Project Name: | Douglas Aircraft |
| Project Number: | 974002-00 |

| | |
|---|---|
| P.O. No.: | |

Analysis Requested

| Sample Identification | Date Sampled | Time Sampled | Matrix | Sampled & Relinquished By: | Time Relinquished: | Received By: | Lab ID | BTEX (8021) | TPH - Gas (8015M) | TPH - Diesel (8015M) | 418.1 | 8010/8020 | | | | No. Containers | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2BB-2-32-1 | 4-11-97 | 1048 | Soil | JK | 1400 | MY | 10057-40 | | | | X | X | | | | 1 | |
| 2BB-2-32-4 | | 1053 | | | | | 41 | | | | X | X | | | | 1 | |
| 2BB-2-32-10 | | 1058 | | | | | 42 | | | | X | X | | | | 1 | |
| 2BB-2-32-15 | | 1100 | | | | | 43 | | | | X | X | | | | 1 | |
| 2BB-2-32-20 | | 1113 | | | | | 44 | | | | X | X | | | | 1 | |
| 2BB-2-32-25 | | 1120 | | | | | 45 | | | | X | X | | | | 1 | |
| 2BB-2-33-1 | | 1300 | | | | | 46 | | | | X | X | | | | 1 | |
| 2BB-2-33-4 | | 1306 | | | | | 47 | | | | X | X | | | | 1 | |
| 2BB-2-33-10 | | 1315 | | | | | 48 | | | | X | X | | | | 1 | |
| 2BB-2-33-15 | | 1320 | | | | | 49 | | | | X | X | | | | 1 | |
| 2BB-2-33-20 | | 1326 | | | | | 50 | | | | X | X | | | | 1 | |
| 2BB-2-33-25 | | 1338 | | | | | 51 | | | | X | X | | | | 1 | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| Initials: | Printed Name: | Signature: | | |
|---|---|---|---|---|
| JK | Jay Knight | Jay Knight | Date: | 4-11-97 |
| MY | Michael Yurovsky | Michael Yurovsky | Start Time: | |
| | | | Stop Time: | |
| | | | Hours: | |
| | | | Client Sign-off: | |

| | |
|---|---|
| Total Containers: | |
| Received Intact: | |
| Received Cold: | |
| Custody Seals: | |

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0145166