E²S

ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY

3008 ANDERSON DRIVE, SUITE 102

RALEIGH, NC 27609

(919) 781-7798

December 2, 2010

Ms. Sonya Gilliland
Solid Waste Coordinator
P.O. Box 1540
Pittsboro, NC 27312

RE: Monitoring Well Test Results
November 22-23, 2010 Sampling Event
Chatham County MSW Landfill
Permit No. 19-01

Dear Ms. Gilliland:

Submitted are the test results for the water sampled from the five (5) monitoring wells of the Chatham County MSW Landfill and the two (2) surface water samples collected upstream and downstream of the Chatham County MSW Landfill. The test results for each well and surface water sample are summarized in Table 1 in Attachment A. Attachment B contains the test results as submitted by Summit Environmental Technologies, Inc.

Prior to sampling each monitoring well, the water level depth was determined in reference to the top of the well casing. Teflon disposable bailers attached to nylon rope were used to purge the wells of at least three times the volume of static well water. Surface water sampling was performed by dipping the containers into the stream.

The collected samples were placed on ice for transportation to the laboratory. Temperature, pH, conductivity, and Total Suspended Solids were determined in the field with the Hanna water test instrument prior to sample collection.

Analytical test results indicated Barium, Benzene, Chlorobenzene, and Chromium above detection limits. Barium, Benzene and Chromium are above the 2L Standards. Results are provided in Table 1 of this document.

We appreciate serving Chatham County on the well and surface water sampling and testing. Please contact us if you have any questions concerning the test results.

Sincerely,

T. Patrick Shillington, P.E.
President

NORTH CAROLINA PROFESSIONAL SEAL 15472 ENGINEER T. PATRICK SHILLINGTON 12/6/10

Attachment A: Table 1
Attachment B: Analytical Test Results

**ATTACHMENT A:**
**Table 1**

| Facilty Permit | Well ID | CAS Number | SWS ID | PARAMETER | RESULT | UNITS | QUALIFIER | DILUTION FACTOR | COLLECTION DATE | EXTRACTION DATE | ANALYSIS DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19-01 | MW-1N | 7440-39-3 | 15 | Barium | **400** | ug/L | | | 11/23/2010 | | 11/26/2010 |
| 19-01 | MW-1N | | | Well Elevation | 481.73 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-1N | | | Groundwater Depth | 10.82 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-1N | | | Water Level Elevation | 470.91 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-1N | | | Temperature | 16.1 | C | | | 11/23/2010 | | |
| 19-01 | MW-1N | | | pH | 6.2 | | | | 11/23/2010 | | |
| 19-01 | MW-1N | | | Conductivity | 84 | mV | | | 11/23/2010 | | |
| 19-01 | MW-1N | | | Total Suspended Solids | 97 | ppm | | | 11/23/2010 | | |
| 19-01 | MW-2N | 7440-39-3 | 15 | Barium | **620** | ug/L | | | 11/22/2010 | | 11/26/2010 |
| 19-01 | MW-2N | 71-43-2 | 16 | Benzene | **2.2** | ug/L | | | 11/22/2010 | | 11/24/2010 |
| 19-01 | MW-2N | 108-90-7 | 39 | Chlorobenzene | **3.4** | ug/L | | | 11/22/2010 | | 11/24/2010 |
| 19-01 | MW-2N | | | Well Elevation | 465.36 | ft. | | | 11/22/2010 | | |
| 19-01 | MW-2N | | | Groundwater Depth | 13.42 | ft. | | | 11/22/2010 | | |
| 19-01 | MW-2N | | | Water Level Elevation | 451.94 | ft. | | | 11/22/2010 | | |
| 19-01 | MW-2N | | | Temperature | 16.9 | C | | | 11/22/2010 | | |
| 19-01 | MW-2N | | | pH | 5.9 | | | | 11/22/2010 | | |
| 19-01 | MW-2N | | | Conductivity | 132 | mV | | | 11/22/2010 | | |
| 19-01 | MW-2N | | | Total Suspended Solids | 1114 | ppm | | | 11/22/2010 | | |
| 19-01 | MW-3N | 7440-39-3 | 15 | Barium | **730** | ug/L | | | 11/23/2010 | | 11/26/2010 |
| 19-01 | MW-3N | 7440-47-3 | 51 | Chromium | **57** | ug/L | | | 11/23/2010 | | 11/26/2010 |
| 19-01 | MW-3N | | | Well Elevation | 465.85 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-3N | | | Groundwater Depth | 8.83 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-3N | | | Water Level Elevation | 457.02 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-3N | | | Temperature | 16.4 | C | | | 11/23/2010 | | |
| 19-01 | MW-3N | | | pH | 5.8 | | | | 11/23/2010 | | |
| 19-01 | MW-3N | | | Conductivity | 167 | mV | | | 11/23/2010 | | |
| 19-01 | MW-3N | | | Total Suspended Solids | 573 | ppm | | | 11/23/2010 | | |
| 19-01 | MW-4N | | | Well Elevation | 522.84 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-4N | | | Groundwater Depth | 47.6 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-4N | | | Water Level Elevation | 475.24 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-4N | | | Temperature | 16.3 | C | | | 11/23/2010 | | |
| 19-01 | MW-4N | | | pH | 6.3 | | | | 11/23/2010 | | |
| 19-01 | MW-4N | | | Conductivity | 884 | mV | | | 11/23/2010 | | |
| 19-01 | MW-4N | | | Total Suspended Solids | 48 | ppm | | | 11/23/2010 | | |
| 19-01 | MW-5N | | | Well Elevation | 515.58 | ft. | | | 11/23/2010 | | |

| Facilty Permit | Well ID | CAS Number | SWS ID | PARAMETER | RESULT | UNITS | QUALIFIER | DILUTION FACTOR | COLLECTION DATE | EXTRACTION DATE | ANALYSIS DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19-01 | MW-5N | | | Groundwater Depth | 38.6 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-5N | | | Water Level Elevation | 476.98 | ft. | | | 11/23/2010 | | |
| 19-01 | MW-5N | | | Temperature | 15.9 | C | | | 11/23/2010 | | |
| 19-01 | MW-5N | | | pH | 6.5 | | | | 11/23/2010 | | |
| 19-01 | MW-5N | | | Conductivity | 137 | mV | | | 11/23/2010 | | |
| 19-01 | MW-5N | | | Total Suspended Solids | 182 | ppm | | | 11/23/2010 | | |
| 19-01 | DS | | | Temperature | 17.1 | C | | | 11/23/2010 | | |
| 19-01 | DS | | | pH | 6.3 | | | | 11/23/2010 | | |
| 19-01 | DS | | | Conductivity | 211 | mV | | | 11/23/2010 | | |
| 19-01 | DS | | | Total Suspended Solids | 97 | ppm | | | 11/23/2010 | | |
| 19-01 | US | | | Temperature | 16.8 | C | | | 11/23/2010 | | |
| 19-01 | US | | | pH | 6.3 | | | | 11/23/2010 | | |
| 19-01 | US | | | Conductivity | 196 | mV | | | 11/23/2010 | | |
| 19-01 | US | | | Total Suspended Solids | 229 | ppm | | | 11/23/2010 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Bold values exceed SWSL Standards
Red values exceed 2L Standards

**ATTACHMENT B:**
**Analytical Test Results**

**Summit Environmental Technologies, Inc.**
3310 Win Street
Cuyahoga Falls, Ohio 44223 Tel: 330.253.8211 Fax: 330.253.4489

# Analysis Request/

For Summit Environmental

Page ____

**Order ID:** 1019597 **COC**

| | |
|---|---|
| Company Name (Please Print): E2S | Project Name: Chatham Co Landfill |
| Company Address: 3008 Anderson Dr Raleigh, NC 27609 | Project Address: |
| Client Phone No.: 919-781-7798 | Report to: |
| Client Fax No. **Please Fax Results ✓** ☐ | PO#: |
| Client Email **Please Email Results ✓** ☐ | Quote No.: |
| Contact Person: Pat Shillington | |
| Sampled by: Logan Shillington | **Check if Ohio VAP samples ✓** ☐ |

Please Check Analytical Box ✓

| # | Sample Identification | Date Collected | Time Collected | Grab | Composite | Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air, DW=Drinking Water | Preservative | Number of Containers | 8260 Voc | RCRA Metals |
|---|---|---|---|---|---|---|---|---|---|---|
| | MW-1 | 11-23-10 | 10:00 | X | | | | 3 | X | X |
| | MW-2 | 11-22-10 | 12:45 | X | | | | 3 | X | X |
| | MW-3 | 11-23-10 | 10:30 | X | | | | 3 | X | X |
| | MW-4 | 11-23-10 | 11:00 | X | | | | 3 | X | X |
| | MW-5 | 11-23-10 | 11:30 | X | | | | 3 | X | X |
| | US | 11-23-10 | 11:20 | X | | | | 3 | X | X |
| | DS | 11-23-10 | 12:00 | X | | | | 3 | X | X |

1019597-01-07

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Logan Shillington | 11-23-10 | 2:10 | | | |
| | | | | | |
| | | | | | |

| Received in lab by: | Date | Time |
|---|---|---|
| [illegible] | 11/24/10 | 11:20 |

**Rush Requested By:** _____ Date — Must be approved by lab manager

**Notes/Comments:**

White and yellow pages should accompany samples to the laboratory. The client retains the pink page.

A1516

Summit Environmental Technologies, Inc.

## Cooler Receipt Form

**Order ID:** 1019597 **COOLER**

Client: E2S Order Number: 1019597

Date Received: 11-24-10 Time Received: 11:30

Number of Coolers/Boxes: 1 N/A

Shipper: FED EX (UPS) DHL Airborne US Postal Walk-in Pickup Other:

Packaging: Peanuts (Bubble Wrap) Paper Foam None Other:

| | | | |
|---|---|---|---|
| Tape on cooler/box: | (Y) | N | N/A |
| Custody Seals intact | (Y) | N | N/A |
| C-O-C in plastic | (Y) | N | N/A |
| Ice X Blue ice | (present) / absent / melted | | N/A |
| Sample Temperature | 21.0 °C | | N/A |
| C-O-C filled out properly | (Y) | N | N/A |
| Samples in separate bags | (Y) | N | N/A |
| Sample containers intact* | (Y) | N | N/A |

*If no, list broken sample(s):

| | | | |
|---|---|---|---|
| Sample label(s) complete (ID, date, etc.) | (Y) | N | N/A |
| Label(s) agree with C-O-C | (Y) | N | N/A |
| Correct containers used | (Y) | N | N/A |
| Sufficient sample received | (Y) | N | N/A |
| Bubbles absent from 40 mL vials** | (Y) | N | N/A |

** Samples with bubbles less than the size of a pea are acceptable.

| | | |
|---|---|---|
| Was client contacted about samples | Y | (N) |
| Will client send new samples | Y | (N) |

Client contact:

Date/Time:

Logged in by: JM

Comments:

Rev. 6a

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

# LABORATORY REPORT

**Client**
Engineering, Environmental & Science (E2S)
3008 Anderson Dr.
Raleigh, NC 27609

**Order Number**
1019597

**Project Number**
Chatham Co. Landfill

**Issued**
Wednesday, December 01, 2010

**Total Number of Pages**
18 (excluding C.O.C. and cooler receipt form)

Approved By : RS Gibas
QA Manager

NELAC Accreditation #E87688

## Sample Summary

Client: Engineering, Environmental & Science (E2S)
Order Number: 1019597

| Laboratory ID | Client ID | Matrix | Sampling Date |
|---|---|---|---|
| 1019597-01 | MW-1 | Liquid | 11/23/2010 |
| 1019597-02 | MW-2 | Liquid | 11/22/2010 |
| 1019597-03 | MW-3 | Liquid | 11/23/2010 |
| 1019597-04 | MW-4 | Liquid | 11/23/2010 |
| 1019597-05 | MW-5 | Liquid | 11/23/2010 |
| 1019597-06 | US | Liquid | 11/23/2010 |
| 1019597-07 | DS | Liquid | 11/23/2010 |

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*



## Report Narrative

Client: Engineering, Environmental & Science (E2S)
Order Number: 1019597

No problems were encountered during analysis of this order number, except as noted.

Data Qualifiers:
B = Analyte found in the method blank
J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)
C = Analyte has been confirmed by another instrument or method
E = Analyte exceeds the upper limit of the calibration curve.
D = Sample or extract was analyzed at a higher dilution
X = User defined data qualifier.
S = Surrogate out of control limits
U = Undetected
a = Not Accredited by NELAC

ND = Non Detected at LOQ
DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor)
Limit Of Detection (LOD) = Laboratory Detection Limit

Matrices:
A = Air
C = Cream
DW = Drinking Water
L = Liquid
O = Oil
SL = Sludge
SO = Soil
S = Solid
T = Tablet
TC = TCLP Extract
WW = Waste Water
W = Wipe

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 1019597-01 | 23-Nov-10 | Arsenic | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |
| MW-1 | 1019597-01 | 23-Nov-10 | Barium | 0.4 | mg/l | L | 6010 | 1 | 0.1 | 26-Nov-10 | VVK |
| MW-1 | 1019597-01 | 23-Nov-10 | Cadmium | ND | mg/l | L | 6010 | 1 | 0.005 | 26-Nov-10 | VVK |
| MW-1 | 1019597-01 | 23-Nov-10 | Chromium | ND | mg/l | L | 6010 | 1 | 0.05 | 26-Nov-10 | VVK |
| MW-1 | 1019597-01 | 23-Nov-10 | Lead | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |
| MW-1 | 1019597-01 | 23-Nov-10 | Mercury | ND | mg/l | L | 7470 | 1 | 0.0002 | 29-Nov-10 | ALJ |
| MW-1 | 1019597-01 | 23-Nov-10 | Selenium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |
| MW-1 | 1019597-01 | 23-Nov-10 | Silver | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 1019597-01 | 23-Nov-10 | Acetone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Acrylonitrile | ND | ug/L | L | 8260 | 1 | 100 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Benzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Bromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Bromoform | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Bromomethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | MEK (2-Butanone) | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Carbon Disulfide | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Carbon Tetrachloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Chlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Chloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Chloroform | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Chloromethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,2-Dibromo-3-chloropropan | ND | ug/l | L | 8260 | 1 | 10 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Dibromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,2-Dibromoethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Dibromomethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,4-Dichloro-2-butane | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,2- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,4- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,1-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,2-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,1-Dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Cis-1,2-dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Trans-1,2-dichloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,2-Dichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Cis-1,3-dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | trans-1, 3-Dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Ethylbenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 2-Hexanone | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Iodomethane | ND | ug/L | L | 8260 | 1 | 5 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 4-Methyl-2-pentanone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Methylene Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Styrene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,1,1,2-Tetrachloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,1,2,2-Tetrachloroethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Tetrachloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Toluene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,1,1-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | 1,1,2-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Trichlorethylene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 1019597-01 | 23-Nov-10 | 1,2,3-Trichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Vinyl Acetate | ND | ug/L | L | 8260 | 1 | 20 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Vinyl Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Xylene | ND | ug/l | L | 8260 | 1 | 4 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Bromodichloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-1 | 1019597-01 | 23-Nov-10 | Trichlorofluoromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | Arsenic | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | Barium | 0.62 | mg/l | L | 6010 | 1 | 0.1 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | Cadmium | ND | mg/l | L | 6010 | 1 | 0.005 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | Chromium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | Lead | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | Mercury | ND | mg/l | L | 7470 | 1 | 0.0002 | 29-Nov-10 | ALJ |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | Selenium | ND | mg/l | L | 6010 | 1 | 0.1 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | Silver | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | Acetone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Acrylonitrile | ND | ug/L | L | 8260 | 1 | 100 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Benzene | 2.2 | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Bromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Bromoform | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Bromomethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | MEK (2-Butanone) | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Carbon Disulfide | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Carbon Tetrachloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Chlorobenzene | 3.4 | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Chloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Chloroform | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Chloromethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,2-Dibromo-3-chloropropan | ND | ug/l | L | 8260 | 1 | 10 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Dibromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,2-Dibromoethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Dibromomethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,4-Dichloro-2-butane | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,2- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,4- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,1-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,2-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,1-Dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Cis-1,2-dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Trans-1,2-dichloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,2-Dichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Cis-1,3-dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | trans-1, 3-Dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Ethylbenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 2-Hexanone | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Iodomethane | ND | ug/L | L | 8260 | 1 | 5 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 4-Methyl-2-pentanone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Methylene Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Styrene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,1,1,2-Tetrachloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,1,2,2-Tetrachloroethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Tetrachloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Toluene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,1,1-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | 1,1,2-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Trichlorethylene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 1019597-02 | 22-Nov-10 | 1,2,3-Trichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Vinyl Acetate | ND | ug/L | L | 8260 | 1 | 20 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Vinyl Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Xylene | ND | ug/l | L | 8260 | 1 | 4 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Bromodichloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-2 | 1019597-02 | 22-Nov-10 | Trichlorofluoromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | Arsenic | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | Barium | 0.73 | mg/l | L | 6010 | 1 | 0.1 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | Cadmium | ND | mg/l | L | 6010 | 1 | 0.005 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | Chromium | 0.057 | mg/l | L | 6010 | 1 | 0.05 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | Lead | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | Mercury | ND | mg/l | L | 7470 | 1 | 0.0002 | 29-Nov-10 | ALJ |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | Selenium | ND | mg/l | L | 6010 | 1 | 0.1 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | Silver | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | Acetone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Acrylonitrile | ND | ug/L | L | 8260 | 1 | 100 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Benzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Bromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Bromoform | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Bromomethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | MEK (2-Butanone) | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Carbon Disulfide | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Carbon Tetrachloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Chlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Chloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Chloroform | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Chloromethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,2-Dibromo-3-chloropropan | ND | ug/l | L | 8260 | 1 | 10 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Dibromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,2-Dibromoethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Dibromomethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,4-Dichloro-2-butane | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,2- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,4- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,1-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,2-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,1-Dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Cis-1,2-dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Trans-1,2-dichloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,2-Dichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Cis-1,3-dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | trans-1, 3-Dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Ethylbenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 2-Hexanone | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Iodomethane | ND | ug/L | L | 8260 | 1 | 5 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 4-Methyl-2-pentanone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Methylene Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Styrene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,1,1,2-Tetrachloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,1,2,2-Tetrachloroethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Tetrachloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Toluene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,1,1-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | 1,1,2-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Trichlorethylene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.seltek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 1019597-03 | 23-Nov-10 | 1,2,3-Trichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Vinyl Acetate | ND | ug/L | L | 8260 | 1 | 20 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Vinyl Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Xylene | ND | ug/l | L | 8260 | 1 | 4 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Bromodichloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-3 | 1019597-03 | 23-Nov-10 | Trichlorofluoromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | Arsenic | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | Barium | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | Cadmium | ND | mg/l | L | 6010 | 1 | 0.005 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | Chromium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | Lead | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | Mercury | ND | mg/l | L | 7470 | 1 | 0.0002 | 29-Nov-10 | ALJ |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | Selenium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | Silver | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | Acetone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Acrylonitrile | ND | ug/L | L | 8260 | 1 | 100 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Benzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Bromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Bromoform | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Bromomethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | MEK (2-Butanone) | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Carbon Disulfide | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Carbon Tetrachloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Chlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Chloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Chloroform | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Chloromethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,2-Dibromo-3-chloropropan | ND | ug/l | L | 8260 | 1 | 10 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Dibromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,2-Dibromoethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Dibromomethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,4-Dichloro-2-butane | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,2- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,4- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,1-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,2-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,1-Dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Cis-1,2-dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Trans-1,2-dichloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,2-Dichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Cis-1,3-dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | trans-1, 3-Dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Ethylbenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 2-Hexanone | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Iodomethane | ND | ug/L | L | 8260 | 1 | 5 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 4-Methyl-2-pentanone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Methylene Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Styrene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,1,1,2-Tetrachloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,1,2,2-Tetrachloroethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Tetrachloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Toluene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,1,1-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | 1,1,2-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Trichlorethylene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 1019597-04 | 23-Nov-10 | 1,2,3-Trichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Vinyl Acetate | ND | ug/L | L | 8260 | 1 | 20 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Vinyl Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Xylene | ND | ug/l | L | 8260 | 1 | 4 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Bromodichloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-4 | 1019597-04 | 23-Nov-10 | Trichlorofluoromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | Arsenic | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | Barium | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | Cadmium | ND | mg/l | L | 6010 | 1 | 0.005 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | Chromium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | Lead | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | Mercury | ND | mg/l | L | 7470 | 1 | 0.0002 | 29-Nov-10 | ALJ |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | Selenium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | Silver | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | Acetone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Acrylonitrile | ND | ug/L | L | 8260 | 1 | 100 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Benzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Bromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Bromoform | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Bromomethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | MEK (2-Butanone) | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Carbon Disulfide | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Carbon Tetrachloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Chlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Chloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Chloroform | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Chloromethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,2-Dibromo-3-chloropropan | ND | ug/l | L | 8260 | 1 | 10 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Dibromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,2-Dibromoethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Dibromomethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,4-Dichloro-2-butane | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,2- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,4- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,1-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,2-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,1-Dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Cis-1,2-dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Trans-1,2-dichloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,2-Dichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Cis-1,3-dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | trans-1, 3-Dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Ethylbenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 2-Hexanone | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Iodomethane | ND | ug/L | L | 8260 | 1 | 5 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 4-Methyl-2-pentanone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Methylene Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Styrene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,1,1,2-Tetrachloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,1,2,2-Tetrachloroethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Tetrachloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Toluene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,1,1-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | 1,1,2-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Trichlorethylene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 1019597-05 | 23-Nov-10 | 1,2,3-Trichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Vinyl Acetate | ND | ug/L | L | 8260 | 1 | 20 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Vinyl Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Xylene | ND | ug/l | L | 8260 | 1 | 4 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Bromodichloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| MW-5 | 1019597-05 | 23-Nov-10 | Trichlorofluoromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | Arsenic | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | Barium | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | Cadmium | ND | mg/l | L | 6010 | 1 | 0.005 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | Chromium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | Lead | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | Mercury | ND | mg/l | L | 7470 | 1 | 0.0002 | 29-Nov-10 | ALJ |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | Selenium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | Silver | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |



"Analytical Integrity" · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
Web Site: www.settek.com

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | Acetone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Acrylonitrile | ND | ug/L | L | 8260 | 1 | 100 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Benzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Bromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Bromoform | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Bromomethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | MEK (2-Butanone) | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Carbon Disulfide | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Carbon Tetrachloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Chlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Chloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Chloroform | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Chloromethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,2-Dibromo-3-chloropropan | ND | ug/l | L | 8260 | 1 | 10 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Dibromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,2-Dibromoethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Dibromomethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,4-Dichloro-2-butane | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,2- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,4- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,1-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,2-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,1-Dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Cis-1,2-dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Trans-1,2-dichloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,2-Dichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Cis-1,3-dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | trans-1, 3-Dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Ethylbenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 2-Hexanone | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Iodomethane | ND | ug/L | L | 8260 | 1 | 5 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 4-Methyl-2-pentanone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Methylene Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Styrene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,1,1,2-Tetrachloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,1,2,2-Tetrachloroethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Tetrachloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Toluene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,1,1-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | 1,1,2-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Trichlorethylene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 1019597-06 | 23-Nov-10 | 1,2,3-Trichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Vinyl Acetate | ND | ug/L | L | 8260 | 1 | 20 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Vinyl Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Xylene | ND | ug/l | L | 8260 | 1 | 4 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Bromodichloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| US | 1019597-06 | 23-Nov-10 | Trichlorofluoromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | Arsenic | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | Barium | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | Cadmium | ND | mg/l | L | 6010 | 1 | 0.005 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | Chromium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | Lead | ND | mg/l | L | 6010 | 1 | 0.04 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | Mercury | ND | mg/l | L | 7470 | 1 | 0.0002 | 29-Nov-10 | ALJ |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | Selenium | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | Silver | ND | mg/l | L | 6010 | 1 | 0.02 | 26-Nov-10 | VVK |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | Acetone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Acrylonitrile | ND | ug/L | L | 8260 | 1 | 100 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Benzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Bromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Bromoform | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Bromomethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | MEK (2-Butanone) | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Carbon Disulfide | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Carbon Tetrachloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Chlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Chloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Chloroform | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Chloromethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,2-Dibromo-3-chloropropan | ND | ug/l | L | 8260 | 1 | 10 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Dibromochloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,2-Dibromoethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Dibromomethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,4-Dichloro-2-butane | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,2- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,4- Dichlorobenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,1-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,2-Dichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,1-Dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Cis-1,2-dichloroethene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Trans-1,2-dichloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,2-Dichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Cis-1,3-dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | trans-1, 3-Dichloropropene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Ethylbenzene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 2-Hexanone | ND | ug/l | L | 8260 | 1 | 25 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Iodomethane | ND | ug/L | L | 8260 | 1 | 5 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 4-Methyl-2-pentanone | ND | ug/L | L | 8260 | 1 | 50 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Methylene Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Styrene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,1,1,2-Tetrachloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,1,2,2-Tetrachloroethane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Tetrachloroethene | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Toluene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,1,1-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | 1,1,2-Trichloroethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Trichlorethylene | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |



"Analytical Integrity" · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
Web Site: www.settek.com

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
*Analytical Laboratories*

December 01, 2010

Client: Engineering, Environmental & Science
Address: 3008 Anderson Dr.
Raleigh, NC 27609

Received: 11/24/2010
Project #: Chatham Co. Landfill

**VOC(E2S)8260**

| Client ID# | Lab ID# | Collected | Analyte | Result | Units | Matrix | Method | DF | LOQ | Run | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | 1019597-07 | 23-Nov-10 | 1,2,3-Trichloropropane | ND | ug/L | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Vinyl Acetate | ND | ug/L | L | 8260 | 1 | 20 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Vinyl Chloride | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Xylene | ND | ug/l | L | 8260 | 1 | 4 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Bromodichloromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |
| DS | 1019597-07 | 23-Nov-10 | Trichlorofluoromethane | ND | ug/l | L | 8260 | 1 | 2 | 24-Nov-10 | MS |



*"Analytical Integrity"* · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 · Fax: 330-253-4489
*Web Site: www.settek.com*