ENVIRON

October 24, 2005

Mr. Rafat Abbasi
Hazardous Substances Scientist/Project Manager
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

*Via E-Mail and U.S. Mail*

Re: Data Transmittal
Supplemental Norco High School Sampling

Dear Mr. Abbasi:

Attached please find the following summary tables (it is noted that Tables 1 through 4 include data for Norco High School collected previously and provided to the Department of Toxic Substances Control (DTSC) in a data transmittal dated August 16, 2005; the data are included again here for completeness).

- Table 1, summarizing the detected volatile organic compounds (VOCs) in active soil gas samples collected from Norco High School. Figure 1 shows the approximate locations of all active soil gas samples collected at the school.

- Table 2, summarizing the detected VOCs in indoor air quality (IAQ) samples and ambient outdoor air samples collected from Norco High School.. Figure 1 shows the approximate locations of all IAQ samples and ambient outdoor air samples collected at the school.

- Tables 3 and 4, summarizing the detected VOCs and emergent compounds detected in grab ground water samples collected from Norco High School. Figure 1 shows the approximate locations of all grab ground water samples collected at the school.

VOCs (cis-1,2-dichloroethene, tetrachloroethene [PCE], trichloroethene [TCE], and vinyl chloride) were detected in certain soil gas samples at trace concentrations. With one exception, these detected concentrations are well below DTSC "risk-based soil gas concentrations for Wyle-related VOCs that have migrated off site," as provided in DTSC's letter to Wyle dated June 2, 2005. Tetracholoroethene (PCE) was detected in one active soil gas sample, ASG-HS-16, at a concentration of 0.52 micrograms per liter (μg/l); this concentration marginally exceeds the DTSC "risk-based soil gas concentrations for Wyle-related VOCs that have migrated off site" for PCE of 0.34 μg/l.

PCE and TCE concentrations detected in IAQ samples at the school are generally consistent with PCE and TCE concentrations detected in ambient outdoor air samples. The exception to this is the concentration of TCE in IAQ-HS-9 (5.1 micrograms per cubic meter [$\mu g/m^3$], which is slightly elevated when compared to TCE concentrations in ambient outdoor air samples. However, TCE was detected in

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the duplicate of this sample at a concentration of only 0.60 $\mu g/m^3$, therefore the 5.1 $\mu g/m^3$ detection in the primary sample should be viewed as unreliable. Vinyl chloride was detected at low concentrations in three samples in the Science Building (IAQ-HS-6, IAQ-HS-10, and IAQ-HS-11) and was not detected in ambient outdoor air samples. However, its absence in the ambient outdoor air samples could be attributable to elevated detection limits for vinyl chloride in those ambient air samples. The correlation between detected compounds in soil gas and indoor air is not consistent, indicating potential indoor air sources for all three compounds (TCE, PCE, VC). Regardless, IAQ sample results do not indicate a significant acute or chronic health effect.

Trichloroethene (TCE) was detected in five (5) grab ground water samples collected in the northern area of the school (that area of the school property immediately north of the main school building and south of the baseball field), at concentrations ranging from 4.1 µg/l (ASG-HS-16) to 61 µg/l (ASG-HS-5). These detections were addressed as part of the Revised Technical Memorandum for Step Out Sampling in the Northwest Area that was submitted to DTSC on October 10, 2005. Vinyl chloride was not detected in any of the grab ground water samples.

As required by the DTSC, IAQ and ambient outdoor air sampling will be repeated at the same locations in four to six months (likely during Spring break).

If you should have any questions, please contact either of the undersigned at (949) 261-5151.

Very truly yours,

Rebekah J. Wale
Manager

Carol L. Serlin, P.G.
Principal

cc: Distribution

# TABLES

**TABLE 1**
**Summary of Detected VOCs in Active Soil Gas - Norco High School**
**Wyle Laboratories, Norco, California**
**Results in micrograms per liter (μg/L)**

| | | | Compound | | | |
|---|---|---|---|---|---|---|
| **Sample Number** | **Date Sampled** | **Sample Depth (ft)** | **cis-1,2-DCE** | **PCE** | **TCE** | **Vinyl Chloride** |
| ASG-HS1 | 7/28/05 | 4.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS2 | 7/28/05 | 5.0 | <0.0040 | **0.0057** | <0.0055 | <0.0026 |
| ASG-HS2 | 7/28/05 | 10.0 | <0.0040 | **0.017** | **0.0068** | <0.0026 |
| ASG-HS3 | 7/28/05 | 5.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS4 | 7/28/05 | 5.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS4 | 7/28/05 | 10.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS5 | 7/28/05 | 5.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS6 | 7/28/05 | 5.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS7 | 7/28/05 | 5.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS7 | 7/28/05 | 10.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS7 | 7/28/05 | 15.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS8 | 7/28/05 | 5.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS8 | 7/28/05 | 15.0 | <0.0040 | **0.0057** | **0.065** | <0.0026 |
| ASG-HS9 | 7/28/05 | 5.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS9 | 7/28/05 | 10.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS9 | 7/28/05 | 15.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS10 | 7/28/05 | 5.0 | <0.0040 | <0.0038 | **0.014** | **0.016** |
| ASG-HS10 | 7/28/05 | 15.0 | **0.008** | **0.03** | **0.49** | **0.0095** |
| ASG-HS11 | 7/28/05 | 5.0 | <0.0040 | **0.0077** | <0.0055 | <0.0026 |
| ASG-HS11 | 7/28/05 | 10.0 | <0.0040 | <0.0038 | <0.0055 | <0.0026 |
| ASG-HS-13 | 9/24/05 | 5.0 | NA | **0.0046** | **0.0086** | <0.00064 |
| ASG-HS-13 | 9/24/05 | 5.0 | NA | ***0.0037*** | ***0.0070*** | *<0.00032* |
| ASG-HS-13 | 9/24/05 | 10.0 | NA | **0.0042** | **0.019** | **0.00077** |
| ASG-HS-14 | 9/24/05 | 5.0 | NA | **0.0052** | **0.015** | **0.00033** |
| ASG-HS-15 | 9/24/05 | 5.0 | NA | **0.021** | **0.029** | <0.00020 |
| ASG-HS-15 | 9/24/05 | 15.0 | NA | **0.030** | **0.016** | <0.0013 |
| ASG-HS-16 | 9/24/05 | 5.0 | NA | **0.52** | **0.011** | <0.00016 |
| ASG-HS-17 | 9/24/05 | 5.0 | NA | **0.0056** | **0.0038** | **0.00089** |
| ASG-HS-18 | 9/24/05 | 5.0 | NA | **0.0095** | **0.0010** | <0.00027 |
| ASG-HS-18 | 9/24/05 | 10.0 | NA | **0.0085** | **0.00066** | <0.000091 |
| ASG-HS-19 | 9/24/05 | 5.0 | NA | **0.0097** | **0.00075** | <0.000094 |
| ASG-HS-19 | 9/24/05 | 15.0 | NA | **0.0058** | **0.00047** | <0.000081 |
| ASG-HS-20 | 9/17/05 | 4.5 | NA | **0.00091** | **0.0026** | <0.000070 |
| ASG-HS-20 | 9/17/05 | 4.5 | NA | ***0.0056*** | ***0.0038*** | *<0.00011* |
| ASG-HS-22 | 9/17/05 | 5.0 | NA | **0.00095** | <0.00021 | <0.000098 |
| ASG-HS-23 | 9/17/05 | 5.0 | NA | **0.0060** | **0.0072** | <0.000080 |
| ASG-HS-24 | 9/17/05 | 5.0 | NA | **0.00062** | <0.00031 | <0.00015 |
| ASG-HS-26 | 9/17/05 | 5.0 | NA | **0.0042** | **0.00033** | <0.000084 |
| ASG-HS-27 | 9/17/05 | 5.0 | NA | **0.0069** | **0.0020** | <0.000093 |

**TABLE 1**
**Summary of Detected VOCs in Active Soil Gas - Norco High School**
**Wyle Laboratories, Norco, California**
**Results in micrograms per liter (μg/L)**

| | | | Compound | | | |
|---|---|---|---|---|---|---|
| **Sample Number** | **Date Sampled** | **Sample Depth (ft)** | **cis-1,2-DCE** | **PCE** | **TCE** | **Vinyl Chloride** |
| ASG-HS-28 | 9/17/05 | 5.0 | NA | <0.0013 | <0.0010 | <0.00048 |
| ASG-HS-29 | 9/17/05 | 5.0 | NA | **0.0085** | **0.0018** | <0.00011 |
| ASG-HS-30 | 9/17/05 | 5.0 | NA | **0.013** | **0.00091** | <0.00027 |
| ASG-HS-31 | 9/17/05 | 5.0 | NA | **0.0082** | **0.00049** | <0.000098 |
| ASG-HS-32 | 9/24/05 | 5.0 | NA | **0.0096** | **0.00045** | <0.00012 |
| ASG-HS-33 | 9/24/05 | 5.0 | NA | **0.0023** | <0.00021 | <0.000098 |
| ASG-HS-33 | 9/24/05 | 10.0 | NA | **0.0026** | **0.0030** | **0.00023** |
| ASG-HS-35 | 9/24/05 | 5.0 | NA | **0.0028** | **0.0037** | <0.000081 |
| ASG-HS-36 | 9/24/05 | 5.0 | NA | **0.0034** | **0.0058** | <0.00010 |
| ASG-HS-37 | 9/24/05 | 5.0 | NA | **0.0065** | **0.00038** | <0.00012 |
| ASG-HS-38 | 9/24/05 | 5.0 | NA | **0.0040** | <0.00044 | <0.00021 |
| ASG-HS-38 | 9/24/05 | 10.0 | NA | **0.0054** | **0.00064** | <0.000086 |

Abbreviations
cis-1,2-DCE = cis-1,2-Dichloroethylene
PCE = Tetrachloroethylene
TCE = Trichloroethylene
ft = feet
Duplicate results are shown in italics.

**TABLE 2**
**Summary of Detected VOCs in Indoor Air - Norco High School**
**Wyle Laboratories, Norco, California**
**Results in micrograms per cubic meter (μg/m3)**

| | | Compound | | |
|---|---|---|---|---|
| **Sample Number** | **Date Sampled** | **PCE** | **TCE** | **Vinyl Chloride** |
| OUT-HS-1 | 7/27/05 | <1.1 | <0.91 | <0.43 |
| OUT-HS-2 | 7/27/05 | <68 | <54 | <26 |
| IAQ-HS-OUT | 9/1/05 | **0.56** | <0.25 | <0.12 |
| IAQ-HS-OUT | 9/16/05 | **0.70** | **0.17** | <0.075 |
| IAQ-HS-OUT | 9/23/05 | <0.32 | <0.25 | <0.12 |
| IAQ-HS-1 | 7/27/05 | **0.28** | <0.13 | <0.064 |
| IAQ-HS-2 | 7/27/05 | **0.39** | **0.33** | <0.068 |
| IAQ-HS-3 | 7/27/05 | **0.39** | **1.3** | <0.064 |
| IAQ-HS-4 | 7/27/05 | **0.37** | <0.13 | <0.064 |
| IAQ-HS-5 | 7/27/05 | **0.27** | <0.13 | <0.064 |
| IAQ-HS-6 | 7/27/05 | **0.29** | **0.25** | **0.17** |
| IAQ-HS-7 | 7/27/05 | **0.33** | <0.13 | <0.064 |
| IAQ-HS-8 | 7/27/05 | **0.34** | <0.13 | <0.064 |
| IAQ-HS-9 | 9/1/05 | **1.1** | **5.1** | <0.075 |
| IAQ-HS-9 | 9/1/05 | ***2.6*** | ***0.60*** | *<0.11* |
| IAQ-HS-10 | 9/1/05 | **0.54** | **0.18** | **0.28** |
| IAQ-HS-11 | 9/1/05 | **0.47** | <0.13 | **0.081** |
| IAQ-HS-12 | 9/1/05 | **0.40** | <0.13 | <0.064 |
| IAQ-HS-13 | 9/23/05 | **0.35** | <0.21 | <0.098 |
| IAQ-HS-14 | 9/23/05 | <0.62 | <0.49 | <0.23 |
| IAQ-HS-14 | 9/23/05 | *<0.43* | *<0.34* | *<0.16* |
| IAQ-HS-15 | 9/23/05 | **0.26** | <0.18 | <0.084 |
| IAQ-HS-16 | 9/16/05 | **0.63** | **0.32** | <0.064 |
| IAQ-HS-17 | 9/16/05 | **0.64** | <0.27 | <0.13 |
| IAQ-HS-18 | 9/16/05 | <0.54 | <0.43 | <0.20 |
| IAQ-HS-18 | 9/16/05 | *<0.56* | *<0.44* | *<0.21* |
| IAQ-HS-19 | 9/23/05 | **1.6** | <0.16 | <0.077 |
| IAQ-HS-20 | 9/23/05 | <0.23 | <0.18 | <0.087 |

Abbreviations
PCE = Tetrachloroethylene
TCE = Trichloroethylene
ft = feet
Duplicate results are shown in italics.

**TABLE 3**
**Summary of Detected VOCs in Ground Water - Norco High School**
**Wyle Laboratories, Norco, California**
**Results in micrograms per liter (μg/L)**

| | | | Compound | | | | |
|---|---|---|---|---|---|---|---|
| **Sample Number** | **Date Sampled** | **Sample Depth (ft)** | **Chloroform** | **m&p xylenes** | **PCE** | **TCE** | **TCFM** |
| ASG-HS3 | 7/28/05 | 15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| ASG-HS4 | 7/28/05 | 15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| ASG-HS5 | 7/28/05 | 15 | <1.0 | **1.6** | **8.3** | **61** | **1.1** |
| ASG-HS11 | 7/28/05 | 15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| ASG-HS-13 | 9/24/05 | 13 | <1.0 | <1.0 | **1.2** | **23** | <1.0 |
| ASG-HS-14 | 9/24/05 | 12 | <1.0 | <1.0 | **1.1** | **19** | <1.0 |
| ASG-HS-16 | 9/24/05 | 8 | <1.0 | <1.0 | <1.0 | **4.1** | <1.0 |
| ASG-HS-16 | 9/24/05 | 8 | *<1.0* | *<1.0* | *<1.0* | ***2.8*** | *<1.0* |
| ASG-HS-26 | 9/17/05 | 15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| ASG-HS-27 | 9/17/05 | 15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| ASG-HS-28 | 9/17/05 | 15 | **1.2** | <1.0 | <1.0 | <1.0 | <1.0 |
| ASG-HS-29 | 9/17/05 | 15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| ASG-HS-30 | 9/17/05 | 15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| ASG-HS-30 | 9/17/05 | 15 | *<1.0* | *<1.0* | *<1.0* | *<1.0* | *<1.0* |
| ASG-HS-31 | 9/17/05 | 15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| ASG-HS-36 | 9/24/05 | 10 | <1.0 | <1.0 | <1.0 | **14** | <1.0 |

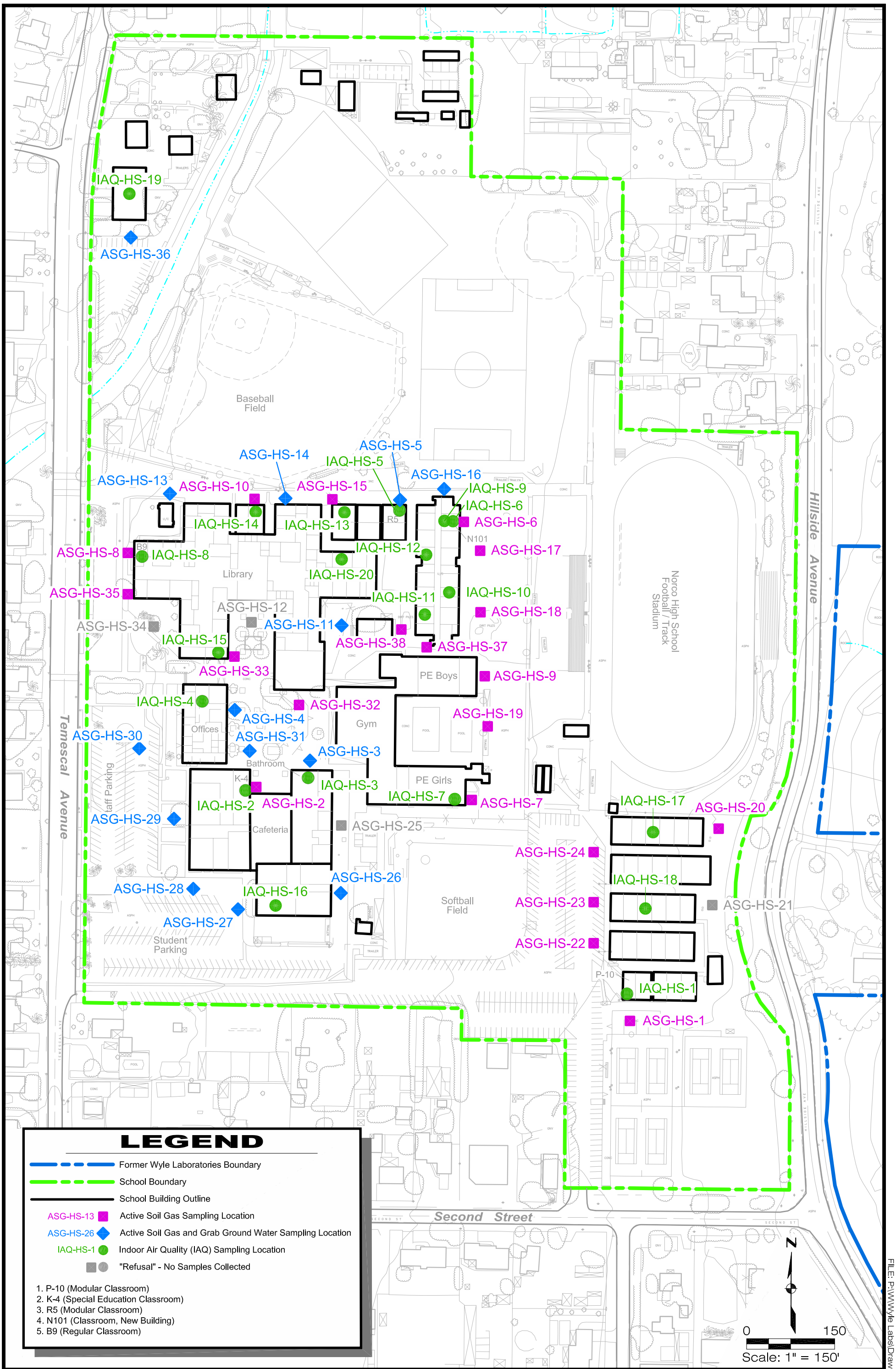
Abbreviations

PCE = Tetrachloroethylene
TCE = Trichloroethylene
TCFM = Trichlorofluoromethane
ft = feet

**TABLE 4**
**Summary of Detected Emergent Compounds in Ground Water - Norco High School**
**Wyle Laboratories, Norco, California**
**Results in micrograms per liter (μg/L)**

| | | | Compound |
|---|---|---|---|
| **Sample Number** | **Date Sampled** | **Sample Depth (feet)** | **Perchlorate** |
| ASG-HS3 | 7/28/05 | 15 | **12** |
| ASG-HS4 | 7/28/05 | 15 | <2.0 |
| ASG-HS5 | 7/28/05 | 15 | **4.8** |
| ASG-HS11 | 7/28/05 | 15 | <2.0 |

# FIGURES




ENVIRON

DRAWN BY: JJC | DATE: 10/20/05 | REVISED:

# Active Soil Gas, Grab Ground Water, and Indoor Air Quality Sampling Locations

**Norco High School**
**2065 Temescal Avenue, Norco, California**

PROJECT NO.: 04-8099P

Figure **1**

FILE: P:\WWyle Labs\Drawings\8099PF1M

**Calscience Environmental Laboratories, Inc.**

Supplemental Report 2

October 24, 2005

Rebekah Wale
ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Subject: **Calscience Work Order No.: 05-09-1036**
**Client Reference: Wyle Labs - Norco / 04-8099P**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/19/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

for

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience
Environmental
Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

## CASE NARRATIVE

**Calscience Work Order No.: 05-09-1036**

Provided below is a narrative of our analytical effort, including any unique features or anomalies encountered as part of the analysis of the air samples.

***Sample Condition on Receipt***

Eleven (11) one-liter Summa canisters (SIM Certified) were received for this project on September 19, 2005. There were no receiving discrepancies.

Testing was performed in accordance with the COC instructions. The laboratory performed analysis using EPA Method TO-15 using GC/MS in the SIM acquisition mode for PCE, TCE, and vinyl chloride.

***Data Summary***

For all samples, one or more internal standards were out of control. Reanalysis of the samples rendered the same outcome, thus the data is released with no further action.

Holding times

EPA Compendium Method TO-15 does not provide a recommended holding time, but does suggest that most VOCs can be recovered from Summa canisters near their original concentrations after storage times of up to 30 days after collection. All samples were analyzed within 30 days of their collection.

Calibration

Frequency and control criteria specified in the method for initial and continuing calibration verifications were met.

Blanks

Concentrations of target analytes in the Method Blank were found to be below reporting limits.

Laboratory Control Samples

Laboratory Control Sample analyses were performed at the required frequencies. All parameters were within the specified %Rec and RPD quality control limits.

Matrix Spikes

Matrix spiking does not apply for this method

Other

None

Acronyms

| | |
|---|---|
| GC/MS: | Gas Chromatography/Mass Spectroscopy |
| %Rec: | % Recovery |
| RPD: | Relative Percent Difference |
| SIM: | Selective Ion Monitoring |
| VOCs: | Volatile Organic Compounds |
| TCE: | Trichloroethene |
| PCE: | Tetrachloroethene |

Calscience Environmental Laboratories, Inc.

# Analytical Report

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: 09/19/05
Work Order No: 05-09-1036
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/L

Project: Wyle Labs - Norco / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-27-5 | 05-09-1036-1 | 09/17/05 | Air | N/A | 09/20/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000093 | 1.46 | | Tetrachloroethene | 0.0069 | 0.0002 | 1.46 | |
| Trichloroethene | 0.0020 | 0.0002 | 1.46 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 101 | 57-129 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-28-5 | 05-09-1036-2 | 09/17/05 | Air | N/A | 09/20/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00048 | 7.55 | | Tetrachloroethene | ND | 0.0013 | 7.55 | |
| Trichloroethene | ND | 0.0010 | 7.55 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 60 | 57-129 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-22-5 | 05-09-1036-3 | 09/17/05 | Air | N/A | 09/20/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000098 | 1.53 | | Tetrachloroethene | 0.00095 | 0.00026 | 1.53 | |
| Trichloroethene | ND | 0.00021 | 1.53 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 85 | 57-129 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-24-5 | 05-09-1036-4 | 09/17/05 | Air | N/A | 09/20/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00015 | 2.33 | | Tetrachloroethene | 0.00062 | 0.0004 | 2.33 | |
| Trichloroethene | ND | 0.00031 | 2.33 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 83 | 57-129 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-23-5 | 05-09-1036-5 | 09/17/05 | Air | N/A | 09/21/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000080 | 1.25 | | Tetrachloroethene | 0.0060 | 0.0007 | 4 | |
| Trichloroethene | 0.0072 | 0.0005 | 4 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 101 | 57-129 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

**Calscience Environmental Laboratories, Inc.**

# Analytical Report

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/19/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1036 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 SIM |
| | | Units: | ug/L |

Project: Wyle Labs - Norco / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-20-4.5-D | 05-09-1036-6 | 09/17/05 | Air | N/A | 09/21/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00011 | 1.72 | | Tetrachloroethene | 0.0056 | 0.0003 | 1.72 | |
| Trichloroethene | 0.0038 | 0.0002 | 1.72 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 91 | 57-129 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-20-4.5 | 05-09-1036-7 | 09/17/05 | Air | N/A | 09/21/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000070 | 1.09 | | Tetrachloroethene | 0.00091 | 0.00018 | 1.09 | |
| Trichloroethene | 0.0026 | 0.0001 | 1.09 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 85 | 57-129 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-26-5 | 05-09-1036-8 | 09/17/05 | Air | N/A | 09/21/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000084 | 1.32 | | Tetrachloroethene | 0.0042 | 0.0002 | 1.32 | |
| Trichloroethene | 0.00033 | 0.00018 | 1.32 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 91 | 57-129 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-31-5 | 05-09-1036-9 | 09/17/05 | Air | N/A | 09/21/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000098 | 1.53 | | Tetrachloroethene | 0.0082 | 0.0003 | 1.53 | |
| Trichloroethene | 0.00049 | 0.00021 | 1.53 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 96 | 57-129 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-30-5 | 05-09-1036-10 | 09/17/05 | Air | N/A | 09/21/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00027 | 4.26 | | Tetrachloroethene | 0.013 | 0.00072 | 4.26 | |
| Trichloroethene | 0.00091 | 0.00057 | 4.26 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 74 | 57-129 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

**Calscience Environmental Laboratories, Inc.**

# Analytical Report

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

| | |
|---|---|
| Date Received: | 09/19/05 |
| Work Order No: | 05-09-1036 |
| Preparation: | N/A |
| Method: | EPA TO-15 SIM |
| Units: | ug/L |

Project: Wyle Labs - Norco / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-29-5 | 05-09-1036-11 | 09/17/05 | Air | N/A | 09/21/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00011 | 1.77 | | Tetrachloroethene | 0.0085 | 0.0003 | 1.77 | |
| Trichloroethene | 0.0018 | 0.0002 | 1.77 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 103 | 57-129 | |

| Method Blank | 095-01-052-47 | N/A | Air | N/A | 09/20/05 | 050920L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000064 | 1 | | Tetrachloroethene | ND | 0.00017 | 1 | |
| Trichloroethene | ND | 0.00013 | 1 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 54 | 57-129 | X |

| Method Blank | 095-01-052-48 | N/A | Air | N/A | 09/21/05 | 050921L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000064 | 1 | | Tetrachloroethene | ND | 0.00017 | 1 | |
| Trichloroethene | ND | 0.00013 | 1 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 54 | 57-129 | X |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

**Calscience Environmental Laboratories, Inc.**

## Quality Control - LCS/LCS Duplicate

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: N/A
Work Order No: 05-09-1036
Preparation: N/A
Method: EPA TO-15 SIM

Project: Wyle Labs - Norco / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-47 | Air | GC/MS HH | N/A | 09/20/05 | 050920L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 90 | 88 | 60-140 | 2 | 0-30 | |
| 1,2-Dichloroethane | 93 | 91 | 60-140 | 2 | 0-30 | |
| 1,1,1,2-Tetrachloroethane | 89 | 89 | 60-140 | 0 | 0-30 | |
| Benzene | 89 | 87 | 60-140 | 3 | 0-30 | |
| Carbon Tetrachloride | 90 | 89 | 60-140 | 1 | 0-30 | |
| 1,1,2-Trichloroethane | 96 | 94 | 60-140 | 2 | 0-30 | |
| Toluene | 87 | 86 | 60-140 | 1 | 0-30 | |
| Trichloroethene | 92 | 90 | 60-140 | 2 | 0-30 | |
| Tetrachloroethene | 85 | 86 | 60-140 | 2 | 0-30 | |
| Ethylbenzene | 90 | 91 | 60-140 | 0 | 0-30 | |
| p/m-Xylene | 93 | 89 | 60-140 | 4 | 0-30 | |
| o-Xylene | 88 | 88 | 60-140 | 0 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

| | |
|---|---|
| Date Received: | N/A |
| Work Order No: | 05-09-1036 |
| Preparation: | N/A |
| Method: | EPA TO-15 SIM |

Project: Wyle Labs - Norco / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-48 | Air | GC/MS HH | N/A | 09/21/05 | 050921L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 82 | 80 | 60-140 | 2 | 0-30 | |
| 1,2-Dichloroethane | 82 | 84 | 60-140 | 3 | 0-30 | |
| 1,1,1,2-Tetrachloroethane | 98 | 97 | 60-140 | 0 | 0-30 | |
| Benzene | 88 | 90 | 60-140 | 2 | 0-30 | |
| Carbon Tetrachloride | 94 | 93 | 60-140 | 1 | 0-30 | |
| 1,1,2-Trichloroethane | 95 | 99 | 60-140 | 4 | 0-30 | |
| Toluene | 93 | 94 | 60-140 | 1 | 0-30 | |
| Trichloroethene | 93 | 96 | 60-140 | 4 | 0-30 | |
| Tetrachloroethene | 96 | 97 | 60-140 | 0 | 0-30 | |
| Ethylbenzene | 93 | 96 | 60-140 | 2 | 0-30 | |
| p/m-Xylene | 100 | 100 | 60-140 | 0 | 0-30 | |
| o-Xylene | 91 | 93 | 60-140 | 2 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Glossary of Terms and Qualifiers

Work Order Number: 05-09-1036

| Qualifier | Definition |
|---|---|
| * | See applicable analysis comment. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification. |
| 4 | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification. |
| 5 | The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required. |
| A | Result is the average of all dilutions, as defined by the method. |
| B | Analyte was present in the associated method blank. |
| C | Analyte presence was not confirmed on primary column. |
| E | Concentration exceeds the calibration range. |
| H | Sample received and/or analyzed past the recommended holding time. |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| N | Nontarget Analyte. |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| U | Undetected at the laboratory method detection limit. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |

ENVIRON
☒ 2010 Main St., Suite 900 Irvine, Calif. 92614 (949) 261-5151 (949) 261-6202 (fax)
☐ 707 Wilshire Blvd., Suite 4950 Los Angeles, Calif. 90017 (213) 943-6300 (213) 943-6301 (fax)

# CHAIN-of-CUSTODY № 03096

PAGE 1 of ___

MSA#: ___ WO#: ___

PROJECT NAME / FACILITY ID: WYLE LABS - NORCO
FIELD PERSON: S. SUTARWALA
PROJECT NUMBER: 04-80999P DATE: 9/17/05
PROJECT MANAGER: R. WAGE
PROJECT LOCATION: NORCO HS; 2065 TEMESCAL AVE., NORCO CA
LABORATORY: CALSCIENCE

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: ___ 036

SAMPLER: SEEMA SUTARWALA
SIGNATURE: SSA

| | SAMPLE I.D. NUMBER | SAMPLE DATE (YEAR 2005) | SAMPLE TIME | SAMPLE DEPTH | AIR SAMPLE VOLUME (L) | MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER | NUMBER OF CONTAINERS | FILTERED/UNFILTERED (F/U) | PRESERVATION (SEE KEY) | ANALYSIS REQUIRED: TO-15 (SIM) PCE, TCE & VC | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ASG-HS-27-5 | 9/17 | 921 | 5 | 1 | G | 1 | - | NO | ✓ | START -30 END -2 |
| 2 | ASG-HS-28-5 | | 1005 | 5 | 1 | | | | | ✓ | START -30 END -2 |
| 3 | ASG-HS-22-5 | | 1030 | 5 | 1 | | | | | ✓ | START -30 END -3 |
| 4 | ASG-HS-24-5 | | 1040 | 5 | 1 | | | | | ✓ | START -30 END -2 |
| 5 | ASG-HS-23-5 | | 1050 | 5 | 1 | | | | | ✓ | START -30 END -2 |
| 6 | ASG-HS-20-4.5-D | | 1225 | 4.5 | 1 | | | | | ✓ | START -30 END -2 |
| 7 | ASG-HS-20-4.5 | | 1213 | 4.5 | 1 | | | | | ✓ | START -30 END -3 |
| 8 | ASG-HS-26-5 | | 1430 | 5 | 1 | | | | | ✓ | START -30 END -2.5 |
| 9 | ASG-HS-31-5 | | 1500 | 5 | 1 | | | | | ✓ | START -30 END -2 |
| 10 | ASG-HS-30-5 | | 1540 | 5 | 1 | | | | | ✓ | START -30 END -2 |
| 11 | ASG-HS-29-5 | | 1520 | 5 | 1 | | | | | ✓ | START -30 END -2 |
| | TOTAL | X | X | X | | | | | | | |

| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: | TIME/DATE: |
|---|---|---|---|
| Jennifer Pasick | 9/19/05 9:30am | (COMPANY): TEC | 9/19/05 9:40 |
| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: | TIME/DATE: |
| | | (COMPANY): | |
| RELINQUISHED BY: | TIME/DATE: 9/19/05 10:35 | RECEIVED BY: Tonya | TIME/DATE: 9/19/05 10:55 |
| | | (COMPANY): CSL | |

TURNAROUND TIME (CIRCLE ONE): SAMEDAY / 24 HOURS / 48 HOURS / 72 HOURS / 5 DAYS / NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp ___

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO3; S = H SO ; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

Calscience Environmental Laboratories, Inc.

**WORK ORDER #:** 05 - 0 9 - 1 0 3 6

**Cooler** 0 **of** 0

# SAMPLE RECEIPT FORM

**CLIENT:** ENVIRON **DATE:** 09/19/05

**TEMPERATURE – SAMPLES RECEIVED BY:**

**CALSCIENCE COURIER:**

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ✓ Ambient temperature.
- ____ °C Temperature blank.

**LABORATORY (Other than Calscience Courier):**

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: TW

**CUSTODY SEAL INTACT:**

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Applicable (N/A): ✓

Initial: TW

**SAMPLE CONDITION:**

| | Yes | No | N/A |
|---|---|---|---|
| Chain-Of-Custody document(s) received with samples | ✓ | | |
| Sample container label(s) consistent with custody papers | ✓ | | |
| Sample container(s) intact and good condition | ✓ | | |
| Correct containers for analyses requested | ✓ | | |
| Proper preservation noted on sample label(s) | | | ✓ |
| VOA vial(s) free of headspace. | | | ✓ |
| Tedlar bag(s) free of condensation | | | ✓ |

Initial: TW

**COMMENTS:**

**Calscience Environmental Laboratories, Inc.**

Supplemental Report 1

October 24, 2005

Rebekah Wale
ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Subject: **Calscience Work Order No.: 05-09-1448**
**Client Reference: WYLE (Norco High School) / 04-8099P**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/26/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

for

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience
Environmental
Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

## CASE NARRATIVE

**Calscience Work Order No.: 05-09-1448**

Provided below is a narrative of our analytical effort, including any unique features or anomalies encountered as part of the analysis of the air samples.

***Sample Condition on Receipt***

Twenty-one (21) one-liter Summa canisters (SIM Certified) were received for this project on September 26, 2005. There were no receiving discrepancies.

Testing was performed in accordance with the COC instructions. The laboratory performed analysis using EPA Method TO-15 by GC/MS in the SIM acquisition mode for PCE, TCE, and vinyl chloride. The laboratory performed testing for the leak detection compound 1,1-DFA using EPA TO-15 by GC/MS in the SCAN mode.

***Data Summary***

For all samples, one or more internal standards were out of control. Reanalysis of the samples rendered the same outcome, thus the data is released with no further action.

Holding times

EPA Compendium Method TO-15 does not provide a recommended holding time, but does suggest that most VOCs can be recovered from Summa canisters near their original concentrations after storage times of up to 30 days after collection. All samples were analyzed within 30 days of their collection.

Calibration

Frequency and control criteria specified in the method for initial and continuing calibration verifications were met.

Blanks

Concentrations of target analytes in the Method Blank were found to be below reporting limits.

Laboratory Control Samples

Laboratory Control Sample analyses were performed at the required frequencies. All parameters were within the specified %Rec and RPD quality control limits, with the exception of one batch of samples tested in the SIM Mode. In this case, the recoveries for vinyl chloride fell above the established control limit for this compound.

Matrix Spikes

Matrix spiking does not apply for this method

Other

None

Acronyms

| | |
|---|---|
| GC/MS: | Gas Chromatography/Mass Spectroscopy |
| %Rec: | % Recovery |
| RPD: | Relative Percent Difference |
| SIM: | Selective Ion Monitoring |
| VOCs: | Volatile Organic Compounds |
| TCE: | Trichloroethene |
| PCE: | Tetrachloroethene |

Calscience Environmental Laboratories, Inc.

# Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 SIM |
| | | Units: | ug/L |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-16-5 | 05-09-1448-1 | 09/24/05 | Air | N/A | 09/26/05 | 050926L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00016 | 2.45 | | Tetrachloroethene | 0.52 | 0.13 | 744 | |
| Trichloroethene | 0.011 | 0.001 | 9.76 | | | | | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-15-5 | 05-09-1448-2 | 09/24/05 | Air | N/A | 10/01/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00020 | 3.1 | | Tetrachloroethene | 0.021 | 0.007 | 40 | |
| Trichloroethene | 0.029 | 0.005 | 40 | | | | | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-15-15 | 05-09-1448-3 | 09/24/05 | Air | N/A | 09/30/05 | 050930L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.0013 | 20 | | Tetrachloroethene | 0.030 | 0.003 | 20 | |
| Trichloroethene | 0.016 | 0.003 | 20 | | | | | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-19-5 | 05-09-1448-4 | 09/24/05 | Air | N/A | 09/27/05 | 050926L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000094 | 1.47 | | Tetrachloroethene | 0.0097 | 0.0002 | 1.47 | |
| Trichloroethene | 0.00075 | 0.0002 | 1.47 | | | | | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-19-15 | 05-09-1448-5 | 09/24/05 | Air | N/A | 09/27/05 | 050926L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000081 | 1.27 | | Tetrachloroethene | 0.0058 | 0.0007 | 4.08 | |
| Trichloroethene | 0.00047 | 0.00017 | 1.27 | | | | | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-32-5 | 05-09-1448-6 | 09/24/05 | Air | N/A | 09/27/05 | 050926L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00012 | 1.82 | | Tetrachloroethene | 0.0096 | 0.0014 | 8 | |
| Trichloroethene | 0.00045 | 0.00024 | 1.82 | | | | | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-38-5 | 05-09-1448-7 | 09/24/05 | Air | N/A | 09/30/05 | 050930L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00021 | 3.25 | | Tetrachloroethene | 0.0040 | 0.0006 | 3.25 | |
| Trichloroethene | ND | 0.00044 | 3.25 | | | | | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-38-10 | 05-09-1448-8 | 09/24/05 | Air | N/A | 09/27/05 | 050926L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000086 | 1.34 | | Tetrachloroethene | 0.0054 | 0.0002 | 1.34 | |
| Trichloroethene | 0.00064 | 0.00018 | 1.34 | | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 SIM |
| | | Units: | ug/L |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-37-5 | 05-09-1448-9 | 09/24/05 | Air | N/A | 09/27/05 | 050926L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00012 | 1.9 | | Tetrachloroethene | 0.0065 | 0.0003 | 1.9 | |
| Trichloroethene | 0.00038 | 0.00026 | 1.9 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ASG-HS-18-10 | 05-09-1448-10 | 09/24/05 | Air | N/A | 09/27/05 | 050926L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000091 | 1.43 | | Tetrachloroethene | 0.0085 | 0.0002 | 1.43 | |
| Trichloroethene | 0.00066 | 0.00019 | 1.43 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ASG-HS-18-5 | 05-09-1448-11 | 09/24/05 | Air | N/A | 09/27/05 | 050926L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00027 | 4.17 | | Tetrachloroethene | 0.0095 | 0.0007 | 4.17 | |
| Trichloroethene | 0.0010 | 0.0006 | 4.17 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ASG-HS-17-5 | 05-09-1448-12 | 09/24/05 | Air | N/A | 09/28/05 | 050928L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 0.00089 | 0.00021 | 3.36 | | Tetrachloroethene | 0.0056 | 0.0006 | 3.36 | |
| Trichloroethene | 0.0038 | 0.0004 | 3.36 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ASG-HS-14-5 | 05-09-1448-13 | 09/24/05 | Air | N/A | 09/28/05 | 050928L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 0.00033 | 0.00012 | 1.95 | | Tetrachloroethene | 0.0052 | 0.0003 | 1.95 | |
| Trichloroethene | 0.015 | 0.001 | 9.76 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ASG-HS-36-5 | 05-09-1448-14 | 09/24/05 | Air | N/A | 09/28/05 | 050928L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00010 | 1.57 | | Tetrachloroethene | 0.0034 | 0.0003 | 1.57 | |
| Trichloroethene | 0.0058 | 0.0005 | 4 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ASG-HS-13-10 | 05-09-1448-15 | 09/24/05 | Air | N/A | 10/01/05 | 050930L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 0.00077 | 0.00026 | 4 | | Tetrachloroethene | 0.0042 | 0.0007 | 4 | |
| Trichloroethene | 0.019 | 0.003 | 20 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ASG-HS-13-5 | 05-09-1448-16 | 09/24/05 | Air | N/A | 10/01/05 | 050930L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00064 | 10 | | Tetrachloroethene | 0.0046 | 0.0017 | 10 | |
| Trichloroethene | 0.0086 | 0.0013 | 10 | | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: 09/26/05
Work Order No: 05-09-1448
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/L

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-13-5D | 05-09-1448-17 | 09/24/05 | Air | N/A | 10/01/05 | 050930L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00032 | 5 | | Tetrachloroethene | 0.0037 | 0.0008 | 5 | |
| Trichloroethene | 0.0070 | 0.0007 | 5 | | | | | | |

| ASG-HS-35-5 | 05-09-1448-18 | 09/24/05 | Air | N/A | 09/28/05 | 050928L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000081 | 1.27 | | Tetrachloroethene | 0.0028 | 0.0007 | 3.96 | |
| Trichloroethene | 0.0037 | 0.0002 | 1.27 | | | | | | |

| ASG-HS-33-10 | 05-09-1448-19 | 09/24/05 | Air | N/A | 09/29/05 | 050928L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 0.00023 | 0.00007 | 1.03 | | Tetrachloroethene | 0.0026 | 0.0002 | 1.03 | |
| Trichloroethene | 0.0030 | 0.0001 | 1.03 | | | | | | |

| ASG-HS-33-5 | 05-09-1448-20 | 09/24/05 | Air | N/A | 09/29/05 | 050928L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000098 | 1.54 | | Tetrachloroethene | 0.0023 | 0.0003 | 1.54 | |
| Trichloroethene | ND | 0.00021 | 1.54 | | | | | | |

| ASG-HS-TB | 05-09-1448-21 | 09/24/05 | Air | N/A | 09/26/05 | 050926L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.00046 | 7.27 | | Tetrachloroethene | ND | 0.0012 | 7.27 | |
| Trichloroethene | ND | 0.00098 | 7.27 | | | | | | |

| Method Blank | 095-01-052-49 | N/A | Air | N/A | 09/30/05 | 050930L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000064 | 1 | | Tetrachloroethene | ND | 0.00017 | 1 | |
| Trichloroethene | ND | 0.00013 | 1 | | | | | | |

| Method Blank | 095-01-052-50 | N/A | Air | N/A | 09/26/05 | 050926L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000064 | 1 | | Tetrachloroethene | ND | 0.00017 | 1 | |
| Trichloroethene | ND | 0.00013 | 1 | | | | | | |

| Method Blank | 095-01-052-51 | N/A | Air | N/A | 09/28/05 | 050928L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000064 | 1 | | Tetrachloroethene | ND | 0.00017 | 1 | |
| Trichloroethene | ND | 0.00013 | 1 | | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 SIM |
| | | Units: | ug/L |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| **Method Blank** | **095-01-052-52** | **N/A** | **Air** | **N/A** | **10/01/05** | **051001L01** |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000064 | 1 | | Tetrachloroethene | ND | 0.00017 | 1 | |
| Trichloroethene | ND | 0.00013 | 1 | | | | | | |

| Method Blank | 095-01-052-53 | N/A | Air | N/A | 10/03/05 | 051003L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.000064 | 1 | | Tetrachloroethene | ND | 0.00017 | 1 | |
| Trichloroethene | ND | 0.00013 | 1 | | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-16-5 | 05-09-1448-1 | 09/24/05 | Air | N/A | 10/03/05 | 051003L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.049 | 1.83 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 103 | 57-129 | |
| 1,2-Dichloroethane-d4 | 128 | 47-137 | |
| Toluene-d8 | 125 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-15-5 | 05-09-1448-2 | 09/24/05 | Air | N/A | 10/02/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.027 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 106 | 57-129 | |
| 1,2-Dichloroethane-d4 | 113 | 47-137 | |
| Toluene-d8 | 102 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-15-15 | 05-09-1448-3 | 09/24/05 | Air | N/A | 10/02/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.027 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 106 | 57-129 | |
| 1,2-Dichloroethane-d4 | 108 | 47-137 | |
| Toluene-d8 | 99 | 78-156 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-19-5 | 05-09-1448-4 | 09/24/05 | Air | N/A | 10/02/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.030 | 1.1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 106 | 57-129 | |
| 1,2-Dichloroethane-d4 | 108 | 47-137 | |
| Toluene-d8 | 101 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-19-15 | 05-09-1448-5 | 09/24/05 | Air | N/A | 10/02/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.027 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 105 | 57-129 | |
| 1,2-Dichloroethane-d4 | 107 | 47-137 | |
| Toluene-d8 | 101 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-32-5 | 05-09-1448-6 | 09/24/05 | Air | N/A | 10/02/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.030 | 1.1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 103 | 57-129 | |
| 1,2-Dichloroethane-d4 | 108 | 47-137 | |
| Toluene-d8 | 101 | 78-156 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-38-5 | 05-09-1448-7 | 09/24/05 | Air | N/A | 10/02/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.030 | 1.1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 104 | 57-129 | |
| 1,2-Dichloroethane-d4 | 108 | 47-137 | |
| Toluene-d8 | 100 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-38-10 | 05-09-1448-8 | 09/24/05 | Air | N/A | 10/02/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.032 | 1.19 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 105 | 57-129 | |
| 1,2-Dichloroethane-d4 | 110 | 47-137 | |
| Toluene-d8 | 101 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-37-5 | 05-09-1448-9 | 09/24/05 | Air | N/A | 10/02/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.028 | 1.04 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 105 | 57-129 | |
| 1,2-Dichloroethane-d4 | 108 | 47-137 | |
| Toluene-d8 | 101 | 78-156 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

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| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-18-10 | 05-09-1448-10 | 09/24/05 | Air | N/A | 10/02/05 | 051001L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.027 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 104 | 57-129 | |
| 1,2-Dichloroethane-d4 | 105 | 47-137 | |
| Toluene-d8 | 101 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-18-5 | 05-09-1448-11 | 09/24/05 | Air | N/A | 10/04/05 | 051004L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.27 | 10 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 103 | 57-129 | |
| 1,2-Dichloroethane-d4 | 128 | 47-137 | |
| Toluene-d8 | 124 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-17-5 | 05-09-1448-12 | 09/24/05 | Air | N/A | 10/03/05 | 051003L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.027 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 110 | 57-129 | |
| 1,2-Dichloroethane-d4 | 123 | 47-137 | |
| Toluene-d8 | 122 | 78-156 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-14-5 | 05-09-1448-13 | 09/24/05 | Air | N/A | 10/03/05 | 051003L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.031 | 1.14 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 107 | 57-129 | |
| 1,2-Dichloroethane-d4 | 130 | 47-137 | |
| Toluene-d8 | 124 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-36-5 | 05-09-1448-14 | 09/24/05 | Air | N/A | 10/04/05 | 051004L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.27 | 10 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 102 | 57-129 | |
| 1,2-Dichloroethane-d4 | 132 | 47-137 | |
| Toluene-d8 | 125 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-13-10 | 05-09-1448-15 | 09/24/05 | Air | N/A | 10/03/05 | 051003L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.027 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 100 | 57-129 | |
| 1,2-Dichloroethane-d4 | 118 | 47-137 | |
| Toluene-d8 | 122 | 78-156 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-13-5 | 05-09-1448-16 | 09/24/05 | Air | N/A | 10/03/05 | 051003L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.027 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 97 | 57-129 | |
| 1,2-Dichloroethane-d4 | 130 | 47-137 | |
| Toluene-d8 | 122 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-13-5D | 05-09-1448-17 | 09/24/05 | Air | N/A | 10/04/05 | 051004L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.27 | 10 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 101 | 57-129 | |
| 1,2-Dichloroethane-d4 | 134 | 47-137 | |
| Toluene-d8 | 124 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-35-5 | 05-09-1448-18 | 09/24/05 | Air | N/A | 10/04/05 | 051004L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.27 | 10 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 110 | 57-129 | |
| 1,2-Dichloroethane-d4 | 132 | 47-137 | |
| Toluene-d8 | 125 | 78-156 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/26/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-33-10 | 05-09-1448-19 | 09/24/05 | Air | N/A | 10/04/05 | 051004L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.27 | 10 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 101 | 57-129 | |
| 1,2-Dichloroethane-d4 | 135 | 47-137 | |
| Toluene-d8 | 126 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-33-5 | 05-09-1448-20 | 09/24/05 | Air | N/A | 10/04/05 | 051004L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.27 | 10 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 101 | 57-129 | |
| 1,2-Dichloroethane-d4 | 134 | 47-137 | |
| Toluene-d8 | 124 | 78-156 | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| ASG-HS-TB | 05-09-1448-21 | 09/24/05 | Air | N/A | 10/04/05 | 051004L01 |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.27 | 10 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 103 | 57-129 | |
| 1,2-Dichloroethane-d4 | 134 | 47-137 | |
| Toluene-d8 | 123 | 78-156 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

| | |
|---|---|
| Date Received: | 09/26/05 |
| Work Order No: | 05-09-1448 |
| Preparation: | N/A |
| Method: | EPA TO-15 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| **Method Blank** | **095-01-021-3,322** | **N/A** | **Air** | **N/A** | **10/01/05** | **051001L01** |

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.0014 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 105 | 57-129 | |
| 1,2-Dichloroethane-d4 | 116 | 47-137 | |
| Toluene-d8 | 101 | 78-156 | |

| Method Blank | 095-01-021-3,330 | N/A | Air | N/A | 10/04/05 | 051004L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.0014 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 116 | 57-129 | |
| 1,2-Dichloroethane-d4 | 133 | 47-137 | |
| Toluene-d8 | 125 | 78-156 | |

| Method Blank | 095-01-021-3,332 | N/A | Air | N/A | 10/03/05 | 051003L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Units |
|---|---|---|---|---|---|
| 1,1-Difluoroethane | ND | 0.0014 | 1 | | ug/L |

| Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 107 | 57-129 | |
| 1,2-Dichloroethane-d4 | 128 | 47-137 | |
| Toluene-d8 | 126 | 78-156 | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | N/A |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 SIM |

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-50 | Air | GC/MS HH | N/A | 09/26/05 | 050926L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 76 | 71 | 60-140 | 6 | 0-30 | |
| 1,2-Dichloroethane | 78 | 74 | 60-140 | 5 | 0-30 | |
| 1,1,1,2-Tetrachloroethane | 95 | 98 | 60-140 | 3 | 0-30 | |
| Benzene | 93 | 91 | 60-140 | 2 | 0-30 | |
| Carbon Tetrachloride | 93 | 95 | 60-140 | 2 | 0-30 | |
| 1,1,2-Trichloroethane | 99 | 98 | 60-140 | 1 | 0-30 | |
| Toluene | 91 | 92 | 60-140 | 1 | 0-30 | |
| Trichloroethene | 94 | 96 | 60-140 | 1 | 0-30 | |
| Tetrachloroethene | 94 | 96 | 60-140 | 2 | 0-30 | |
| Ethylbenzene | 91 | 93 | 60-140 | 1 | 0-30 | |
| p/m-Xylene | 92 | 96 | 60-140 | 5 | 0-30 | |
| o-Xylene | 84 | 87 | 60-140 | 3 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | N/A |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 SIM |

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-51 | Air | GC/MS HH | N/A | 09/28/05 | 050928L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 101 | 90 | 60-140 | 12 | 0-30 | |
| 1,2-Dichloroethane | 117 | 97 | 60-140 | 19 | 0-30 | |
| 1,1,1,2-Tetrachloroethane | 113 | 116 | 60-140 | 2 | 0-30 | |
| Benzene | 115 | 116 | 60-140 | 1 | 0-30 | |
| Carbon Tetrachloride | 101 | 100 | 60-140 | 1 | 0-30 | |
| 1,1,2-Trichloroethane | 121 | 123 | 60-140 | 2 | 0-30 | |
| Toluene | 108 | 109 | 60-140 | 1 | 0-30 | |
| Trichloroethene | 117 | 118 | 60-140 | 0 | 0-30 | |
| Tetrachloroethene | 109 | 113 | 60-140 | 3 | 0-30 | |
| Ethylbenzene | 115 | 116 | 60-140 | 1 | 0-30 | |
| p/m-Xylene | 122 | 125 | 60-140 | 2 | 0-30 | |
| o-Xylene | 115 | 113 | 60-140 | 2 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: N/A
Work Order No: 05-09-1448
Preparation: N/A
Method: EPA TO-15 SIM

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-49 | Air | GC/MS HH | N/A | 09/30/05 | 050930L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 98 | 98 | 60-140 | 0 | 0-30 | |
| 1,2-Dichloroethane | 103 | 104 | 60-140 | 1 | 0-30 | |
| 1,1,1,2-Tetrachloroethane | 85 | 91 | 60-140 | 6 | 0-30 | |
| Benzene | 92 | 94 | 60-140 | 2 | 0-30 | |
| Carbon Tetrachloride | 93 | 95 | 60-140 | 3 | 0-30 | |
| 1,1,2-Trichloroethane | 98 | 98 | 60-140 | 0 | 0-30 | |
| Toluene | 81 | 87 | 60-140 | 7 | 0-30 | |
| Trichloroethene | 94 | 94 | 60-140 | 1 | 0-30 | |
| Tetrachloroethene | 83 | 88 | 60-140 | 7 | 0-30 | |
| Ethylbenzene | 83 | 85 | 60-140 | 3 | 0-30 | |
| p/m-Xylene | 86 | 87 | 60-140 | 1 | 0-30 | |
| o-Xylene | 84 | 86 | 60-140 | 2 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: N/A
Work Order No: 05-09-1448
Preparation: N/A
Method: EPA TO-15 SIM

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-52 | Air | GC/MS HH | N/A | 10/01/05 | 051001L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 95 | 96 | 60-140 | 2 | 0-30 | |
| 1,2-Dichloroethane | 100 | 101 | 60-140 | 1 | 0-30 | |
| 1,1,1,2-Tetrachloroethane | 79 | 89 | 60-140 | 12 | 0-30 | |
| Benzene | 92 | 94 | 60-140 | 2 | 0-30 | |
| Carbon Tetrachloride | 88 | 95 | 60-140 | 8 | 0-30 | |
| 1,1,2-Trichloroethane | 94 | 96 | 60-140 | 2 | 0-30 | |
| Toluene | 77 | 84 | 60-140 | 8 | 0-30 | |
| Trichloroethene | 90 | 93 | 60-140 | 3 | 0-30 | |
| Tetrachloroethene | 77 | 84 | 60-140 | 9 | 0-30 | |
| Ethylbenzene | 77 | 83 | 60-140 | 7 | 0-30 | |
| p/m-Xylene | 86 | 90 | 60-140 | 5 | 0-30 | |
| o-Xylene | 79 | 84 | 60-140 | 6 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | N/A |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1448 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 SIM |

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-53 | Air | GC/MS HH | N/A | 10/03/05 | 051003L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 165 | 152 | 60-140 | 8 | 0-30 | X |
| 1,2-Dichloroethane | 178 | 172 | 60-140 | 3 | 0-30 | X |
| 1,1,1,2-Tetrachloroethane | 66 | 72 | 60-140 | 8 | 0-30 | |
| Benzene | 76 | 85 | 60-140 | 11 | 0-30 | |
| Carbon Tetrachloride | 79 | 85 | 60-140 | 7 | 0-30 | |
| 1,1,2-Trichloroethane | 77 | 86 | 60-140 | 11 | 0-30 | |
| Toluene | 64 | 71 | 60-140 | 10 | 0-30 | |
| Trichloroethene | 73 | 81 | 60-140 | 10 | 0-30 | |
| Tetrachloroethene | 62 | 67 | 60-140 | 8 | 0-30 | |
| Ethylbenzene | 67 | 76 | 60-140 | 12 | 0-30 | |
| p/m-Xylene | 67 | 75 | 60-140 | 11 | 0-30 | |
| o-Xylene | 66 | 74 | 60-140 | 12 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

| | |
|---|---|
| Date Received: | N/A |
| Work Order No: | 05-09-1448 |
| Preparation: | N/A |
| Method: | EPA TO-15 |

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-021-3,322 | Air | GC/MS AA | N/A | 10/01/05 | 051001L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | 88 | 86 | 61-121 | 2 | 0-37 | |
| Carbon Tetrachloride | 102 | 101 | 56-128 | 1 | 0-42 | |
| 1,2-Dibromoethane | 84 | 82 | 63-123 | 2 | 0-38 | |
| 1,2-Dichlorobenzene | 78 | 75 | 41-149 | 3 | 0-62 | |
| 1,2-Dichloroethane | 100 | 99 | 63-123 | 1 | 0-37 | |
| 1,2-Dichloropropane | 88 | 87 | 61-121 | 2 | 0-37 | |
| 1,4-Dichlorobenzene | 79 | 77 | 51-147 | 3 | 0-49 | |
| c-1,3-Dichloropropene | 90 | 88 | 62-128 | 2 | 0-37 | |
| Ethylbenzene | 83 | 80 | 61-127 | 3 | 0-38 | |
| o-Xylene | 87 | 84 | 58-130 | 3 | 0-38 | |
| p/m-Xylene | 88 | 85 | 57-129 | 3 | 0-39 | |
| Tetrachloroethene | 80 | 78 | 59-119 | 4 | 0-40 | |
| Toluene | 82 | 79 | 60-120 | 3 | 0-39 | |
| Trichloroethene | 89 | 88 | 65-119 | 2 | 0-38 | |
| 1,1,2-Trichloroethane | 88 | 88 | 64-124 | 1 | 0-37 | |
| Vinyl Chloride | 103 | 103 | 58-124 | 0 | 0-37 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: N/A
Work Order No: 05-09-1448
Preparation: N/A
Method: EPA TO-15

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-021-3,332 | Air | GC/MS II | N/A | 10/03/05 | 051003L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | 87 | 110 | 61-121 | 24 | 0-37 | |
| Carbon Tetrachloride | 78 | 98 | 56-128 | 23 | 0-42 | |
| 1,2-Dibromoethane | 96 | 83 | 63-123 | 14 | 0-38 | |
| 1,2-Dichlorobenzene | 104 | 93 | 41-149 | 11 | 0-62 | |
| 1,2-Dichloroethane | 84 | 92 | 63-123 | 8 | 0-37 | |
| 1,2-Dichloropropane | 93 | 109 | 61-121 | 15 | 0-37 | |
| 1,4-Dichlorobenzene | 105 | 94 | 51-147 | 11 | 0-49 | |
| c-1,3-Dichloropropene | 94 | 109 | 62-128 | 14 | 0-37 | |
| Ethylbenzene | 94 | 84 | 61-127 | 11 | 0-38 | |
| o-Xylene | 93 | 83 | 58-130 | 11 | 0-38 | |
| p/m-Xylene | 92 | 83 | 57-129 | 11 | 0-39 | |
| Tetrachloroethene | 95 | 87 | 59-119 | 9 | 0-40 | |
| Toluene | 94 | 83 | 60-120 | 13 | 0-39 | |
| Trichloroethene | 86 | 108 | 65-119 | 23 | 0-38 | |
| 1,1,2-Trichloroethane | 96 | 113 | 64-124 | 16 | 0-37 | |
| Vinyl Chloride | 100 | 107 | 58-124 | 7 | 0-37 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: N/A
Work Order No: 05-09-1448
Preparation: N/A
Method: EPA TO-15

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-021-3,330 | Air | GC/MS II | N/A | 10/04/05 | 051004L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | 100 | 101 | 61-121 | 1 | 0-37 | |
| Carbon Tetrachloride | 93 | 93 | 56-128 | 0 | 0-42 | |
| 1,2-Dibromoethane | 93 | 102 | 63-123 | 9 | 0-38 | |
| 1,2-Dichlorobenzene | 95 | 81 | 41-149 | 16 | 0-62 | |
| 1,2-Dichloroethane | 98 | 98 | 63-123 | 0 | 0-37 | |
| 1,2-Dichloropropane | 101 | 103 | 61-121 | 2 | 0-37 | |
| 1,4-Dichlorobenzene | 96 | 82 | 51-147 | 15 | 0-49 | |
| c-1,3-Dichloropropene | 103 | 99 | 62-128 | 3 | 0-37 | |
| Ethylbenzene | 92 | 97 | 61-127 | 5 | 0-38 | |
| o-Xylene | 91 | 93 | 58-130 | 2 | 0-38 | |
| p/m-Xylene | 91 | 95 | 57-129 | 4 | 0-39 | |
| Tetrachloroethene | 93 | 105 | 59-119 | 13 | 0-40 | |
| Toluene | 93 | 104 | 60-120 | 11 | 0-39 | |
| Trichloroethene | 97 | 97 | 65-119 | 0 | 0-38 | |
| 1,1,2-Trichloroethane | 105 | 100 | 64-124 | 4 | 0-37 | |
| Vinyl Chloride | 113 | 112 | 58-124 | 1 | 0-37 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Glossary of Terms and Qualifiers

Work Order Number: 05-09-1448

| Qualifier | Definition |
|---|---|
| * | See applicable analysis comment. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification. |
| 4 | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification. |
| 5 | The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required. |
| A | Result is the average of all dilutions, as defined by the method. |
| B | Analyte was present in the associated method blank. |
| C | Analyte presence was not confirmed on primary column. |
| E | Concentration exceeds the calibration range. |
| H | Sample received and/or analyzed past the recommended holding time. |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| N | Nontarget Analyte. |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| U | Undetected at the laboratory method detection limit. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |

# Chain of Custody Record

HP LABS

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

(1448)

Date: 9/24/05
HPL Project #
Outside Lab:

Client: ~~Wyle Labs~~ Environ Corp
Address: 2010 Main Street #900
Irvine, Ca. 92614
Phone: 949-261-5151 Fax:

Collector: Dave B
Client Project # 04-8099P
Location: Norco High School
Turn around time:

Page: 1 Of 2
Project Manager

Global ID: EDF: Yes / No

**Sample Receipt**
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

| | Sample Name | Field Point Name | Depth | Time | Date | Sample Type | Container Type | TPH gasoline / diesel | TPH extended | 8021 for BTEX/MTBE | 8021 for Halogenated compounds | 418.1 TRPH | 8260B: BTEX / Oxygenates | 8260B: Oxygenates | 8260B: VOC's | 8260B: VOC's and Oxygenates | Methane | Fixed Gases | TO-15 SIM for TCE, PCE, VC | | | | | Total # of containers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ASG-HS-16-5 | ASG-HS-16-5 | 5' | 1324 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | ↓ | ↓ | | | | 1 |
| 2 | ASG-HS-15-5 | ASG-HS-15-5 | 5' | 1337 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 3 | ASG-HS-15-15 | ASG-HS-15-15 | 15' | 1400 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 4 | ASG-HS-19-5 | ASG-HS-19-5 | 5' | 1412 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 5 | ASG-HS-19-15 | ASG-HS-19-15 | 15' | 1416 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 6 | ASG-HS-32-5 | ASG-HS-32-5 | 5 | 1425 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 7 | ASG-HS-38-5 | ASG-HS-38-5 | 5 | 1440 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 8 | ASG-HS-38-10 | ASG-HS-38-10 | 10 | 1502 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 9 | ASG-HS-37-5 | ASG-HS-37-5 | 5 | 1500 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 10 | ASG-HS-18-10 | ASG-HS-18-10 | 10 | 1511 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 11 | ASG-HS-18-5 | ASG-HS-18-5 | 5 | 1513 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 12 | ASG-HS-17-5 | ASG-HS-17-5 | 5 | 1527 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 13 | ASG-HS-14-5 | ASG-HS-14-5 | 5 | 1537 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |
| 14 | ASG-HS-36-5 | ASG-HS-36-5 | 5 | 1543 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | | | | | | 1 |

| Relinquished by: (Signature) | (company) | Received by: (Signature) | (company) | Date: | Time: |
|---|---|---|---|---|---|
| Payal Mehta | ENVIRON. | | CEL | 9/26/5 | 10:45 |
| Relinquished by: (Signature) | (company) | Received by: (Signature) | (company) | Date: | Time: |
| Relinquished by: (Signature) | (company) CEL | Received by: (Signature) San Tomo | (company) CEL | 9/26/5 | 11:20 |

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

*Sample disposal instruction:* ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

# Chain of Custody Record

HP LABS

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

(1448)

Date: 9/24/05
HPL Project #
Outside Lab:

Client:
Address:
Phone: Fax:

Collector: Dave B
Page: 2 Of 2
Client Project # 04-8099P
Project Manager
Location:
Turn around time:

Global ID: EDF: Yes / No

**Sample Receipt**
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

| | Sample Name | Field Point Name | Depth | Time | Date | Sample Type | Container Type | TPH gasoline / diesel | TPH extended | 8021 for BTEX/MTBE | 8021 for Halogenated compounds | 418.1 TRPH | 8260B: BTEX / Oxygenates | 8260B: Oxygenates | 8260B: VOC's | 8260B: VOC's and Oxygenates | Methane | Fixed Gases | TO 15 SIM for TCE, PCE, VC | | | | | Total # of containers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | ASG-HS-13-10 | ASG-HS-13-10 | 10 | 1609 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | ✓ | | | | | 1 |
| 16 | ASG-HS-13-5 | ASG-HS-13-5 | 5 | 1555 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | ✓ | | | | | 1 |
| 17 | ASG-HS-13-5D | ASG-HS-13-5D | 5 | 1602 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | ✓ | | | | | 1 |
| 18 | ASG-HS-35-5 | ASG-HS-35-5 | 5 | 1616 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | ✓ | | | | | 1 |
| 19 | ASG-HS-33-10 | ASG-HS-33-10 | 10 | 1628 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | ✓ | | | | | 1 |
| 20 | ASG-HS-33-5 | ASG-HS-33-5 | 5 | 1624 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | ✓ | | | | | 1 |
| 21 | ASG-HS-TB | ASG-HS-TB | — | 1635 | 9/24/05 | Vapor | Summa | | | | | | | | | | | | ✓ | | | | | 1 |

| Relinquished by: (Signature) | (company) | Received by: (Signature) | (company) | Date: | Time: |
|---|---|---|---|---|---|
| Payal Mehta | ENVIRON. | | CEL | 9/26/5 | 10:45 |
| Relinquished by: (Signature) | (company) | Received by: (Signature) | (company) | Date: | Time: |
| | | | | | |
| Relinquished by: (Signature) | (company) | Received by: (Signature) | (company) | Date: | Time: |
| | CEL | Stan Fama | CEL | 9/26/5 | 11:20 |

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

*Sample disposal instruction:* ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

Calscience Environmental Laboratories, Inc.

**WORK ORDER #:** 05 - 0 9 - 1 4 4 8

**Cooler** 0 **of** 0

# SAMPLE RECEIPT FORM

**CLIENT:** ENVIROM **DATE:** 09/26/05

**TEMPERATURE – SAMPLES RECEIVED BY:**

**CALSCIENCE COURIER:**

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ✓ Ambient temperature.

____ °C Temperature blank.

**LABORATORY (Other than Calscience Courier):**

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: Tu

**CUSTODY SEAL INTACT:**

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Applicable (N/A): ✓

Initial: Tu

**SAMPLE CONDITION:**

| | Yes | No | N/A |
|---|---|---|---|
| Chain-Of-Custody document(s) received with samples | ✓ | | |
| Sample container label(s) consistent with custody papers | ✓ | | |
| Sample container(s) intact and good condition | ✓ | | |
| Correct containers for analyses requested | ✓ | | |
| Proper preservation noted on sample label(s) | | | ✓ |
| VOA vial(s) free of headspace. | | | ✓ |
| Tedlar bag(s) free of condensation | | | ✓ |

Initial: Tu

**COMMENTS:**

**Calscience Environmental Laboratories, Inc.**

October 03, 2005

Rebekah Wale
ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Subject: **Calscience Work Order No.: 05-09-1447**
**Client Reference: WYLE (Norco High School) / 04-8099P**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/26/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

for

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience
Environmental
Laboratories, Inc.

## CASE NARRATIVE

**Calscience Work Order No.: 05-09-1447**

Provided below is a narrative of our analytical effort, including any unique features or anomalies encountered as part of the analysis of the air samples.

***Sample Condition on Receipt***

Eight (8) six-liter Summa canisters (SIM Certified) were received for this project on September 26, 2005. There were no receiving discrepancies.

Testing was performed in accordance with the COC instructions. The laboratory performed analysis using EPA Method TO-15 using GC/MS in the SIM acquisition mode for PCE, TCE, and vinyl chloride.

***Data Summary***

For all samples, one or more internal standards were out of control. Reanalysis of the samples rendered the same outcome, thus the data is released with no further action.

Holding times

EPA Compendium Method TO-15 does not provide a recommended holding time, but does suggest that most VOCs can be recovered from Summa canisters near their original concentrations after storage times of up to 30 days after collection. All samples were analyzed within 30 days of their collection.

Calibration

Frequency and control criteria specified in the method for initial and continuing calibration verifications were met.

Blanks

Concentrations of target analytes in the Method Blank were found to be below reporting limits.

Laboratory Control Samples

Laboratory Control Sample analyses were performed at the required frequencies. All parameters were within the specified %Rec and RPD quality control limits.

Matrix Spikes

Matrix spiking does not apply for this method

Other

None

Acronyms

| | |
|---|---|
| GC/MS: | Gas Chromatography/Mass Spectroscopy |
| %Rec: | % Recovery |
| RPD: | Relative Percent Difference |
| SIM: | Selective Ion Monitoring |
| VOCs: | Volatile Organic Compounds |
| TCE: | Trichloroethene |
| PCE: | Tetrachloroethene |

Calscience Environmental Laboratories, Inc.

# Analytical Report

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: 09/26/05
Work Order No: 05-09-1447
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| IAQ-HS-15 | 05-09-1447-1 | 09/23/05 | Air | N/A | 09/30/05 | 050930L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.084 | 1.31 | | Tetrachloroethene | 0.26 | 0.22 | 1.31 | |
| Trichloroethene | ND | 0.18 | 1.31 | | | | | | |

| IAQ-HS-15-TB | 05-09-1447-2 | 09/23/05 | Air | N/A | 09/30/05 | 050930L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.12 | 1.9 | | Tetrachloroethene | ND | 0.32 | 1.9 | |
| Trichloroethene | ND | 0.26 | 1.9 | | | | | | |

| IAQ-HS-14 | 05-09-1447-3 | 09/23/05 | Air | N/A | 09/30/05 | 050930L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.23 | 3.67 | | Tetrachloroethene | ND | 0.62 | 3.67 | |
| Trichloroethene | ND | 0.49 | 3.67 | | | | | | |

| IAQ-HS-14-DP | 05-09-1447-4 | 09/23/05 | Air | N/A | 09/30/05 | 050930L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.16 | 2.53 | | Tetrachloroethene | ND | 0.43 | 2.53 | |
| Trichloroethene | ND | 0.34 | 2.53 | | | | | | |

| IAQ-HS-13 | 05-09-1447-5 | 09/23/05 | Air | N/A | 09/30/05 | 050930L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.098 | 1.53 | | Tetrachloroethene | 0.35 | 0.26 | 1.53 | |
| Trichloroethene | ND | 0.21 | 1.53 | | | | | | |

| IAQ-HS-20 | 05-09-1447-6 | 09/23/05 | Air | N/A | 09/30/05 | 050930L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.087 | 1.36 | | Tetrachloroethene | ND | 0.23 | 1.36 | |
| Trichloroethene | ND | 0.18 | 1.36 | | | | | | |

| IAQ-HS-OUT | 05-09-1447-7 | 09/23/05 | Air | N/A | 09/30/05 | 050930L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.12 | 1.88 | | Tetrachloroethene | ND | 0.32 | 1.88 | |
| Trichloroethene | ND | 0.25 | 1.88 | | | | | | |

| IAQ-HS-19 | 05-09-1447-8 | 09/23/05 | Air | N/A | 09/30/05 | 050930L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.077 | 1.2 | | Tetrachloroethene | 1.6 | 0.2 | 1.2 | |
| Trichloroethene | ND | 0.16 | 1.2 | | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

| | |
|---|---|
| Date Received: | 09/26/05 |
| Work Order No: | 05-09-1447 |
| Preparation: | N/A |
| Method: | EPA TO-15 SIM |
| Units: | ug/m3 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| **Method Blank** | **095-01-052-49** | **N/A** | **Air** | **N/A** | **09/30/05** | **050930L01** |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.064 | 1 | | Tetrachloroethene | ND | 0.17 | 1 | |
| Trichloroethene | ND | 0.13 | 1 | | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: N/A
Work Order No: 05-09-1447
Preparation: N/A
Method: EPA TO-15 SIM

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-49 | Air | GC/MS HH | N/A | 09/30/05 | 050930L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 98 | 98 | 60-140 | 0 | 0-30 | |
| 1,2-Dichloroethane | 103 | 104 | 60-140 | 1 | 0-30 | |
| 1,1,1,2-Tetrachloroethane | 85 | 91 | 60-140 | 6 | 0-30 | |
| Benzene | 92 | 94 | 60-140 | 2 | 0-30 | |
| Carbon Tetrachloride | 93 | 95 | 60-140 | 3 | 0-30 | |
| 1,1,2-Trichloroethane | 98 | 98 | 60-140 | 0 | 0-30 | |
| Toluene | 81 | 87 | 60-140 | 7 | 0-30 | |
| Trichloroethene | 94 | 94 | 60-140 | 1 | 0-30 | |
| Tetrachloroethene | 83 | 88 | 60-140 | 7 | 0-30 | |
| Ethylbenzene | 83 | 85 | 60-140 | 3 | 0-30 | |
| p/m-Xylene | 86 | 87 | 60-140 | 1 | 0-30 | |
| o-Xylene | 84 | 86 | 60-140 | 2 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Glossary of Terms and Qualifiers

Work Order Number: 05-09-1447

| Qualifier | Definition |
|---|---|
| * | See applicable analysis comment. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification. |
| 4 | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification. |
| 5 | The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required. |
| A | Result is the average of all dilutions, as defined by the method. |
| B | Analyte was present in the associated method blank. |
| C | Analyte presence was not confirmed on primary column. |
| E | Concentration exceeds the calibration range. |
| H | Sample received and/or analyzed past the recommended holding time. |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| N | Nontarget Analyte. |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| U | Undetected at the laboratory method detection limit. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |

ENVIRON

☐ 2010 Main St., Suite 900, Irvine, Calif. 92614, (949) 261-5151, (949) 261-6202 (fax)
☐ 707 Wilshire Blvd., Suite 4950, Los Angeles, Calif. 90017, (213) 943-6300, (213) 943-6301 (fax)

# CHAIN-of-CUSTODY № 02873

PAGE ___ of ___

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: Wyle (Norco High School)

FIELD PERSON: Payal & Gunisha

PROJECT NUMBER: 048099P DATE: 09/23/05

PROJECT MANAGER: Rebekah Wale

PROJECT LOCATION: 2065 Temescal Ave, Norco, CA

LABORATORY: Calscience

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: _____ 1447

SAMPLER:

SIGNATURE:

| | SAMPLE I.D. NUMBER | SAMPLE DATE (YEAR) | SAMPLE TIME | ~~INITIAL SAMPLE DEPTH~~ | ~~FINAL SAMPLE VOLUME (L)~~ | MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER | NUMBER OF CONTAINERS | FILTERED/UNFILTERED (F/U) | PRESERVATION (SEE KEY) | ANALYSIS REQUIRED TCE* | PCE* | VC* | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | IAQ-HS-15 | 9/23 | 3:15 | -30 | -10 | | 1 | | | X | X | X | | | | | | | |
| 2 | IAQ-HS-15-TB | 9/23 | 3:15 | 7 | 7 | | | | | | | | | | | | | | Analysis by |
| 3 | IAQ-HS-14 | 9/23 | 4:00 | -30 | -5 | | | | | | | | | | | | | | TO-15-SIM |
| 4 | IAQ-HS-14-DP | 9/23 | 4:00 | -30 | -7.5 | | | | | | | | | | | | | | for TCE, PCE |
| 5 | IAQ-HS-13 | 9/23 | 3:30 | -30 | -2.5 | | | | | | | | | | | | | | & VC |
| 6 | IAQ-HS-20 | 9/23 | 3:20 | -30 | -5 | | | | | | | | | | | | | | |
| 7 | IAQ-HS-OUT | 9/23 | 3:40 | -30 | -25 | | | | | | | | | | | | | | |
| 8 | IAQ-HS-19 | 9/23 | 2:45 | -30 | -10 | | | | | | | | | | | | | | Please report |
| | | | | | | | | | | | | | | | | | | | results in |
| | | | | | | | | | | | | | | | | | | | µg/m³ |
| | TOTAL | X | X | X | | | | | | | | | | | | | | | |

| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: | TIME/DATE: |
|---|---|---|---|
| Payal Mehta | 09/25/05 10:45am | (COMPANY): | 9/26/5 10:45 |
| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: (COMPANY): | TIME/DATE: |
| RELINQUISHED BY: | TIME/DATE: 9/26/5 11:20 | RECEIVED BY: Antoma (COMPANY): | TIME/DATE: 9/26/5 11:20 |

TURNAROUND TIME (CIRCLE ONE): SAMEDAY, 24 HOURS, 48 HOURS, 72 HOURS, 5 DAYS, NORMAL

SAMPLE INTEGRITY: INTACT: Y N Temp_____

IF SEALED, SEAL INTEGRITY: INTACT: Y N

H = HCL; N = HNO3; S = H SO ; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

Calscience Environmental Laboratories, Inc.

**WORK ORDER #:** 05 - 0 9 - 1 4 4 7

**Cooler** 0 **of** 0

# SAMPLE RECEIPT FORM

**CLIENT:** ENVIRON **DATE:** 09/26/05

**TEMPERATURE – SAMPLES RECEIVED BY:**

**CALSCIENCE COURIER:**

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ✓ Ambient temperature.

____ °C Temperature blank.

**LABORATORY (Other than Calscience Courier):**

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: Th

**CUSTODY SEAL INTACT:**

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Applicable (N/A): ✓

Initial: Th

**SAMPLE CONDITION:**

| | Yes | No | N/A |
|---|---|---|---|
| Chain-Of-Custody document(s) received with samples | ✓ | | |
| Sample container label(s) consistent with custody papers | ✓ | | |
| Sample container(s) intact and good condition | ✓ | | |
| Correct containers for analyses requested | ✓ | | |
| Proper preservation noted on sample label(s) | | | ✓ |
| VOA vial(s) free of headspace. | | | ✓ |
| Tedlar bag(s) free of condensation | | | ✓ |

Initial: Th

**COMMENTS:**

**Calscience Environmental Laboratories, Inc.**

September 22, 2005

Rebekah Wale
ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Subject: **Calscience Work Order No.: 05-09-1035**
**Client Reference: WYLE (Norco High School) / 04-8099P**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/19/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

for

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience Environmental Laboratories, Inc.

## CASE NARRATIVE

**Calscience Work Order No.: 05-09-1035**

Provided below is a narrative of our analytical effort, including any unique features or anomalies encountered as part of the analysis of the air samples.

***Sample Condition on Receipt***

Six (6) six-liter Summa canisters (SIM Certified) were received for this project on September 19, 2005. There were no receiving discrepancies.

Testing was performed in accordance with the COC instructions. The laboratory performed analysis using EPA Method TO-15 using GC/MS in the SIM acquisition mode for PCE, TCE, and vinyl chloride.

***Data Summary***

For samples IAQ-HS-16 and IAQ-HS-OUT-91605, one or more internal standards were out of control high. Reanalysis of the samples rendered the same outcome, thus the data is released with no further action.

Holding times

EPA Compendium Method TO-15 does not provide a recommended holding time, but does suggest that most VOCs can be recovered from Summa canisters near their original concentrations after storage times of up to 30 days after collection. All samples were analyzed within 30 days of their collection.

Calibration

Frequency and control criteria specified in the method for initial and continuing calibration verifications were met.

Blanks

Concentrations of target analytes in the Method Blank were found to be below reporting limits.

Laboratory Control Samples

Laboratory Control Sample analyses were performed at the required frequencies. All parameters were within the specified %Rec and RPD quality control limits.

Matrix Spikes

Matrix spiking does not apply for this method

Other

None

Acronyms

| | |
|---|---|
| GC/MS: | Gas Chromatography/Mass Spectroscopy |
| %Rec: | % Recovery |
| RPD: | Relative Percent Difference |
| SIM: | Selective Ion Monitoring |
| VOCs: | Volatile Organic Compounds |
| TCE: | Trichloroethene |
| PCE: | Tetrachloroethene |

Calscience Environmental Laboratories, Inc.

# Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | 09/19/05 |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1035 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 SIM |
| | | Units: | ug/m3 |

Project: WYLE (Norco High School) / 04-8099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| IAQ-HS-17 | 05-09-1035-1 | 09/16/05 | Air | N/A | 09/20/05 | 050920L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.13 | 2.01 | | Tetrachloroethene | 0.64 | 0.34 | 2.01 | |
| Trichloroethene | ND | 0.27 | 2.01 | | | | | | |

| IAQ-HS-17-TB | 05-09-1035-2 | 09/16/05 | Air | N/A | 09/20/05 | 050920L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.091 | 1.43 | | Tetrachloroethene | ND | 0.24 | 1.43 | |
| Trichloroethene | ND | 0.19 | 1.43 | | | | | | |

| IAQ-HS-18 | 05-09-1035-3 | 09/16/05 | Air | N/A | 09/20/05 | 050920L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.20 | 3.17 | | Tetrachloroethene | ND | 0.54 | 3.17 | |
| Trichloroethene | ND | 0.43 | 3.17 | | | | | | |

| IAQ-HS-18-DP | 05-09-1035-4 | 09/16/05 | Air | N/A | 09/20/05 | 050920L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.21 | 3.28 | | Tetrachloroethene | ND | 0.56 | 3.28 | |
| Trichloroethene | ND | 0.44 | 3.28 | | | | | | |

| IAQ-HS-16 | 05-09-1035-5 | 09/16/05 | Air | N/A | 09/20/05 | 050920L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.064 | 1 | | Tetrachloroethene | 0.63 | 0.17 | 1 | |
| Trichloroethene | 0.32 | 0.13 | 1 | | | | | | |

| IAQ-HS-OUT-91605 | 05-09-1035-6 | 09/16/05 | Air | N/A | 09/20/05 | 050920L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.075 | 1.18 | | Tetrachloroethene | 0.70 | 0.2 | 1.18 | |
| Trichloroethene | 0.17 | 0.16 | 1.18 | | | | | | |

| Method Blank | 095-01-052-47 | N/A | Air | N/A | 09/20/05 | 050920L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.064 | 1 | | Tetrachloroethene | ND | 0.17 | 1 | |
| Trichloroethene | ND | 0.13 | 1 | | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

| | | | |
|---|---|---|---|
| ENVIRON CORPORATION | | Date Received: | N/A |
| 2010 Main Street, Suite 900 | | Work Order No: | 05-09-1035 |
| Irvine, CA 92614-7215 | | Preparation: | N/A |
| | | Method: | EPA TO-15 SIM |

Project: WYLE (Norco High School) / 04-8099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-47 | Air | GC/MS HH | N/A | 09/20/05 | 050920L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 90 | 88 | 60-140 | 2 | 0-30 | |
| 1,2-Dichloroethane | 93 | 91 | 60-140 | 2 | 0-30 | |
| 1,1,1,2-Tetrachloroethane | 89 | 89 | 60-140 | 0 | 0-30 | |
| Benzene | 89 | 87 | 60-140 | 3 | 0-30 | |
| Carbon Tetrachloride | 90 | 89 | 60-140 | 1 | 0-30 | |
| 1,1,2-Trichloroethane | 96 | 94 | 60-140 | 2 | 0-30 | |
| Toluene | 87 | 86 | 60-140 | 1 | 0-30 | |
| Trichloroethene | 92 | 90 | 60-140 | 2 | 0-30 | |
| Tetrachloroethene | 85 | 86 | 60-140 | 2 | 0-30 | |
| Ethylbenzene | 90 | 91 | 60-140 | 0 | 0-30 | |
| p/m-Xylene | 93 | 89 | 60-140 | 4 | 0-30 | |
| o-Xylene | 88 | 88 | 60-140 | 0 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Glossary of Terms and Qualifiers

Work Order Number: 05-09-1035

| Qualifier | Definition |
|---|---|
| * | See applicable analysis comment. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification. |
| 4 | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification. |
| 5 | The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required. |
| A | Result is the average of all dilutions, as defined by the method. |
| B | Analyte was present in the associated method blank. |
| C | Analyte presence was not confirmed on primary column. |
| E | Concentration exceeds the calibration range. |
| H | Sample received and/or analyzed past the recommended holding time. |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| N | Nontarget Analyte. |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| U | Undetected at the laboratory method detection limit. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |

ENVIRON
☐ 2010 Main St., Suite 900 Irvine, Calif. 92614 (949) 261-5151 (949) 261-6202 (fax)
☐ 707 Wilshire Blvd., Suite 4950 Los Angeles, Calif. 90017 (213) 943-6300 (213) 943-6301 (fax)

# CHAIN-of-CUSTODY № 02872

PAGE ___ of ___

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: Wyle (Norco High School)

FIELD PERSON: Payal & Gurisha

PROJECT NUMBER: 048099P DATE: 09/16/05

PROJECT MANAGER: Rebekah Wale

PROJECT LOCATION: 2065 Temescal Avenue, Norco, CA

LABORATORY: Calscience

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: _____

1035

SAMPLER:

SIGNATURE:

| | SAMPLE I.D. NUMBER | SAMPLE DATE (YEAR) | SAMPLE TIME | ~~SAMPLE DEPTH~~ initial | ~~AIR SAMPLE VOLUME (L)~~ final | MATRIX (A) AIR (S) SOIL (S) GAS (W) WATER | NUMBER OF CONTAINERS | FILTERED/UNFILTERED (F/U) | PRESERVATION (SEE KEY) | ANALYSIS REQUIRED: TCE | PCE | VC | | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | IAQ-HS-17 | 9/16 | 3:40 | -30 | -5 | | | | | * | * | * | | | | | | | | |
| 2 | IAQ-HS-17-TB | 9/16 | 3:40 | +5 | +5 | | | | | | | | | | | | | | | Analysis by |
| 3 | IAQ-HS-18 | 9/16 | 4:35 | -30 | -25 | | | | | | | | | | | | | | | |
| 4 | IAQ-HS-18-DP | 9/16 | 4:05 | -30 | -5 | | | | | | | | | | | | | | | TO-15-SIM |
| 5 | IAQ-HS-16 | 9/16 | 4:40 | -30 | -10 | | | | | | | | | | | | | | | |
| 6 | IAQ-HS-OUT-91605 | 9/16 | 3:50 | -30 | -5 | | | | | | | | | | | | | | | |
| | TOTAL | X | X | X | | | | | | | | | | | | | | | | |

H = HCL; N = HNO3; S = H SO ; U = UNKNOWN; NO = NONE; O = OTHER

| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: (COMPANY): | TIME/DATE: |
|---|---|---|---|
| Manisha Pasich | 9/19/05 9:30AM | CEC | 9/19/05 9:30 |
| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: (COMPANY): | TIME/DATE: |
| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: (COMPANY): | TIME/DATE: |
| | 9/19/05 10:35 | Jen Toma CEC | 9/19/05 10:35 |

TURNAROUND TIME (CIRCLE ONE): SAMEDAY, 24 HOURS, 48 HOURS, 72 HOURS, 5 DAYS, NORMAL

SAMPLE INTEGRITY: INTACT: Y N Temp_____

IF SEALED, SEAL INTEGRITY: INTACT: Y N

FILE: LOG FORMS\Chain_of_Custody

Calscience Environmental Laboratories, Inc.

**WORK ORDER #:** **05 - 0 9 - 1 0 3 5**

**Cooler** 0 **of** 0

# SAMPLE RECEIPT FORM

**CLIENT:** ENVIRON **DATE:** 09/19/05

**TEMPERATURE – SAMPLES RECEIVED BY:**

**CALSCIENCE COURIER:**

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ✓ Ambient temperature.
- ____ °C Temperature blank.

**LABORATORY (Other than Calscience Courier):**

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: Tm

**CUSTODY SEAL INTACT:**

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Applicable (N/A): ✓

Initial: Tm

**SAMPLE CONDITION:**

| | Yes | No | N/A |
|---|---|---|---|
| Chain-Of-Custody document(s) received with samples | ✓ | | |
| Sample container label(s) consistent with custody papers | ✓ | | |
| Sample container(s) intact and good condition | ✓ | | |
| Correct containers for analyses requested | ✓ | | |
| Proper preservation noted on sample label(s) | | | ✓ |
| VOA vial(s) free of headspace. | | | ✓ |
| Tedlar bag(s) free of condensation | | | ✓ |

Initial: Tm

**COMMENTS:**

**Calscience Environmental Laboratories, Inc.**

September 06, 2005

Rebekah Wale
ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Subject: **Calscience Work Order No.: 05-09-0145**
**Client Reference: Norco High School / 048-099P**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/2/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

for

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience Environmental Laboratories, Inc.

## CASE NARRATIVE

**Calscience Work Order No.: 05-09-0145**

Provided below is a narrative of our analytical effort, including any unique features or anomalies encountered as part of the analysis of the air samples.

***Sample Condition on Receipt***

Seven (7) six-liter Summa canisters (SIM Certified) were received for this project on September 2, 2005. There were no receiving discrepancies.

Testing was performed in accordance with the COC instructions. The laboratory performed analysis using EPA Method TO-15 using GC/MS in the SIM acquisition mode for PCE, TCE, and vinyl chloride.

***Data Summary***

Holding times

EPA Compendium Method TO-15 does not provide a recommended holding time, but does suggest that most VOCs can be recovered from Summa canisters near their original concentrations after storage times of up to 30 days after collection. All samples were analyzed within 30 days of their collection.

Calibration

Frequency and control criteria specified in the method for initial and continuing calibration verifications were met.

Blanks

Concentrations of target analytes in the Method Blank were found to be below reporting limits.

Laboratory Control Samples

Laboratory Control Sample analyses were performed at the required frequencies. All parameters were within the specified %Rec and RPD quality control limits.

Matrix Spikes

Matrix spiking does not apply for this method

Other

None

Acronyms

| | |
|---|---|
| GC/MS: | Gas Chromatography/Mass Spectroscopy |
| %Rec: | % Recovery |
| RPD: | Relative Percent Difference |
| SIM: | Selective Ion Monitoring |
| VOCs: | Volatile Organic Compounds |
| TCE: | Trichloroethene |
| PCE: | Tetrachloroethene |

Calscience Environmental Laboratories, Inc.

# Analytical Report

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: 09/02/05
Work Order No: 05-09-0145
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: Norco High School / 048-099P



| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|
| IAQ-HS-11 | 05-09-0145-1 | 09/01/05 | Air | N/A | 09/03/05 | 050902L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 0.081 | 0.064 | 1 | | Tetrachloroethene | 0.47 | 0.17 | 1 | |
| Trichloroethene | ND | 0.13 | 1 | | | | | | |

| IAQ-HS-12 | 05-09-0145-2 | 09/01/05 | Air | N/A | 09/03/05 | 050902L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.064 | 1 | | Tetrachloroethene | 0.40 | 0.17 | 1 | |
| Trichloroethene | ND | 0.13 | 1 | | | | | | |

| IAQ-HS-9 | 05-09-0145-3 | 09/01/05 | Air | N/A | 09/03/05 | 050902L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.075 | 1.18 | | Tetrachloroethene | 1.1 | 0.2 | 1.18 | |
| Trichloroethene | 5.1 | 0.1 | 1.18 | | | | | | |

| IAQ-HS-10 | 05-09-0145-4 | 09/01/05 | Air | N/A | 09/03/05 | 050902L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 0.28 | 0.07 | 1.11 | | Tetrachloroethene | 0.54 | 0.19 | 1.11 | |
| Trichloroethene | 0.18 | 0.15 | 1.11 | | | | | | |

| IAQ-HS-9-DP | 05-09-0145-5 | 09/01/05 | Air | N/A | 09/03/05 | 050902L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.11 | 1.79 | | Tetrachloroethene | 2.6 | 0.3 | 1.79 | |
| Trichloroethene | 0.60 | 0.24 | 1.79 | | | | | | |

| IAQ-HS-10-TB | 05-09-0145-6 | 09/01/05 | Air | N/A | 09/02/05 | 050902L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.070 | 1.1 | | Tetrachloroethene | ND | 0.19 | 1.1 | |
| Trichloroethene | ND | 0.15 | 1.1 | | | | | | |

| IAQ-HS-OUT | 05-09-0145-7 | 09/01/05 | Air | N/A | 09/03/05 | 050902L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.12 | 1.87 | | Tetrachloroethene | 0.56 | 0.32 | 1.87 | |
| Trichloroethene | ND | 0.25 | 1.87 | | | | | | |

| Method Blank | 095-01-052-45 | N/A | Air | N/A | 09/02/05 | 050902L01 |
|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | ND | 0.064 | 1 | | Tetrachloroethene | ND | 0.17 | 1 | |
| Trichloroethene | ND | 0.13 | 1 | | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Quality Control - LCS/LCS Duplicate

ENVIRON CORPORATION
2010 Main Street, Suite 900
Irvine, CA 92614-7215

Date Received: N/A
Work Order No: 05-09-0145
Preparation: N/A
Method: EPA TO-15 SIM

Project: Norco High School / 048-099P

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 095-01-052-45 | Air | GC/MS HH | N/A | 09/02/05 | 050902L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 80 | 82 | 60-140 | 2 | 0-30 | |
| 1,2-Dichloroethane | 85 | 80 | 60-140 | 7 | 0-30 | |
| 1,1,1,2-Tetrachloroethane | 87 | 90 | 60-140 | 3 | 0-30 | |
| Benzene | 86 | 83 | 60-140 | 3 | 0-30 | |
| Carbon Tetrachloride | 89 | 90 | 60-140 | 1 | 0-30 | |
| 1,1,2-Trichloroethane | 93 | 92 | 60-140 | 2 | 0-30 | |
| Toluene | 81 | 82 | 60-140 | 2 | 0-30 | |
| Trichloroethene | 95 | 94 | 60-140 | 1 | 0-30 | |
| Tetrachloroethene | 87 | 89 | 60-140 | 2 | 0-30 | |
| Ethylbenzene | 82 | 83 | 60-140 | 1 | 0-30 | |
| p/m-Xylene | 89 | 90 | 60-140 | 1 | 0-30 | |
| o-Xylene | 81 | 82 | 60-140 | 2 | 0-30 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Glossary of Terms and Qualifiers

Work Order Number: 05-09-0145

| Qualifier | Definition |
|---|---|
| * | See applicable analysis comment. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification. |
| 4 | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification. |
| 5 | The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required. |
| A | Result is the average of all dilutions, as defined by the method. |
| B | Analyte was present in the associated method blank. |
| C | Analyte presence was not confirmed on primary column. |
| E | Concentration exceeds the calibration range. |
| H | Sample received and/or analyzed past the recommended holding time. |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| N | Nontarget Analyte. |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| U | Undetected at the laboratory method detection limit. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |

ENVIRON
☐ 2010 Main St., Suite 900 Irvine, Calif. 92614 (949) 261-5151 (949) 261-6202 (fax)
☐ 707 Wilshire Blvd., Suite 4950 Los Angeles, Calif. 90017 (213) 943-6300 (213) 943-6301 (fax)

# CHAIN-of-CUSTODY № 03239

PAGE ___ of ___

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: NORCO HIGH SCHOOL

FIELD PERSON: Payal & Seema

PROJECT NUMBER: QH8099P DATE: 09/01/05

PROJECT MANAGER: Rebekah

PROJECT LOCATION: NORCO, CA (Science Bldg)

LABORATORY: Calscience

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: _____ 0145

SAMPLER:

SIGNATURE:

| | SAMPLE I.D. NUMBER | SAMPLE DATE (YEAR) | SAMPLE TIME | SAMPLE DEPTH (In high) | AIR SAMPLE VOLUME (L) | MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER | NUMBER OF CONTAINERS | FILTERED/UNFILTERED (F/U) | PRESERVATION (SEE KEY) | ANALYSIS REQUIRED TCE* | PCE* | VC* | | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | IAQ-HS-11 | 9/1 | 12:45 | -30 | 0 | | | | | X | X | X | | | | | | | | |
| 2 | IAQ-HS-12 | 9/1 | 11:40 | -30 | -5 | | | | | X | X | X | | | | | | | | |
| 3 | IAQ-HS-9 | 9/1 | 12:20 | -30 | -10 | | | | | X | X | X | | | | | | | | TCE, PCE, VC |
| 4 | IAQ-HS-10 | 9/1 | 1:30 | -30 | -10 | | | | | X | X | X | | | | | | | | using |
| 5 | IAQ-HS-9-DP | 9/1 | 12:25 | -30 | -5 | | | | | X | X | X | | | | | | | | |
| 6 | IAQ-HS-10-TB | 9/1 | 1:35 | 5 | 5 | | | | | X | X | X | | | | | | | | TO-15-SIM |
| 7 | IAQ-HS-OUT | 9/1 | 11:15 | -30 | -5 | | | | | X | X | X | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | Please indicate |
| | | | | | | | | | | | | | | | | | | | | results in |
| | | | | | | | | | | | | | | | | | | | | µg/m3 |
| | TOTAL | X | X | X | | | | | | | | | | | | | | | | |

H = HCL; N = $HNO_3$; S = $H_2SO_4$; U = UNKNOWN; NO = NONE; O = OTHER

| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: | TIME/DATE: |
|---|---|---|---|
| Payal Mehta | 2:45 pm 09/02/05 | (COMPANY): CEC | 9/2/05 14:45 |
| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: (COMPANY): | TIME/DATE: |
| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: (COMPANY): | TIME/DATE: |

TURNAROUND TIME (CIRCLE ONE): SAMEDAY, 24 HOURS, 48 HOURS, 72 HOURS, 5 DAYS, NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp_____

IF SEALED, SEAL INTEGRITY — INTACT: Y N

FILE: LOG FORMS\Chain_of_Custody

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 05 - 09 - 0145

Cooler Ø of Ø

# SAMPLE RECEIPT FORM

CLIENT: Environ

DATE: 9/2/05

## TEMPERATURE – SAMPLES RECEIVED BY:

**CALSCIENCE COURIER:**

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

**LABORATORY (Other than Calscience Courier):**

_____ °C Temperature blank.
_____ °C IR thermometer.
✓ Ambient temperature.

Initial: SF

## CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: SF

## SAMPLE CONDITION:

| | Yes | No | N/A |
|---|---|---|---|
| Chain-Of-Custody document(s) received with samples | ✓ | | |
| Sample container label(s) consistent with custody papers | ✓ | | |
| Sample container(s) intact and good condition | ✓ | | |
| Correct containers for analyses requested | ✓ | | |
| Proper preservation noted on sample label(s) | | | ✓ |
| VOA vial(s) free of headspace. | | | ✓ |
| Tedlar bag(s) free of condensation | ✓ | | |

Initial: SF

## COMMENTS:

Del Mar Analytical

17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

# LABORATORY REPORT

Prepared For: Environ-Irvine
2010 Main Street, 9th Floor
Irvine, CA 92614
Attention: Rebekah Wale

Project: Wyle Laboratory Soils / Waters
04-8099P

Sampled: 09/17/05
Received: 09/19/05
Issued: 09/20/05 16:29

NELAP #01108CA California ELAP#1197 CSDLAC #10117

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.*
*This entire report was reviewed and approved for release.*

## CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 5°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

| LABORATORY ID | CLIENT ID | MATRIX |
|---|---|---|
| IOI1274-01 | ASG-HS-26 | Water |
| IOI1274-02 | ASG-HS-31 | Water |
| IOI1274-03 | TB-09-17-05 | Water |
| IOI1274-04 | ASG-HS-29 | Water |
| IOI1274-05 | ASG-HS-27 | Water |
| IOI1274-06 | ASG-HS-30D | Water |
| IOI1274-07 | ASG-HS-30 | Water |
| IOI1274-08 | ASG-HS-28 | Water |

Reviewed By:

**Del Mar Analytical, Irvine**
Patty Mata
Project Manager

Del Mar Analytical

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Environ-Irvine
2010 Main Street, 9th Floor
Irvine, CA 92614
Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-01 (ASG-HS-26 - Water)** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| Benzene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromodichloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromoform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| n-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| sec-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| tert-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Carbon tetrachloride | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 4-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,4-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dichlorodifluoromethane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloroethane | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloropropene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Ethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Hexachlorobutadiene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Isopropylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| p-Isopropyltoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Methylene chloride | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Naphthalene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |

**Del Mar Analytical, Irvine**
Patty Mata
Project Manager

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Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-01 (ASG-HS-26 - Water) - cont.** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Styrene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Tetrachloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Toluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichlorofluoromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Vinyl chloride | EPA 8260B | 5I19017 | 0.40 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| o-Xylene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| m,p-Xylenes | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| *Surrogate: Dibromofluoromethane (80-120%)* | | | | *102 %* | | | | |
| *Surrogate: Toluene-d8 (80-120%)* | | | | *104 %* | | | | |
| *Surrogate: 4-Bromofluorobenzene (80-120%)* | | | | *99 %* | | | | |

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Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-02 (ASG-HS-31 - Water)** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| Benzene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromodichloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromoform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| n-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| sec-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| tert-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Carbon tetrachloride | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 4-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,4-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dichlorodifluoromethane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloroethane | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloropropene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Ethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Hexachlorobutadiene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Isopropylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| p-Isopropyltoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Methylene chloride | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Naphthalene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |

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Patty Mata
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Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-02 (ASG-HS-31 - Water) - cont.** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Styrene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Tetrachloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Toluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichlorofluoromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Vinyl chloride | EPA 8260B | 5I19017 | 0.40 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| o-Xylene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| m,p-Xylenes | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| *Surrogate: Dibromofluoromethane (80-120%)* | | | | *109 %* | | | | |
| *Surrogate: Toluene-d8 (80-120%)* | | | | *104 %* | | | | |
| *Surrogate: 4-Bromofluorobenzene (80-120%)* | | | | *99 %* | | | | |

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Project Manager

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04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-03 (TB-09-17-05 - Water)** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| Benzene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromodichloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromoform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| n-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| sec-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| tert-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Carbon tetrachloride | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 4-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,4-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dichlorodifluoromethane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloroethane | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloropropene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Ethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Hexachlorobutadiene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Isopropylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| p-Isopropyltoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Methylene chloride | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Naphthalene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |

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Patty Mata
Project Manager

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Environ-Irvine
2010 Main Street, 9th Floor
Irvine, CA 92614
Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-03 (TB-09-17-05 - Water) - cont.** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Styrene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Tetrachloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Toluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichlorofluoromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Vinyl chloride | EPA 8260B | 5I19017 | 0.40 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| o-Xylene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| m,p-Xylenes | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| *Surrogate: Dibromofluoromethane (80-120%)* | | | | *99 %* | | | | |
| *Surrogate: Toluene-d8 (80-120%)* | | | | *104 %* | | | | |
| *Surrogate: 4-Bromofluorobenzene (80-120%)* | | | | *99 %* | | | | |

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Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

# VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-04 (ASG-HS-29 - Water)** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| Benzene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromodichloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromoform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| n-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| sec-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| tert-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Carbon tetrachloride | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 4-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,4-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dichlorodifluoromethane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloroethane | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloropropene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Ethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Hexachlorobutadiene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Isopropylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| p-Isopropyltoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Methylene chloride | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Naphthalene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |

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Patty Mata
Project Manager

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Environ-Irvine
2010 Main Street, 9th Floor
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Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-04 (ASG-HS-29 - Water) - cont.** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Styrene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Tetrachloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Toluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichlorofluoromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Vinyl chloride | EPA 8260B | 5I19017 | 0.40 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| o-Xylene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| m,p-Xylenes | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| *Surrogate: Dibromofluoromethane (80-120%)* | | | | *102 %* | | | | |
| *Surrogate: Toluene-d8 (80-120%)* | | | | *103 %* | | | | |
| *Surrogate: 4-Bromofluorobenzene (80-120%)* | | | | *98 %* | | | | |

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Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-05 (ASG-HS-27 - Water)** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| Benzene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromodichloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromoform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| n-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| sec-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| tert-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Carbon tetrachloride | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 4-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,4-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dichlorodifluoromethane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloroethane | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloropropene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Ethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Hexachlorobutadiene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Isopropylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| p-Isopropyltoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Methylene chloride | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Naphthalene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |

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Environ-Irvine
2010 Main Street, 9th Floor
Irvine, CA 92614
Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-05 (ASG-HS-27 - Water) - cont.** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Styrene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Tetrachloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Toluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichlorofluoromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Vinyl chloride | EPA 8260B | 5I19017 | 0.40 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| o-Xylene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| m,p-Xylenes | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| *Surrogate: Dibromofluoromethane (80-120%)* | | | | *107 %* | | | | |
| *Surrogate: Toluene-d8 (80-120%)* | | | | *103 %* | | | | |
| *Surrogate: 4-Bromofluorobenzene (80-120%)* | | | | *100 %* | | | | |

**Del Mar Analytical, Irvine**
Patty Mata
Project Manager

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Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-06 (ASG-HS-30D - Water)** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| Benzene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromodichloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromoform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| n-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| sec-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| tert-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Carbon tetrachloride | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 4-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,4-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dichlorodifluoromethane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloroethane | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloropropene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Ethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Hexachlorobutadiene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Isopropylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| p-Isopropyltoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Methylene chloride | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Naphthalene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |

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Patty Mata
Project Manager

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Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-06 (ASG-HS-30D - Water) - cont.** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Styrene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Tetrachloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Toluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichlorofluoromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Vinyl chloride | EPA 8260B | 5I19017 | 0.40 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| o-Xylene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| m,p-Xylenes | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| *Surrogate: Dibromofluoromethane (80-120%)* | | | | *112 %* | | | | |
| *Surrogate: Toluene-d8 (80-120%)* | | | | *103 %* | | | | |
| *Surrogate: 4-Bromofluorobenzene (80-120%)* | | | | *98 %* | | | | |

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04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-07 (ASG-HS-30 - Water)** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| Benzene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromodichloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromoform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| n-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| sec-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| tert-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Carbon tetrachloride | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 4-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,4-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dichlorodifluoromethane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloroethane | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloropropene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Ethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Hexachlorobutadiene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Isopropylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| p-Isopropyltoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Methylene chloride | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Naphthalene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |

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Patty Mata
Project Manager

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Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-07 (ASG-HS-30 - Water) - cont.** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Styrene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Tetrachloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Toluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichlorofluoromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Vinyl chloride | EPA 8260B | 5I19017 | 0.40 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| o-Xylene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| m,p-Xylenes | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| *Surrogate: Dibromofluoromethane (80-120%)* | | | | *109 %* | | | | |
| *Surrogate: Toluene-d8 (80-120%)* | | | | *104 %* | | | | |
| *Surrogate: 4-Bromofluorobenzene (80-120%)* | | | | *99 %* | | | | |

**Del Mar Analytical, Irvine**
Patty Mata
Project Manager

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Environ-Irvine
2010 Main Street, 9th Floor
Irvine, CA 92614
Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-08 (ASG-HS-28 - Water)** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| Benzene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromodichloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromoform | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Bromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| n-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| sec-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| tert-Butylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Carbon tetrachloride | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Chloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| **Chloroform** | EPA 8260B | 5I19017 | 1.0 | **1.2** | 1 | 9/19/2005 | 9/19/2005 | |
| Chloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 4-Chlorotoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromochloromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dibromomethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,4-Dichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Dichlorodifluoromethane | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloroethane | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,2-Dichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 2,2-Dichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1-Dichloropropene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| cis-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| trans-1,3-Dichloropropene | EPA 8260B | 5I19017 | 0.50 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Ethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Hexachlorobutadiene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Isopropylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| p-Isopropyltoluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Methylene chloride | EPA 8260B | 5I19017 | 5.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Naphthalene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |

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Patty Mata
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Environ-Irvine
2010 Main Street, 9th Floor
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Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|
| **Sample ID: IOI1274-08 (ASG-HS-28 - Water) - cont.** | | | | | | | | |
| **Reporting Units: ug/l** | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Styrene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Tetrachloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Toluene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,1-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,1,2-Trichloroethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichloroethene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Trichlorofluoromethane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,3-Trichloropropane | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| Vinyl chloride | EPA 8260B | 5I19017 | 0.40 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| o-Xylene | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| m,p-Xylenes | EPA 8260B | 5I19017 | 1.0 | ND | 1 | 9/19/2005 | 9/19/2005 | |
| *Surrogate: Dibromofluoromethane (80-120%)* | | | | *103 %* | | | | |
| *Surrogate: Toluene-d8 (80-120%)* | | | | *103 %* | | | | |
| *Surrogate: 4-Bromofluorobenzene (80-120%)* | | | | *99 %* | | | | |

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Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## METHOD BLANK/QC DATA

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: 5I19017 Extracted: 09/19/05** | | | | | | | | | | |
| **Blank Analyzed: 09/19/2005 (5I19017-BLK1)** | | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 1.0 | ug/l | | | | | | | |
| Bromochloromethane | ND | 1.0 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 1.0 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 1.0 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 1.0 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 1.0 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 1.0 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 1.0 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 1.0 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 1.0 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | ug/l | | | | | | | |
| Dibromomethane | ND | 1.0 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 5.0 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 1.0 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 1.0 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |

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Sampled: 09/17/05
Received: 09/19/05

## METHOD BLANK/QC DATA

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: 5I19017 Extracted: 09/19/05** | | | | | | | | | | |
| **Blank Analyzed: 09/19/2005 (5I19017-BLK1)** | | | | | | | | | | |
| Ethylbenzene | ND | 1.0 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 1.0 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 1.0 | ug/l | | | | | | | |
| Methylene chloride | ND | 5.0 | ug/l | | | | | | | |
| Naphthalene | ND | 1.0 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 1.0 | ug/l | | | | | | | |
| Styrene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/l | | | | | | | |
| Trichloroethene | ND | 1.0 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.40 | ug/l | | | | | | | |
| o-Xylene | ND | 1.0 | ug/l | | | | | | | |
| m,p-Xylenes | ND | 1.0 | ug/l | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *25.3* | | *ug/l* | *25.0* | | *101* | *80-120* | | | |
| *Surrogate: Toluene-d8* | *25.9* | | *ug/l* | *25.0* | | *104* | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *24.5* | | *ug/l* | *25.0* | | *98* | *80-120* | | | |

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Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## METHOD BLANK/QC DATA

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: 5I19017 Extracted: 09/19/05** | | | | | | | | | | |
| **LCS Analyzed: 09/19/2005 (5I19017-BS1)** | | | | | | | | | | |
| Benzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 65-120 | | | |
| Bromobenzene | 23.0 | 1.0 | ug/l | 25.0 | | 92 | 70-120 | | | |
| Bromochloromethane | 23.8 | 1.0 | ug/l | 25.0 | | 95 | 65-130 | | | |
| Bromodichloromethane | 24.2 | 1.0 | ug/l | 25.0 | | 97 | 65-135 | | | |
| Bromoform | 24.3 | 1.0 | ug/l | 25.0 | | 97 | 50-130 | | | |
| Bromomethane | 23.7 | 1.0 | ug/l | 25.0 | | 95 | 60-140 | | | |
| n-Butylbenzene | 25.1 | 1.0 | ug/l | 25.0 | | 100 | 70-125 | | | |
| sec-Butylbenzene | 23.3 | 1.0 | ug/l | 25.0 | | 93 | 70-125 | | | |
| tert-Butylbenzene | 23.3 | 1.0 | ug/l | 25.0 | | 93 | 70-125 | | | |
| Carbon tetrachloride | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 65-140 | | | |
| Chlorobenzene | 22.8 | 1.0 | ug/l | 25.0 | | 91 | 70-125 | | | |
| Chloroethane | 24.2 | 1.0 | ug/l | 25.0 | | 97 | 55-140 | | | |
| Chloroform | 22.3 | 1.0 | ug/l | 25.0 | | 89 | 65-130 | | | |
| Chloromethane | 19.0 | 1.0 | ug/l | 25.0 | | 76 | 40-140 | | | |
| 2-Chlorotoluene | 22.8 | 1.0 | ug/l | 25.0 | | 91 | 70-125 | | | |
| 4-Chlorotoluene | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 70-125 | | | |
| Dibromochloromethane | 24.9 | 1.0 | ug/l | 25.0 | | 100 | 65-140 | | | |
| 1,2-Dibromo-3-chloropropane | 21.8 | 5.0 | ug/l | 25.0 | | 87 | 45-135 | | | |
| 1,2-Dibromoethane (EDB) | 23.0 | 1.0 | ug/l | 25.0 | | 92 | 70-125 | | | |
| Dibromomethane | 23.3 | 1.0 | ug/l | 25.0 | | 93 | 65-130 | | | |
| 1,2-Dichlorobenzene | 22.8 | 1.0 | ug/l | 25.0 | | 91 | 70-120 | | | |
| 1,3-Dichlorobenzene | 23.0 | 1.0 | ug/l | 25.0 | | 92 | 70-125 | | | |
| 1,4-Dichlorobenzene | 27.4 | 1.0 | ug/l | 25.0 | | 110 | 70-125 | | | |
| Dichlorodifluoromethane | 20.6 | 5.0 | ug/l | 25.0 | | 82 | 25-155 | | | |
| 1,1-Dichloroethane | 22.3 | 1.0 | ug/l | 25.0 | | 89 | 65-130 | | | |
| 1,2-Dichloroethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 60-140 | | | |
| 1,1-Dichloroethene | 20.7 | 1.0 | ug/l | 25.0 | | 83 | 70-130 | | | |
| cis-1,2-Dichloroethene | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 65-125 | | | |
| trans-1,2-Dichloroethene | 24.1 | 1.0 | ug/l | 25.0 | | 96 | 65-130 | | | |
| 1,2-Dichloropropane | 23.2 | 1.0 | ug/l | 25.0 | | 93 | 65-125 | | | |
| 1,3-Dichloropropane | 23.1 | 1.0 | ug/l | 25.0 | | 92 | 65-125 | | | |
| 2,2-Dichloropropane | 23.6 | 1.0 | ug/l | 25.0 | | 94 | 60-145 | | | |
| 1,1-Dichloropropene | 23.6 | 1.0 | ug/l | 25.0 | | 94 | 70-130 | | | |
| cis-1,3-Dichloropropene | 25.8 | 0.50 | ug/l | 25.0 | | 103 | 70-130 | | | |
| trans-1,3-Dichloropropene | 26.5 | 0.50 | ug/l | 25.0 | | 106 | 65-130 | | | |

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Environ-Irvine
2010 Main Street, 9th Floor
Irvine, CA 92614
Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## METHOD BLANK/QC DATA

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: 5I19017 Extracted: 09/19/05** | | | | | | | | | | |
| **LCS Analyzed: 09/19/2005 (5I19017-BS1)** | | | | | | | | | | |
| Ethylbenzene | 23.8 | 1.0 | ug/l | 25.0 | | 95 | 70-125 | | | |
| Hexachlorobutadiene | 23.8 | 1.0 | ug/l | 25.0 | | 95 | 60-135 | | | |
| Isopropylbenzene | 23.9 | 1.0 | ug/l | 25.0 | | 96 | 70-125 | | | |
| p-Isopropyltoluene | 23.7 | 1.0 | ug/l | 25.0 | | 95 | 70-125 | | | |
| Methylene chloride | 20.6 | 5.0 | ug/l | 25.0 | | 82 | 60-130 | | | |
| Naphthalene | 23.7 | 1.0 | ug/l | 25.0 | | 95 | 50-140 | | | |
| n-Propylbenzene | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 70-125 | | | |
| Styrene | 26.0 | 1.0 | ug/l | 25.0 | | 104 | 70-130 | | | |
| 1,1,1,2-Tetrachloroethane | 25.5 | 1.0 | ug/l | 25.0 | | 102 | 70-135 | | | |
| 1,1,2,2-Tetrachloroethane | 21.4 | 1.0 | ug/l | 25.0 | | 86 | 55-130 | | | |
| Tetrachloroethene | 23.8 | 1.0 | ug/l | 25.0 | | 95 | 65-125 | | | |
| Toluene | 23.0 | 1.0 | ug/l | 25.0 | | 92 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 25.6 | 1.0 | ug/l | 25.0 | | 102 | 60-130 | | | |
| 1,2,4-Trichlorobenzene | 26.7 | 1.0 | ug/l | 25.0 | | 107 | 65-135 | | | |
| 1,1,1-Trichloroethane | 23.3 | 1.0 | ug/l | 25.0 | | 93 | 65-135 | | | |
| 1,1,2-Trichloroethane | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 65-125 | | | |
| Trichloroethene | 23.6 | 1.0 | ug/l | 25.0 | | 94 | 70-125 | | | |
| Trichlorofluoromethane | 24.3 | 1.0 | ug/l | 25.0 | | 97 | 60-140 | | | |
| 1,2,3-Trichloropropane | 21.5 | 1.0 | ug/l | 25.0 | | 86 | 55-130 | | | |
| 1,2,4-Trimethylbenzene | 24.2 | 1.0 | ug/l | 25.0 | | 97 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 24.4 | 1.0 | ug/l | 25.0 | | 98 | 70-125 | | | |
| Vinyl chloride | 20.2 | 0.40 | ug/l | 25.0 | | 81 | 50-130 | | | |
| o-Xylene | 23.3 | 1.0 | ug/l | 25.0 | | 93 | 70-125 | | | |
| m,p-Xylenes | 47.4 | 1.0 | ug/l | 50.0 | | 95 | 70-125 | | | |
| *Surrogate: Dibromofluoromethane* | *24.8* | | *ug/l* | *25.0* | | *99* | *80-120* | | | |
| *Surrogate: Toluene-d8* | *25.8* | | *ug/l* | *25.0* | | *103* | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *25.2* | | *ug/l* | *25.0* | | *101* | *80-120* | | | |

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Patty Mata
Project Manager

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Environ-Irvine
2010 Main Street, 9th Floor
Irvine, CA 92614
Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## METHOD BLANK/QC DATA

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: 5I19017 Extracted: 09/19/05** | | | | | | | | | | |
| **Matrix Spike Analyzed: 09/19/2005 (5I19017-MS1)** | | | | | **Source: IOI1274-01** | | | | | |
| Benzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 60-125 | | | |
| Bromobenzene | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 65-125 | | | |
| Bromochloromethane | 24.9 | 1.0 | ug/l | 25.0 | ND | 100 | 60-135 | | | |
| Bromodichloromethane | 24.9 | 1.0 | ug/l | 25.0 | ND | 100 | 65-135 | | | |
| Bromoform | 25.5 | 1.0 | ug/l | 25.0 | ND | 102 | 50-135 | | | |
| Bromomethane | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 50-145 | | | |
| n-Butylbenzene | 24.6 | 1.0 | ug/l | 25.0 | ND | 98 | 65-135 | | | |
| sec-Butylbenzene | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 65-125 | | | |
| tert-Butylbenzene | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 65-130 | | | |
| Carbon tetrachloride | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 65-140 | | | |
| Chlorobenzene | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| Chloroethane | 24.2 | 1.0 | ug/l | 25.0 | ND | 97 | 50-140 | | | |
| Chloroform | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 65-135 | | | |
| Chloromethane | 18.3 | 1.0 | ug/l | 25.0 | ND | 73 | 35-140 | | | |
| 2-Chlorotoluene | 23.0 | 1.0 | ug/l | 25.0 | ND | 92 | 65-135 | | | |
| 4-Chlorotoluene | 23.6 | 1.0 | ug/l | 25.0 | ND | 94 | 65-135 | | | |
| Dibromochloromethane | 25.6 | 1.0 | ug/l | 25.0 | ND | 102 | 60-140 | | | |
| 1,2-Dibromo-3-chloropropane | 22.6 | 5.0 | ug/l | 25.0 | ND | 90 | 40-150 | | | |
| 1,2-Dibromoethane (EDB) | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 65-130 | | | |
| Dibromomethane | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 60-135 | | | |
| 1,2-Dichlorobenzene | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| 1,3-Dichlorobenzene | 23.3 | 1.0 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| 1,4-Dichlorobenzene | 27.8 | 1.0 | ug/l | 25.0 | ND | 111 | 70-125 | | | |
| Dichlorodifluoromethane | 20.8 | 5.0 | ug/l | 25.0 | ND | 83 | 15-155 | | | |
| 1,1-Dichloroethane | 23.0 | 1.0 | ug/l | 25.0 | ND | 92 | 60-130 | | | |
| 1,2-Dichloroethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 60-140 | | | |
| 1,1-Dichloroethene | 21.2 | 1.0 | ug/l | 25.0 | ND | 85 | 60-135 | | | |
| cis-1,2-Dichloroethene | 24.6 | 1.0 | ug/l | 25.0 | ND | 98 | 60-130 | | | |
| trans-1,2-Dichloroethene | 24.9 | 1.0 | ug/l | 25.0 | ND | 100 | 60-135 | | | |
| 1,2-Dichloropropane | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 60-125 | | | |
| 1,3-Dichloropropane | 23.2 | 1.0 | ug/l | 25.0 | ND | 93 | 60-135 | | | |
| 2,2-Dichloropropane | 25.5 | 1.0 | ug/l | 25.0 | ND | 102 | 60-145 | | | |
| 1,1-Dichloropropene | 23.5 | 1.0 | ug/l | 25.0 | ND | 94 | 65-135 | | | |
| cis-1,3-Dichloropropene | 26.5 | 0.50 | ug/l | 25.0 | ND | 106 | 65-135 | | | |
| trans-1,3-Dichloropropene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 65-140 | | | |

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Environ-Irvine
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Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## METHOD BLANK/QC DATA

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: 5I19017 Extracted: 09/19/05** | | | | | | | | | | |
| **Matrix Spike Analyzed: 09/19/2005 (5I19017-MS1)** | | | | | **Source: IOI1274-01** | | | | | |
| Ethylbenzene | 24.1 | 1.0 | ug/l | 25.0 | ND | 96 | 65-130 | | | |
| Hexachlorobutadiene | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 60-135 | | | |
| Isopropylbenzene | 23.7 | 1.0 | ug/l | 25.0 | ND | 95 | 65-130 | | | |
| p-Isopropyltoluene | 23.6 | 1.0 | ug/l | 25.0 | ND | 94 | 65-125 | | | |
| Methylene chloride | 28.2 | 5.0 | ug/l | 25.0 | ND | 113 | 55-130 | | | |
| Naphthalene | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 45-145 | | | |
| n-Propylbenzene | 23.2 | 1.0 | ug/l | 25.0 | ND | 93 | 65-130 | | | |
| Styrene | 25.4 | 1.0 | ug/l | 25.0 | ND | 102 | 45-145 | | | |
| 1,1,1,2-Tetrachloroethane | 26.6 | 1.0 | ug/l | 25.0 | ND | 106 | 65-140 | | | |
| 1,1,2,2-Tetrachloroethane | 22.2 | 1.0 | ug/l | 25.0 | ND | 89 | 55-140 | | | |
| Tetrachloroethene | 23.8 | 1.0 | ug/l | 25.0 | ND | 95 | 60-130 | | | |
| Toluene | 23.6 | 1.0 | ug/l | 25.0 | ND | 94 | 65-125 | | | |
| 1,2,3-Trichlorobenzene | 26.2 | 1.0 | ug/l | 25.0 | ND | 105 | 55-135 | | | |
| 1,2,4-Trichlorobenzene | 27.0 | 1.0 | ug/l | 25.0 | ND | 108 | 60-135 | | | |
| 1,1,1-Trichloroethane | 24.6 | 1.0 | ug/l | 25.0 | ND | 98 | 65-140 | | | |
| 1,1,2-Trichloroethane | 24.1 | 1.0 | ug/l | 25.0 | ND | 96 | 60-130 | | | |
| Trichloroethene | 23.6 | 1.0 | ug/l | 25.0 | ND | 94 | 60-125 | | | |
| Trichlorofluoromethane | 25.0 | 1.0 | ug/l | 25.0 | ND | 100 | 55-145 | | | |
| 1,2,3-Trichloropropane | 21.4 | 1.0 | ug/l | 25.0 | ND | 86 | 50-135 | | | |
| 1,2,4-Trimethylbenzene | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 55-130 | | | |
| 1,3,5-Trimethylbenzene | 24.2 | 1.0 | ug/l | 25.0 | ND | 97 | 65-130 | | | |
| Vinyl chloride | 20.8 | 0.40 | ug/l | 25.0 | ND | 83 | 40-135 | | | |
| o-Xylene | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 60-125 | | | |
| m,p-Xylenes | 48.2 | 1.0 | ug/l | 50.0 | ND | 96 | 60-130 | | | |
| *Surrogate: Dibromofluoromethane* | *25.8* | | *ug/l* | *25.0* | | *103* | *80-120* | | | |
| *Surrogate: Toluene-d8* | *25.9* | | *ug/l* | *25.0* | | *104* | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *25.2* | | *ug/l* | *25.0* | | *101* | *80-120* | | | |

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Patty Mata
Project Manager

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Attention: Rebekah Wale

Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## METHOD BLANK/QC DATA

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: 5I19017 Extracted: 09/19/05** | | | | | | | | | | |
| **Matrix Spike Dup Analyzed: 09/19/2005 (5I19017-MSD1)** | | | | | **Source: IOI1274-01** | | | | | |
| Benzene | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 60-125 | 3 | 20 | |
| Bromobenzene | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 65-125 | 3 | 20 | |
| Bromochloromethane | 23.8 | 1.0 | ug/l | 25.0 | ND | 95 | 60-135 | 5 | 25 | |
| Bromodichloromethane | 24.4 | 1.0 | ug/l | 25.0 | ND | 98 | 65-135 | 2 | 20 | |
| Bromoform | 25.0 | 1.0 | ug/l | 25.0 | ND | 100 | 50-135 | 2 | 25 | |
| Bromomethane | 21.8 | 1.0 | ug/l | 25.0 | ND | 87 | 50-145 | 6 | 25 | |
| n-Butylbenzene | 24.6 | 1.0 | ug/l | 25.0 | ND | 98 | 65-135 | 0 | 20 | |
| sec-Butylbenzene | 22.5 | 1.0 | ug/l | 25.0 | ND | 90 | 65-125 | 3 | 20 | |
| tert-Butylbenzene | 22.4 | 1.0 | ug/l | 25.0 | ND | 90 | 65-130 | 4 | 20 | |
| Carbon tetrachloride | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 65-140 | 1 | 25 | |
| Chlorobenzene | 22.8 | 1.0 | ug/l | 25.0 | ND | 91 | 70-125 | 3 | 20 | |
| Chloroethane | 22.8 | 1.0 | ug/l | 25.0 | ND | 91 | 50-140 | 6 | 25 | |
| Chloroform | 22.4 | 1.0 | ug/l | 25.0 | ND | 90 | 65-135 | 4 | 20 | |
| Chloromethane | 17.2 | 1.0 | ug/l | 25.0 | ND | 69 | 35-140 | 6 | 25 | |
| 2-Chlorotoluene | 22.1 | 1.0 | ug/l | 25.0 | ND | 88 | 65-135 | 4 | 20 | |
| 4-Chlorotoluene | 22.7 | 1.0 | ug/l | 25.0 | ND | 91 | 65-135 | 4 | 20 | |
| Dibromochloromethane | 25.0 | 1.0 | ug/l | 25.0 | ND | 100 | 60-140 | 2 | 25 | |
| 1,2-Dibromo-3-chloropropane | 22.0 | 5.0 | ug/l | 25.0 | ND | 88 | 40-150 | 3 | 30 | |
| 1,2-Dibromoethane (EDB) | 22.9 | 1.0 | ug/l | 25.0 | ND | 92 | 65-130 | 2 | 25 | |
| Dibromomethane | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 60-135 | 2 | 25 | |
| 1,2-Dichlorobenzene | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 70-125 | 1 | 20 | |
| 1,3-Dichlorobenzene | 23.0 | 1.0 | ug/l | 25.0 | ND | 92 | 70-125 | 1 | 20 | |
| 1,4-Dichlorobenzene | 27.4 | 1.0 | ug/l | 25.0 | ND | 110 | 70-125 | 1 | 20 | |
| Dichlorodifluoromethane | 19.9 | 5.0 | ug/l | 25.0 | ND | 80 | 15-155 | 4 | 30 | |
| 1,1-Dichloroethane | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 60-130 | 4 | 20 | |
| 1,2-Dichloroethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 60-140 | 3 | 20 | |
| 1,1-Dichloroethene | 23.3 | 1.0 | ug/l | 25.0 | ND | 93 | 60-135 | 9 | 20 | |
| cis-1,2-Dichloroethene | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 60-130 | 5 | 20 | |
| trans-1,2-Dichloroethene | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 60-135 | 4 | 20 | |
| 1,2-Dichloropropane | 23.2 | 1.0 | ug/l | 25.0 | ND | 93 | 60-125 | 3 | 20 | |
| 1,3-Dichloropropane | 22.6 | 1.0 | ug/l | 25.0 | ND | 90 | 60-135 | 3 | 25 | |
| 2,2-Dichloropropane | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 60-145 | 6 | 25 | |
| 1,1-Dichloropropene | 23.0 | 1.0 | ug/l | 25.0 | ND | 92 | 65-135 | 2 | 20 | |
| cis-1,3-Dichloropropene | 25.7 | 0.50 | ug/l | 25.0 | ND | 103 | 65-135 | 3 | 20 | |
| trans-1,3-Dichloropropene | 27.0 | 0.50 | ug/l | 25.0 | ND | 108 | 65-140 | 1 | 25 | |

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Patty Mata
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Project ID: Wyle Laboratory Soils / Waters
04-8099P
Report Number: IOI1274

Sampled: 09/17/05
Received: 09/19/05

## METHOD BLANK/QC DATA

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: 5I19017 Extracted: 09/19/05** | | | | | | | | | | |
| **Matrix Spike Dup Analyzed: 09/19/2005 (5I19017-MSD1)** | | | | | **Source: IOI1274-01** | | | | | |
| Ethylbenzene | 23.5 | 1.0 | ug/l | 25.0 | ND | 94 | 65-130 | 3 | 20 | |
| Hexachlorobutadiene | 24.1 | 1.0 | ug/l | 25.0 | ND | 96 | 60-135 | 1 | 20 | |
| Isopropylbenzene | 22.7 | 1.0 | ug/l | 25.0 | ND | 91 | 65-130 | 4 | 20 | |
| p-Isopropyltoluene | 23.0 | 1.0 | ug/l | 25.0 | ND | 92 | 65-125 | 3 | 20 | |
| Methylene chloride | 26.9 | 5.0 | ug/l | 25.0 | ND | 108 | 55-130 | 5 | 20 | |
| Naphthalene | 24.5 | 1.0 | ug/l | 25.0 | ND | 98 | 45-145 | 1 | 30 | |
| n-Propylbenzene | 22.5 | 1.0 | ug/l | 25.0 | ND | 90 | 65-130 | 3 | 20 | |
| Styrene | 24.7 | 1.0 | ug/l | 25.0 | ND | 99 | 45-145 | 3 | 30 | |
| 1,1,1,2-Tetrachloroethane | 25.8 | 1.0 | ug/l | 25.0 | ND | 103 | 65-140 | 3 | 20 | |
| 1,1,2,2-Tetrachloroethane | 21.3 | 1.0 | ug/l | 25.0 | ND | 85 | 55-140 | 4 | 30 | |
| Tetrachloroethene | 23.5 | 1.0 | ug/l | 25.0 | ND | 94 | 60-130 | 1 | 20 | |
| Toluene | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 65-125 | 2 | 20 | |
| 1,2,3-Trichlorobenzene | 26.7 | 1.0 | ug/l | 25.0 | ND | 107 | 55-135 | 2 | 20 | |
| 1,2,4-Trichlorobenzene | 28.0 | 1.0 | ug/l | 25.0 | ND | 112 | 60-135 | 4 | 20 | |
| 1,1,1-Trichloroethane | 23.5 | 1.0 | ug/l | 25.0 | ND | 94 | 65-140 | 5 | 20 | |
| 1,1,2-Trichloroethane | 23.6 | 1.0 | ug/l | 25.0 | ND | 94 | 60-130 | 2 | 25 | |
| Trichloroethene | 23.2 | 1.0 | ug/l | 25.0 | ND | 93 | 60-125 | 2 | 20 | |
| Trichlorofluoromethane | 23.7 | 1.0 | ug/l | 25.0 | ND | 95 | 55-145 | 5 | 25 | |
| 1,2,3-Trichloropropane | 20.7 | 1.0 | ug/l | 25.0 | ND | 83 | 50-135 | 3 | 30 | |
| 1,2,4-Trimethylbenzene | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 55-130 | 3 | 25 | |
| 1,3,5-Trimethylbenzene | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 65-130 | 3 | 20 | |
| Vinyl chloride | 19.5 | 0.40 | ug/l | 25.0 | ND | 78 | 40-135 | 6 | 30 | |
| o-Xylene | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 60-125 | 2 | 20 | |
| m,p-Xylenes | 46.9 | 1.0 | ug/l | 50.0 | ND | 94 | 60-130 | 3 | 25 | |
| *Surrogate: Dibromofluoromethane* | *25.2* | | *ug/l* | *25.0* | | *101* | *80-120* | | | |
| *Surrogate: Toluene-d8* | *25.9* | | *ug/l* | *25.0* | | *104* | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *25.6* | | *ug/l* | *25.0* | | *102* | *80-120* | | | |

**Del Mar Analytical, Irvine**
Patty Mata
Project Manager

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Del Mar Analytical

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1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

| | | |
|---|---|---|
| Environ-Irvine<br>2010 Main Street, 9th Floor<br>Irvine, CA 92614<br>Attention: Rebekah Wale | Project ID: Wyle Laboratory Soils / Waters<br>04-8099P<br>Report Number: IOI1274 | Sampled: 09/17/05<br>Received: 09/19/05 |

## DATA QUALIFIERS AND DEFINITIONS

**ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

**RPD** Relative Percent Difference

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| | | |
|---|---|---|
| Environ-Irvine | Project ID: Wyle Laboratory Soils / Waters | |
| 2010 Main Street, 9th Floor | 04-8099P | Sampled: 09/17/05 |
| Irvine, CA 92614 | Report Number: IOI1274 | Received: 09/19/05 |
| Attention: Rebekah Wale | | |

## Certification Summary

**Del Mar Analytical, Irvine**

| Method | Matrix | Nelac | California |
|---|---|---|---|
| EDD | Water | | |
| EPA 8260B | Water | X | X |

*Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.*

**Del Mar Analytical, Irvine**
Patty Mata
Project Manager

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# ENVIRON

☐ 2010 Main St., Suite 900, Irvine, Calif. 92614, (949) 261-5151, (949) 261-6202 (fax)
☐ 707 Wilshire Blvd., Suite 4950, Los Angeles, Calif. 90017, (213) 943-6300, (213) 943-6301 (fax)

# CHAIN-of-CUSTODY № 03348

PAGE 1 of 1

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: WYLE

FIELD PERSON: Kim Luu

PROJECT NUMBER: 04-8099P DATE: 9-17-05

PROJECT MANAGER: [redacted] Rebekah Wa

PROJECT LOCATION: NORCO

LABORATORY: Del Mar

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #: _____

SAMPLER: Kim Luu

SIGNATURE: Kim Luu

| SAMPLE I.D. NUMBER | SAMPLE DATE (YEAR) | SAMPLE TIME | SAMPLE DEPTH | AIR SAMPLE VOLUME (L) | MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER | NUMBER OF CONTAINERS | FILTERED/UNFILTERED (F/U) | PRESERVATION (SEE KEY) | ANALYSIS REQUIRED 8260 - VOCs | | | | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASG-HS-26 | 9/17 | 1340 | / | / | W | 3 | / | H | X | | | | | | | | | | 301274 Full list VOCs, no oxygenates. |
| ASG-HS-31 | ↓ | 1420 | ↓ | ↓ | ↓ | 3 | ↓ | ↓ | ↓ | | | | | | | | | | |
| TB-09-17-05 | | 0800 | | | | 4 | | | | | | | | | | | | | |
| ASG-HS-29 | | 1430 | | | | 3 | | | | | | | | | | | | | |
| ASG-HS-27 | | 0825 | | | | 3 | | | | | | | | | | | | | |
| ASG-HS-30D | | 1455 | | | | 3 | | | | | | | | | | | | | |
| ASG-HS-30 | | 1450 | | | | 3 | | | | | | | | | | | | | |
| ASG-HS-28 | ↓ | 0910 | ↓ | ↓ | ↓ | 3 | ↓ | ↓ | ↓ | | | | | | | | | | |
| TOTAL | X | X | X | | | | | | | | | | | | | | | | 6R |

| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: | TIME/DATE: |
|---|---|---|---|
| Kim Luu | 9/19/05 / 908 | (COMPANY): | |
| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: | TIME/DATE: |
| | | (COMPANY): | |
| RELINQUISHED BY: | TIME/DATE: | RECEIVED BY: DMA (COMPANY): Fedex Cards | TIME/DATE: 9-19-05 9:08 |

TURNAROUND TIME (CIRCLE ONE): SAMEDAY, 24 HOURS, 48 HOURS, 72 HOURS, 5 DAYS, NORMAL

SAMPLE INTEGRITY — INTACT: (Y) N Temp 5°C

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = $HNO_3$; S = $H_2SO_4$; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody