

The electronic version of this file/report should have the file name:

Type of document.Spill Number.Year-Month.File Year-Year or Report name.pdf

letter._____._____._____.File spillfile_____.pdf

report.hw915056_____.2002-11-13.OCTOBER 2002_____.pdf
PROCESS REPORT

Project Site numbers will be proceeded by the following:

Municipal Brownfields - b

Superfund - hw

Spills - sp

ERP - e

VCP - v

BCP - c

non-releasable - put .nf.pdf

Example: letter.sp9875693.1998-01.Filespillfile.nf.pdf

RECEIVED

NOV 13 2002

NYSDOL - REG. 9
FOIL
REL UNREL

Attachment A

For October 2002
Progress Report

BBL[®]
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

October 30, 2002



Mr. Doug Ruszczyk
Blasland Bouck & Lee
1400 Sweet Home Road Suite 1
Amherst, NY 14228

Re: Envirotek II Project #580.02.080
Submission #R2213745
SDG # SB-36 (0-2')

Dear Mr. Ruszczyk:

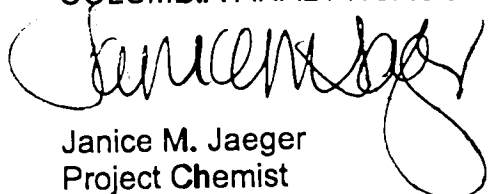
Enclosed is an analytical data report for the above referenced facility. A total of nineteen samples were received by our laboratory on September 18, 2002.

Any problems encountered with this project are addressed in a case narrative section which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your continued use of our services.

Sincerely,
COLUMBIA ANALYTICAL SERVICES



Janice M. Jaeger
Project Chemist

enc.



1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT 580.02.080
Lab Submission # : R2213745
Project Manager : Janice Jaeger
Reported : 10/30/02

Report Contains a total of 128 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

001

563

CASE NARRATIVE

COMPANY: Blasland Bouck & Lee
Envirotek II Project #580.02.080
SUBMISSION #: R2213745

BBL soil and water samples were collected on 9/16-17/02 and received at CAS on 9/17-18/02 in good condition at cooler temperatures of 1-5 C.

VOLATILE ORGANICS

Seventeen soil samples and two water samples were analyzed for Volatiles by Method 95-1 from NYSASP.

All Tuning criteria for BFB were within limits.

The initial and continuing calibration criteria were met for all analytes except the minimum and average response factor for 1,1,2,2-Tetrachloroethane did not meet the minimum and average response criteria of 0.300 for the CCV 's on MS#6. No data was affected.

All internal standard areas were within limits except IS3 for SB-32 (0-2). The sample was repeated at a dilution and the internal standard was within limits.

All surrogate standard recoveries were within limits except SMC3 for VBLK4, VBLK4MS, Cooler Blank, Trip Blank and Rinse BlankDL. Due to a laboratory error, the samples were not repeated.

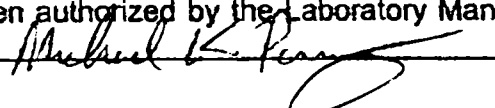
Various compounds for Rinse Blank, SB-38 (0-2), SB-38 (2-4), SB-33 (0-2) and SB-32 (10-12) have been flagged with an "E" as being outside the calibration range of the instrument. The samples were repeated at dilutions and both sets of data have been reported out.

All samples were analyzed within required holding times.

Site specific QC was performed on SB-39 (2-4), SB-32 (16-18) and SB-37 (0-2). All MS/MSD recoveries were within limits. All Blank Spike recoveries were within limits. All RPD's were within limits.

The Laboratory Blanks associated with these samples was free of contamination except VBLK4 contained low level hits for Acetone and Methylene Chloride. All affected data has been flagged with a "B".

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in the hard copy package has been authorized by the Laboratory Manager or his designee, as verified by the following signature: 

DATE REVISED:
DATE DUE: 10/17/02
PROTOCOL: ASP-B
SHIPPING No.:
SUMMARY PKG: Y X N

FOIA b 7 C

9/19/02



Effective 6/18/2002

ORGANIC QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- X - As specified in Case Narrative.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited

NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Rhode Island ID # 158
South Carolina ID # 91012
West Virginia ID # 292



Effective 6/28/2002

INORGANIC QUALIFIERS

C (Concentration) qualifier -

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- E - The reported value is estimated because of the presence of interference.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited

NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Rhode Island ID # 158
South Carolina ID # 91012
West Virginia ID # 292

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

36(0-2')

Lab Name: CASI/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584508 1.0

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3550.D

Level: (low/med) LOW Date Received: 09/17/02

% Moisture: not dec. 8.8 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
74-83-9	Bromomethane	11	U
67-64-1	Acetone	34	
75-09-2	Methylene chloride	6	J
75-15-0	Carbon disulfide	2	J
78-93-3	2-Butanone	26	
156-59-2	cis-1,2-Dichloroethene	3	J
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
71-55-6	1,1,1-Trichloroethane	11	U
71-43-2	Benzene	11	U
79-01-6	Trichloroethene	26	
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
124-48-1	Dibromochloromethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	25	
108-88-3	Toluene	13	
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	81	
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	6	J
108-38-3/106-42-3	(m+p)Xylene	26	
100-42-5	Styrene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
95-47-6	o-Xylene	14	
156-60-5	trans-1,2-Dichloroethene	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
78-87-5	1,2-Dichloropropane	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

36(0-2')

Lab Name: CASI/ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 584508 1.0
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3550.D
Level: (low/med) LOW Date Received: 09/17/02
% Moisture: not dec. 8.8 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

36(2-4')

Lab Name: CASI/ROCH

Contract: BBL

Lab Code: 10145

Case No.: R2-13745

SAS No.: _____

SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL

Lab Sample ID: 584509 1.0

Sample wt/vol: 5.0 (g/ml) G

Lab File ID: A3551.D

Level: (low/med) LOW

Date Received: 09/17/02

% Moisture: not dec. 10.7

Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
74-83-9	Bromomethane	11	U
67-64-1	Acetone	20	
75-09-2	Methylene chloride	4	J
75-15-0	Carbon disulfide	11	U
78-93-3	2-Butanone	18	
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
71-55-6	1,1,1-Trichloroethane	11	U
71-43-2	Benzene	11	U
79-01-6	Trichloroethene	9	J
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
124-48-1	Dibromochloromethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	23	
108-88-3	Toluene	4	J
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	25	
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
108-38-3/106-42-3	(m+p)Xylene	11	U
100-42-5	Styrene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
95-47-6	o-Xylene	4	J
156-60-5	trans-1,2-Dichloroethene	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
78-87-5	1,2-Dichloropropane	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

36(2-4')

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 584509 1.0
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3551.D
Level: (low/med) LOW Date Received: 09/17/02
% Moisture: not dec. 10.7 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

37(0-2')

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584510 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9186.D

Level: (low/med) MED Date Received: 09/17/02

% Moisture: not dec. 19.6 Date Analyzed: 09/24/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1600	U	
75-01-4	Vinyl Chloride	1600	U	
74-83-9	Bromomethane	1600	U	
75-00-3	Chloroethane	1600	U	
75-35-4	1,1-Dichloroethene	1600	U	
67-64-1	Acetone	1600	U	
75-15-0	Carbon Disulfide	1600	U	
75-09-2	Methylene Chloride	1600	U	
156-60-5	trans-1,2-Dichloroethene	1600	U	
75-34-3	1,1-Dichloroethane	1600	U	
156-59-2	cis-1,2-Dichloroethene	1500	J	
78-93-3	2-Butanone (MEK)	1600	U	
67-66-3	Chloroform	1600	U	
107-06-2	1,2-Dichloroethane	1600	U	
71-55-6	1,1,1-Trichloroethane	1600	U	
56-23-5	Carbontetrachloride	1600	U	
71-43-2	Benzene	1600	U	
79-01-6	Trichloroethene	1200	J	
78-87-5	1,2-Dichloropropane	1600	U	
75-27-4	Bromodichloromethane	1600	U	
10061-01-5	cis-1,3-Dichloropropene	1600	U	
108-10-1	4-Methyl-2-pentanone	1600	U	
108-88-3	Toluene	1600	U	
10061-02-6	trans-1,3-Dichloropropene	1600	U	
79-00-5	1,1,2-Trichloroethane	1600	U	
75-25-2	Bromoform	1600	U	
127-18-4	Tetrachloroethene	13000		
591-78-6	2-Hexanone	1600	U	
124-48-1	Dibromochloromethane	1600	U	
108-90-7	Chlorobenzene	1600	U	
100-41-4	Ethylbenzene	1600	U	
1330-20-7	(m+p) Xylene	1600	U	
1330-20-7	o-Xylene	1600	U	
100-42-5	Styrene	1600	U	
79-34-5	1,1,2,2-Tetrachloroethane	1600	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

37(0-2')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584510 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9186.D
Level: (low/med) MED Date Received: 09/17/02
% Moisture: not dec. 19.6 Date Analyzed: 09/24/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) WATER Lab Sample ID: 584923 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9236.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. _____ Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
75-01-4	Vinyl Chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-35-4	1,1-Dichloroethene		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-09-2	Methylene Chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
78-93-3	2-Butanone (MEK)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbontetrachloride		10	U
71-43-2	Benzene		10	U
79-01-6	Trichloroethene		10	U
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
108-10-1	4-Methyl-2-pentanone		10	U
108-88-3	Toluene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone		10	U
124-48-1	Dibromochloromethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	(m+p) Xylene		10	U
1330-20-7	o-Xylene		10	U
100-42-5	Styrene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) WATER Lab Sample ID: 584923 1.0
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9236.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. _____ Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSE BLANK

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Matrix: (soil/water) WATER Lab Sample ID: 584924 1.0
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9237.D
 Level: (low/med) LOW Date Received: 09/18/02
 % Moisture: not dec. _____ Date Analyzed: 09/26/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
67-64-1	Acetone	340	E	
75-15-0	Carbon Disulfide	10	U	
75-09-2	Methylene Chloride	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone (MEK)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbontetrachloride	10	U	
71-43-2	Benzene	10	U	
79-01-6	Trichloroethene	10	U	
78-87-5	1,2-Dichloropropane	10	U	
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
108-88-3	Toluene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
75-25-2	Bromoform	10	U	
127-18-4	Tetrachloroethene	10	U	
591-78-6	2-Hexanone	10	U	
124-48-1	Dibromochloromethane	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
1330-20-7	(m+p) Xylene	10	U	
1330-20-7	o-Xylene	10	U	
100-42-5	Styrene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RINSE BLANK

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) WATER Lab Sample ID: 584924 1.0
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9237.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. _____ Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) WATER Lab Sample ID: 584925 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9238.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. _____ Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	7	JB
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone (MEK)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbontetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	(m+p) Xylene	10	U
1330-20-7	o-Xylene	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) WATER Lab Sample ID: 584925 1.0
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9238.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. _____ Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSE BLANKDL

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) WATER Lab Sample ID: 584924 4.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9242.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. _____ Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		40	U
75-01-4	Vinyl Chloride		40	U
74-83-9	Bromomethane		40	U
75-00-3	Chloroethane		40	U
75-35-4	1,1-Dichloroethene		40	U
67-64-1	Acetone		330	D
75-15-0	Carbon Disulfide		40	U
75-09-2	Methylene Chloride		12	J D
156-60-5	trans-1,2-Dichloroethene		40	U
75-34-3	1,1-Dichloroethane		40	U
156-59-2	cis-1,2-Dichloroethene		40	U
78-93-3	2-Butanone (MEK)		40	U
67-66-3	Chloroform		40	U
107-06-2	1,2-Dichloroethane		40	U
71-55-6	1,1,1-Trichloroethane		40	U
56-23-5	Carbontetrachloride		40	U
71-43-2	Benzene		40	U
79-01-6	Trichloroethene		40	U
78-87-5	1,2-Dichloropropane		40	U
75-27-4	Bromodichloromethane		40	U
10061-01-5	cis-1,3-Dichloropropene		40	U
108-10-1	4-Methyl-2-pentanone		40	U
108-88-3	Toluene		40	U
10061-02-6	trans-1,3-Dichloropropene		40	U
79-00-5	1,1,2-Trichloroethane		40	U
75-25-2	Bromoform		40	U
127-18-4	Tetrachloroethene		40	U
591-78-6	2-Hexanone		40	U
124-48-1	Dibromochloromethane		40	U
108-90-7	Chlorobenzene		40	U
100-41-4	Ethylbenzene		40	U
1330-20-7	(m+p) Xylene		40	U
1330-20-7	o-Xylene		40	U
100-42-5	Styrene		40	U
79-34-5	1,1,2,2-Tetrachloroethane		40	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RINSE BLANKDL

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) WATER Lab Sample ID: 584924 4.0
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9242.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. _____ Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 4.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

39(0-2')

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 584926 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9187.D

Level: (low/med) MED Date Received: 09/18/02

% Moisture: not dec. 7.3 Date Analyzed: 09/24/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
67-64-1	Acetone	1400	
75-15-0	Carbon Disulfide	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone (MEK)	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
56-23-5	Carbontetrachloride	1300	U
71-43-2	Benzene	1300	U
79-01-6	Trichloroethene	570	J
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
75-25-2	Bromoform	1300	U
127-18-4	Tetrachloroethene	8900	
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	(m+p) Xylene	1300	U
1330-20-7	o-Xylene	1300	U
100-42-5	Styrene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

39(0-2')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584926 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9187.D
Level: (low/med) MED Date Received: 09/18/02
% Moisture: not dec. 7.3 Date Analyzed: 09/24/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

39(2-4')

Lab Name: CAS\ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 584927 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3552.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 8 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	22	U
75-01-4	Vinyl chloride	22	U
75-00-3	Chloroethane	22	U
74-83-9	Bromomethane	22	U
67-64-1	Acetone	22	U
75-09-2	Methylene chloride	22	U
75-15-0	Carbon disulfide	22	U
78-93-3	2-Butanone	22	U
156-59-2	cis-1,2-Dichloroethene	22	U
67-66-3	Chloroform	22	U
107-06-2	1,2-Dichloroethane	22	U
71-55-6	1,1,1-Trichloroethane	22	U
71-43-2	Benzene	22	U
79-01-6	Trichloroethene	13	J
75-27-4	Bromodichloromethane	22	U
10061-01-5	cis-1,3-Dichloropropene	22	U
10061-02-6	trans-1,3-Dichloropropene	22	U
79-00-5	1,1,2-Trichloroethane	22	U
124-48-1	Dibromochloromethane	22	U
75-25-2	Bromoform	22	U
108-10-1	4-Methyl-2-pentanone	22	U
108-88-3	Toluene	22	U
591-78-6	2-Hexanone	22	U
127-18-4	Tetrachloroethene	160	
108-90-7	Chlorobenzene	22	U
100-41-4	Ethylbenzene	22	U
108-38-3/106-42-3	(m+p)Xylene	22	U
100-42-5	Styrene	22	U
79-34-5	1,1,2,2-Tetrachloroethane	22	U
95-47-6	o-Xylene	22	U
156-60-5	trans-1,2-Dichloroethene	22	U
75-35-4	1,1-Dichloroethene	22	U
75-34-3	1,1-Dichloroethane	22	U
56-23-5	Carbon tetrachloride	22	U
78-87-5	1,2-Dichloropropane	22	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

39(2-4')

Lab Name: CASI/ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584927 2.0
Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3552.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 8 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

38(0-2')

Lab Name: CASI/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584928 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3553.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 22.1 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	26	U
75-01-4	Vinyl chloride	26	U
75-00-3	Chloroethane	26	U
74-83-9	Bromomethane	26	U
67-64-1	Acetone	26	U
75-09-2	Methylene chloride	26	U
75-15-0	Carbon disulfide	26	U
78-93-3	2-Butanone	26	U
156-59-2	cis-1,2-Dichloroethene	28	
67-66-3	Chloroform	26	U
107-06-2	1,2-Dichloroethane	26	U
71-55-6	1,1,1-Trichloroethane	26	U
71-43-2	Benzene	26	U
79-01-6	Trichloroethene	200	
75-27-4	Bromodichloromethane	26	U
10061-01-5	cis-1,3-Dichloropropene	26	U
10061-02-6	trans-1,3-Dichloropropene	26	U
79-00-5	1,1,2-Trichloroethane	26	U
124-48-1	Dibromochloromethane	26	U
75-25-2	Bromoform	26	U
108-10-1	4-Methyl-2-pentanone	26	U
108-88-3	Toluene	26	U
591-78-6	2-Hexanone	26	U
127-18-4	Tetrachloroethene	940	E
108-90-7	Chlorobenzene	26	U
100-41-4	Ethylbenzene	26	U
108-38-3/106-42-3	(m+p)Xylene	26	U
100-42-5	Styrene	26	U
79-34-5	1,1,2,2-Tetrachloroethane	26	U
95-47-6	o-Xylene	26	U
156-60-5	trans-1,2-Dichloroethene	26	U
75-35-4	1,1-Dichloroethene	26	U
75-34-3	1,1-Dichloroethane	26	U
56-23-5	Carbon tetrachloride	26	U
78-87-5	1,2-Dichloropropane	26	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

38(0-2')

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584928 2.0
Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3553.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 22.1 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

38(0-2')DL

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 584928 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9212.D

Level: (low/med) MED Date Received: 09/18/02

% Moisture: not dec. 22.1 Date Analyzed: 09/25/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1600	U	
75-01-4	Vinyl Chloride	1600	U	
74-83-9	Bromomethane	1600	U	
75-00-3	Chloroethane	1600	U	
75-35-4	1,1-Dichloroethene	1600	U	
67-64-1	Acetone	1600	U	
75-15-0	Carbon Disulfide	1600	U	
75-09-2	Methylene Chloride	1600	U	
156-60-5	trans-1,2-Dichloroethene	1600	U	
75-34-3	1,1-Dichloroethane	1600	U	
156-59-2	cis-1,2-Dichloroethene	1600	U	
78-93-3	2-Butanone (MEK)	1600	U	
67-66-3	Chloroform	1600	U	
107-06-2	1,2-Dichloroethane	1600	U	
71-55-6	1,1,1-Trichloroethane	1600	U	
56-23-5	Carbontetrachloride	1600	U	
71-43-2	Benzene	1600	U	
79-01-6	Trichloroethene	830	JD	
78-87-5	1,2-Dichloropropane	1600	U	
75-27-4	Bromodichloromethane	1600	U	
10061-01-5	cis-1,3-Dichloropropene	1600	U	
108-10-1	4-Methyl-2-pentanone	1600	U	
108-88-3	Toluene	1600	U	
10061-02-6	trans-1,3-Dichloropropene	1600	U	
79-00-5	1,1,2-Trichloroethane	1600	U	
75-25-2	Bromoform	1600	U	
127-18-4	Tetrachloroethene	4900	D	
591-78-6	2-Hexanone	1600	U	
124-48-1	Dibromochloromethane	1600	U	
108-90-7	Chlorobenzene	1600	U	
100-41-4	Ethylbenzene	1600	U	
1330-20-7	(m+p) Xylene	1600	U	
1330-20-7	o-Xylene	1600	U	
100-42-5	Styrene	1600	U	
79-34-5	1,1,2,2-Tetrachloroethane	1600	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

38(0-2')DL

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584928 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9212.D
Level: (low/med) MED Date Received: 09/18/02
% Moisture: not dec. 22.1 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 125.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

38(2-4')

Lab Name: CASIROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584929 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3554.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 17.2 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	24	U
75-01-4	Vinyl chloride	24	U
75-00-3	Chloroethane	24	U
74-83-9	Bromomethane	24	U
67-64-1	Acetone	24	U
75-09-2	Methylene chloride	24	U
75-15-0	Carbon disulfide	24	U
78-93-3	2-Butanone	24	U
156-59-2	cis-1,2-Dichloroethene	29	
67-66-3	Chloroform	24	U
107-06-2	1,2-Dichloroethane	24	U
71-55-6	1,1,1-Trichloroethane	24	U
71-43-2	Benzene	24	U
79-01-6	Trichloroethene	170	
75-27-4	Bromodichloromethane	24	U
10061-01-5	cis-1,3-Dichloropropene	24	U
10061-02-6	trans-1,3-Dichloropropene	24	U
79-00-5	1,1,2-Trichloroethane	24	U
124-48-1	Dibromochloromethane	24	U
75-25-2	Bromoform	24	U
108-10-1	4-Methyl-2-pentanone	24	U
108-88-3	Toluene	24	U
591-78-6	2-Hexanone	24	U
127-18-4	Tetrachloroethene	500	E
108-90-7	Chlorobenzene	24	U
100-41-4	Ethylbenzene	24	U
108-38-3/106-42-3	(m+p)Xylene	24	U
100-42-5	Styrene	24	U
79-34-5	1,1,2,2-Tetrachloroethane	24	U
95-47-6	o-Xylene	24	U
156-60-5	trans-1,2-Dichloroethene	24	U
75-35-4	1,1-Dichloroethene	24	U
75-34-3	1,1-Dichloroethane	24	U
56-23-5	Carbon tetrachloride	24	U
78-87-5	1,2-Dichloropropane	24	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

38(2-4')

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584929 2.0
Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3554.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 17.2 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

38(2-4')DL

Lab Name: CASIROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL me p1017142 Lab Sample ID: 584929 5.0

Sample wt/vol: 5.0 1.0 (g/ml) G Lab File ID: A3563.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 17.2 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	60	U	U
75-01-4	Vinyl chloride	60	U	U
75-00-3	Chloroethane	60	U	U
74-83-9	Bromomethane	60	U	U
67-64-1	Acetone	60	U	U
75-09-2	Methylene chloride	60	U	U
75-15-0	Carbon disulfide	60	U	U
78-93-3	2-Butanone	60	U	U
156-59-2	cis-1,2-Dichloroethene	36	JD	JD
67-66-3	Chloroform	60	U	U
107-06-2	1,2-Dichloroethane	60	U	U
71-55-6	1,1,1-Trichloroethane	60	U	U
71-43-2	Benzene	60	U	U
79-01-6	Trichloroethene	200	D	D
75-27-4	Bromodichloromethane	60	U	U
10061-01-5	cis-1,3-Dichloropropene	60	U	U
10061-02-6	trans-1,3-Dichloropropene	60	U	U
79-00-5	1,1,2-Trichloroethane	60	U	U
124-48-1	Dibromochloromethane	60	U	U
75-25-2	Bromoform	60	U	U
108-10-1	4-Methyl-2-pentanone	60	U	U
108-88-3	Toluene	60	U	U
591-78-6	2-Hexanone	60	U	U
127-18-4	Tetrachloroethene	550	D	D
108-90-7	Chlorobenzene	60	U	U
100-41-4	Ethylbenzene	60	U	U
108-38-3/106-42-3	(m+p)Xylene	60	U	U
100-42-5	Styrene	60	U	U
79-34-5	1,1,2,2-Tetrachloroethane	60	U	U
95-47-6	o-Xylene	60	U	U
156-60-5	trans-1,2-Dichloroethene	60	U	U
75-35-4	1,1-Dichloroethene	60	U	U
75-34-3	1,1-Dichloroethane	60	U	U
56-23-5	Carbon tetrachloride	60	U	U
78-87-5	1,2-Dichloropropane	60	U	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

38(2-4')DL

Lab Name: CASI/ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584929 5.0
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3563.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 17.2 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0
Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33(0-2')

Lab Name: CAS\ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584930 5.0

Sample wt/vol: 1.0 (g/ml) G Lab File ID: A3555.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 8 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	54	U	
75-01-4	Vinyl chloride	54	U	
75-00-3	Chloroethane	54	U	
74-83-9	Bromomethane	54	U	
67-64-1	Acetone	54	U	
75-09-2	Methylene chloride	54	U	
75-15-0	Carbon disulfide	54	U	
78-93-3	2-Butanone	54	U	
156-59-2	cis-1,2-Dichloroethene	120		
67-66-3	Chloroform	54	U	
107-06-2	1,2-Dichloroethane	54	U	
71-55-6	1,1,1-Trichloroethane	54	U	
71-43-2	Benzene	54	U	
79-01-6	Trichloroethene	280		
75-27-4	Bromodichloromethane	54	U	
10061-01-5	cis-1,3-Dichloropropene	54	U	
10061-02-6	trans-1,3-Dichloropropene	54	U	
79-00-5	1,1,2-Trichloroethane	54	U	
124-48-1	Dibromochloromethane	54	U	
75-25-2	Bromoform	54	U	
108-10-1	4-Methyl-2-pentanone	54	U	
108-88-3	Toluene	54	U	
591-78-6	2-Hexanone	54	U	
127-18-4	Tetrachloroethene	2100	E	
108-90-7	Chlorobenzene	54	U	
100-41-4	Ethylbenzene	54	U	
108-38-3/106-42-3	(m+p)Xylene	54	U	
100-42-5	Styrene	54	U	
79-34-5	1,1,2,2-Tetrachloroethane	54	U	
95-47-6	o-Xylene	54	U	
156-60-5	trans-1,2-Dichloroethene	54	U	
75-35-4	1,1-Dichloroethene	54	U	
75-34-3	1,1-Dichloroethane	54	U	
56-23-5	Carbon tetrachloride	54	U	
78-87-5	1,2-Dichloropropane	54	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

33(0-2')

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584930 5.0
Sample wt/vol: 1.0 (g/ml) G Lab File ID: A3555.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 8 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33(0-2')DL

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584930 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9221.D

Level: (low/med) MED Date Received: 09/18/02

% Moisture: not dec. 8 Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1400	U
75-01-4	Vinyl Chloride	1400	U
74-83-9	Bromomethane	1400	U
75-00-3	Chloroethane	1400	U
75-35-4	1,1-Dichloroethene	1400	U
67-64-1	Acetone	1400	U
75-15-0	Carbon Disulfide	1400	U
75-09-2	Methylene Chloride	1400	U
156-60-5	trans-1,2-Dichloroethene	1400	U
75-34-3	1,1-Dichloroethane	1400	U
156-59-2	cis-1,2-Dichloroethene	250	JD
78-93-3	2-Butanone (MEK)	1400	U
67-66-3	Chloroform	1400	U
107-06-2	1,2-Dichloroethane	1400	U
71-55-6	1,1,1-Trichloroethane	1400	U
56-23-5	Carbontetrachloride	1400	U
71-43-2	Benzene	1400	U
79-01-6	Trichloroethene	530	JD
78-87-5	1,2-Dichloropropane	1400	U
75-27-4	Bromodichloromethane	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
108-10-1	4-Methyl-2-pentanone	1400	U
108-88-3	Toluene	1400	U
10061-02-6	trans-1,3-Dichloropropene	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
75-25-2	Bromoform	1400	U
127-18-4	Tetrachloroethene	4500	D
591-78-6	2-Hexanone	1400	U
124-48-1	Dibromochloromethane	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	1400	U
1330-20-7	(m+p) Xylene	1400	U
1330-20-7	o-Xylene	1400	U
100-42-5	Styrene	1400	U
79-34-5	1,1,2,2-Tetrachloroethane	1400	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

33(0-2')DL

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584930 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9221.D
Level: (low/med) MED Date Received: 09/18/02
% Moisture: not dec. 8 Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 125.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33(2-4')

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 584931 500

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9190.D

Level: (low/med) MED Date Received: 09/18/02

% Moisture: not dec. 8.1 Date Analyzed: 09/24/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 4.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	5400	U
75-01-4	Vinyl Chloride	5400	U
74-83-9	Bromomethane	5400	U
75-00-3	Chloroethane	5400	U
75-35-4	1,1-Dichloroethene	5400	U
67-64-1	Acetone	5400	U
75-15-0	Carbon Disulfide	5400	U
75-09-2	Methylene Chloride	5400	U
156-60-5	trans-1,2-Dichloroethene	5400	U
75-34-3	1,1-Dichloroethane	5400	U
156-59-2	cis-1,2-Dichloroethene	1600	JD
78-93-3	2-Butanone (MEK)	5400	U
67-66-3	Chloroform	5400	U
107-06-2	1,2-Dichloroethane	5400	U
71-55-6	1,1,1-Trichloroethane	5400	U
56-23-5	Carbontetrachloride	5400	U
71-43-2	Benzene	5400	U
79-01-6	Trichloroethene	4300	JD
78-87-5	1,2-Dichloropropane	5400	U
75-27-4	Bromodichloromethane	5400	U
10061-01-5	cis-1,3-Dichloropropene	5400	U
108-10-1	4-Methyl-2-pentanone	5400	U
108-88-3	Toluene	5400	U
10061-02-6	trans-1,3-Dichloropropene	5400	U
79-00-5	1,1,2-Trichloroethane	5400	U
75-25-2	Bromoform	5400	U
127-18-4	Tetrachloroethene	30000	D
591-78-6	2-Hexanone	5400	U
124-48-1	Dibromochloromethane	5400	U
108-90-7	Chlorobenzene	5400	U
100-41-4	Ethylbenzene	5400	U
1330-20-7	(m+p) Xylene	5400	U
1330-20-7	o-Xylene	5400	U
100-42-5	Styrene	5400	U
79-34-5	1,1,2,2-Tetrachloroethane	5400	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

33(2-4')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584931 500
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9190.D
Level: (low/med) MED Date Received: 09/18/02
% Moisture: not dec. 8.1 Date Analyzed: 09/24/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 4.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33(10-12')

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584932 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9188.D

Level: (low/med) MED Date Received: 09/18/02

% Moisture: not dec. 22.8 Date Analyzed: 09/24/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1600	U	
75-01-4	Vinyl Chloride	1600	U	
74-83-9	Bromomethane	1600	U	
75-00-3	Chloroethane	1600	U	
75-35-4	1,1-Dichloroethene	1600	U	
67-64-1	Acetone	1600	U	
75-15-0	Carbon Disulfide	1600	U	
75-09-2	Methylene Chloride	1600	U	
156-60-5	trans-1,2-Dichloroethene	1600	U	
75-34-3	1,1-Dichloroethane	1600	U	
156-59-2	cis-1,2-Dichloroethene	1400	J	
78-93-3	2-Butanone (MEK)	1600	U	
67-66-3	Chloroform	1600	U	
107-06-2	1,2-Dichloroethane	1600	U	
71-55-6	1,1,1-Trichloroethane	1600	U	
56-23-5	Carbontetrachloride	1600	U	
71-43-2	Benzene	1600	U	
79-01-6	Trichloroethene	1600	U	
78-87-5	1,2-Dichloropropane	1600	U	
75-27-4	Bromodichloromethane	1600	U	
10061-01-5	cis-1,3-Dichloropropene	1600	U	
108-10-1	4-Methyl-2-pentanone	1600	U	
108-88-3	Toluene	1600	U	
10061-02-6	trans-1,3-Dichloropropene	1600	U	
79-00-5	1,1,2-Trichloroethane	1600	U	
75-25-2	Bromoform	1600	U	
127-18-4	Tetrachloroethene	2400		
591-78-6	2-Hexanone	1600	U	
124-48-1	Dibromochloromethane	1600	U	
108-90-7	Chlorobenzene	1600	U	
100-41-4	Ethylbenzene	1600	U	
1330-20-7	(m+p) Xylene	880	J	
1330-20-7	o-Xylene	1600	U	
100-42-5	Styrene	1600	U	
79-34-5	1,1,2,2-Tetrachloroethane	1600	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

33(10-12')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584932 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9188.D
Level: (low/med) MED Date Received: 09/18/02
% Moisture: not dec. 22.8 Date Analyzed: 09/24/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33(12-14')

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: 584933 125
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9189.D
 Level: (low/med) MED Date Received: 09/18/02
 % Moisture: not dec. 32.7 Date Analyzed: 09/24/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1900		U
75-01-4	Vinyl Chloride	1900		U
74-83-9	Bromomethane	1900		U
75-00-3	Chloroethane	1900		U
75-35-4	1,1-Dichloroethane	1900		U
67-64-1	Acetone	1900		U
75-15-0	Carbon Disulfide	1900		U
75-09-2	Methylene Chloride	1900		U
156-60-5	trans-1,2-Dichloroethene	1900		U
75-34-3	1,1-Dichloroethane	1900		U
156-59-2	cis-1,2-Dichloroethene	2600		
78-93-3	2-Butanone (MEK)	1900		U
67-66-3	Chloroform	1900		U
107-06-2	1,2-Dichloroethane	1900		U
71-55-6	1,1,1-Trichloroethane	1900		U
56-23-5	Carbontetrachloride	1900		U
71-43-2	Benzene	1900		U
79-01-6	Trichloroethene	430		J
78-87-5	1,2-Dichloropropane	1900		U
75-27-4	Bromodichloromethane	1900		U
10061-01-5	cis-1,3-Dichloropropene	1900		U
108-10-1	4-Methyl-2-pentanone	1900		U
108-88-3	Toluene	540		J
10061-02-6	trans-1,3-Dichloropropene	1900		U
79-00-5	1,1,2-Trichloroethane	1900		U
75-25-2	Bromoform	1900		U
127-18-4	Tetrachloroethene	3700		
591-78-6	2-Hexanone	1900		U
124-48-1	Dibromochloromethane	1900		U
108-90-7	Chlorobenzene	1900		U
100-41-4	Ethylbenzene	1300		J
1330-20-7	(m+p) Xylene	4700		
1330-20-7	o-Xylene	570		J
100-42-5	Styrene	1900		U
79-34-5	1,1,2,2-Tetrachloroethane	1900		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

33(12-14')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584933 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9189.D
Level: (low/med) MED Date Received: 09/18/02
% Moisture: not dec. 32.7 Date Analyzed: 09/24/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33(14-16')

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 584934 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9210.D

Level: (low/med) MED Date Received: 09/18/02

% Moisture: not dec. 36.8 Date Analyzed: 09/25/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	2000	U
75-01-4	Vinyl Chloride	2000	U
74-83-9	Bromomethane	2000	U
75-00-3	Chloroethane	2000	U
75-35-4	1,1-Dichloroethene	2000	U
67-64-1	Acetone	2000	
75-15-0	Carbon Disulfide	2000	U
75-09-2	Methylene Chloride	240	J
156-60-5	trans-1,2-Dichloroethene	2000	U
75-34-3	1,1-Dichloroethane	2000	U
156-59-2	cis-1,2-Dichloroethene	3300	
78-93-3	2-Butanone (MEK)	2000	U
67-66-3	Chloroform	2000	U
107-06-2	1,2-Dichloroethane	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
56-23-5	Carbontetrachloride	2000	U
71-43-2	Benzene	2000	U
79-01-6	Trichloroethene	530	J
78-87-5	1,2-Dichloropropane	2000	U
75-27-4	Bromodichloromethane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
108-10-1	4-Methyl-2-pentanone	2000	U
108-88-3	Toluene	560	J
10061-02-6	trans-1,3-Dichloropropene	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
75-25-2	Bromoform	2000	U
127-18-4	Tetrachloroethene	2600	
591-78-6	2-Hexanone	2000	U
124-48-1	Dibromochloromethane	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	1100	J
1330-20-7	(m+p) Xylene	4200	
1330-20-7	o-Xylene	580	J
100-42-5	Styrene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

33(14-16')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 584934 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9210.D
Level: (low/med) MED Date Received: 09/18/02
% Moisture: not dec. 36.8 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32(0-2')

Lab Name: CASIROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584935 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3556.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 8.7 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	22	U	
75-01-4	Vinyl chloride	22	U	
75-00-3	Chloroethane	22	U	
74-83-9	Bromomethane	22	U	
67-64-1	Acetone	22	U	
75-09-2	Methylene chloride	22	U	
75-15-0	Carbon disulfide	22	U	
78-93-3	2-Butanone	22	U	
156-59-2	cis-1,2-Dichloroethene	7	J	
67-66-3	Chloroform	22	U	
107-06-2	1,2-Dichloroethane	22	U	
71-55-6	1,1,1-Trichloroethane	22	U	
71-43-2	Benzene	22	U	
79-01-6	Trichloroethene	54		
75-27-4	Bromodichloromethane	22	U	
10061-01-5	cis-1,3-Dichloropropene	22	U	
10061-02-6	trans-1,3-Dichloropropene	22	U	
79-00-5	1,1,2-Trichloroethane	22	U	
124-48-1	Dibromochloromethane	22	U	
75-25-2	Bromoform	22	U	
108-10-1	4-Methyl-2-pentanone	22	U	
108-88-3	Toluene	22	U	
591-78-6	2-Hexanone	22	U	
127-18-4	Tetrachloroethene	930	E	
108-90-7	Chlorobenzene	22	U	
100-41-4	Ethylbenzene	22	U	
108-38-3/106-42-3	(m+p)Xylene	22	U	
100-42-5	Styrene	22	U	
79-34-5	1,1,2,2-Tetrachloroethane	22	U	
95-47-6	o-Xylene	22	U	
156-60-5	trans-1,2-Dichloroethene	22	U	
75-35-4	1,1-Dichloroethene	22	U	
75-34-3	1,1-Dichloroethane	22	U	
56-23-5	Carbon tetrachloride	22	U	
78-87-5	1,2-Dichloropropane	22	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

32(0-2')

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 584935 2.0
Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3556.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 8.7 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32(0-2')DL

Lab Name: CAS/ROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: 584935 5.0
 Sample wt/vol: 5.0 ^g _g (g/ml) G Lab File ID: A3586.D
 Level: (low/med) LOW Date Received: 09/18/02
 % Moisture: not dec. 8.7 Date Analyzed: 09/25/02
 GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	55	U
75-01-4	Vinyl chloride	55	U
75-00-3	Chloroethane	55	U
74-83-9	Bromomethane	55	U
67-64-1	Acetone	55	U
75-09-2	Methylene chloride	55	U
75-15-0	Carbon disulfide	55	U
78-93-3	2-Butanone	55	U
156-59-2	cis-1,2-Dichloroethene	55	U
67-66-3	Chloroform	55	U
107-06-2	1,2-Dichloroethane	55	U
71-55-6	1,1,1-Trichloroethane	55	U
71-43-2	Benzene	55	U
79-01-6	Trichloroethene	32	JD
75-27-4	Bromodichloromethane	55	U
10061-01-5	cis-1,3-Dichloropropene	55	U
10061-02-6	trans-1,3-Dichloropropene	55	U
79-00-5	1,1,2-Trichloroethane	55	U
124-48-1	Dibromochloromethane	55	U
75-25-2	Bromoform	55	U
108-10-1	4-Methyl-2-pentanone	55	U
108-88-3	Toluene	55	U
591-78-6	2-Hexanone	55	U
127-18-4	Tetrachloroethene	490	D
108-90-7	Chlorobenzene	55	U
100-41-4	Ethylbenzene	55	U
108-38-3/106-42-3	(m+p)Xylene	55	U
100-42-5	Styrene	55	U
79-34-5	1,1,2,2-Tetrachloroethane	55	U
95-47-6	o-Xylene	55	U
156-60-5	trans-1,2-Dichloroethene	55	U
75-35-4	1,1-Dichloroethene	55	U
75-34-3	1,1-Dichloroethane	55	U
56-23-5	Carbon tetrachloride	55	U
78-87-5	1,2-Dichloropropane	55	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

32(0-2')DL

Lab Name: CAS/ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584935 5.0
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3586.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 8.7 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0
Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32(2-4')

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 584936 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9211.D

Level: (low/med) MED Date Received: 09/18/02

% Moisture: not dec. 4.2 Date Analyzed: 09/25/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
67-64-1	Acetone	690	J
75-15-0	Carbon Disulfide	1300	U
75-09-2	Methylene Chloride	140	J
156-60-5	trans-1,2-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone (MEK)	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
56-23-5	Carbontetrachloride	1300	U
71-43-2	Benzene	1300	U
79-01-6	Trichloroethene	750	J
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
75-25-2	Bromoform	1300	U
127-18-4	Tetrachloroethene	12000	
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	(m+p) Xylene	1300	U
1330-20-7	o-Xylene	1300	U
100-42-5	Styrene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

32(2-4')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584936 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9211.D
Level: (low/med) MED Date Received: 09/18/02
% Moisture: not dec. 4.2 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32(10-12')

Lab Name: CAS/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584937 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3557.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 24.6 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	27		U
75-01-4	Vinyl chloride	27		U
75-00-3	Chloroethane	27		U
74-83-9	Bromomethane	27		U
67-64-1	Acetone	32		
75-09-2	Methylene chloride	16		J
75-15-0	Carbon disulfide	27		U
78-93-3	2-Butanone	21		J
156-59-2	cis-1,2-Dichloroethene	92		
67-66-3	Chloroform	27		U
107-06-2	1,2-Dichloroethane	10		J
71-55-6	1,1,1-Trichloroethane	27		U
71-43-2	Benzene	27		U
79-01-6	Trichloroethene	130		
75-27-4	Bromodichloromethane	27		U
10061-01-5	cis-1,3-Dichloropropene	27		U
10061-02-6	trans-1,3-Dichloropropene	27		U
79-00-5	1,1,2-Trichloroethane	27		U
124-48-1	Dibromochloromethane	27		U
75-25-2	Bromoform	27		U
108-10-1	4-Methyl-2-pentanone	27		U
108-88-3	Toluene	13		J
591-78-6	2-Hexanone	27		U
127-18-4	Tetrachloroethene	930		E
108-90-7	Chlorobenzene	27		U
100-41-4	Ethylbenzene	27		U
108-38-3/106-42-3	(m+p)Xylene	27		U
100-42-5	Styrene	27		U
79-34-5	1,1,2,2-Tetrachloroethane	27		U
95-47-6	o-Xylene	8		J
156-60-5	trans-1,2-Dichloroethene	27		U
75-35-4	1,1-Dichloroethene	27		U
75-34-3	1,1-Dichloroethane	27		U
56-23-5	Carbon tetrachloride	27		U
78-87-5	1,2-Dichloropropane	27		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

32(10-12')

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 584937 2.0
Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3557.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 24.6 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32(10-12')DL

Lab Name: CAS/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584937 5.0

Sample wt/vol: 5.01.0 (g/ml) G Lab File ID: A3587.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 24.6 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane		66	U
75-01-4	Vinyl chloride		66	U
75-00-3	Chloroethane		66	U
74-83-9	Bromomethane		66	U
67-64-1	Acetone		60	JD
75-09-2	Methylene chloride		66	U
75-15-0	Carbon disulfide		66	U
78-93-3	2-Butanone		66	U
156-59-2	cis-1,2-Dichloroethene		47	JD
67-66-3	Chloroform		66	U
107-06-2	1,2-Dichloroethane		8	JD
71-55-6	1,1,1-Trichloroethane		66	U
71-43-2	Benzene		66	U
79-01-6	Trichloroethene		53	JD
75-27-4	Bromodichloromethane		66	U
10061-01-5	cis-1,3-Dichloropropene		66	U
10061-02-6	trans-1,3-Dichloropropene		66	U
79-00-5	1,1,2-Trichloroethane		66	U
124-48-1	Dibromochloromethane		66	U
75-25-2	Bromoform		66	U
108-10-1	4-Methyl-2-pentanone		66	U
108-88-3	Toluene		66	U
591-78-6	2-Hexanone		66	U
127-18-4	Tetrachloroethene		370	D
108-90-7	Chlorobenzene		66	U
100-41-4	Ethylbenzene		66	U
108-38-3/106-42-3	(m+p)Xylene		66	U
100-42-5	Styrene		66	U
79-34-5	1,1,2,2-Tetrachloroethane		66	U
95-47-6	o-Xylene		66	U
156-60-5	trans-1,2-Dichloroethene		66	U
75-35-4	1,1-Dichloroethene		66	U
75-34-3	1,1-Dichloroethane		66	U
56-23-5	Carbon tetrachloride		66	U
78-87-5	1,2-Dichloropropane		66	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

32(10-12')DL

Lab Name: CAS/ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584937 5.0
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3587.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 24.6 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0
Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32(14-16')

Lab Name: CASI/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 584938 1.0

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3588.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 28.1 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	14		U
75-01-4	Vinyl chloride	3		J
75-00-3	Chloroethane	14		U
74-83-9	Bromomethane	14		U
67-64-1	Acetone	26		
75-09-2	Methylene chloride	7		J
75-15-0	Carbon disulfide	4		J
78-93-3	2-Butanone	24		
156-59-2	cis-1,2-Dichloroethene	82		
67-66-3	Chloroform	14		U
107-06-2	1,2-Dichloroethane	2		J
71-55-6	1,1,1-Trichloroethane	14		U
71-43-2	Benzene	14		U
79-01-6	Trichloroethene	26		
75-27-4	Bromodichloromethane	14		U
10061-01-5	cis-1,3-Dichloropropene	14		U
10061-02-6	trans-1,3-Dichloropropene	14		U
79-00-5	1,1,2-Trichloroethane	14		U
124-48-1	Dibromochloromethane	14		U
75-25-2	Bromoform	14		U
108-10-1	4-Methyl-2-pentanone	14		U
108-88-3	Toluene	15		
591-78-6	2-Hexanone	14		U
127-18-4	Tetrachloroethene	47		
108-90-7	Chlorobenzene	14		U
100-41-4	Ethylbenzene	14		U
108-38-3/106-42-3	(m+p)Xylene	12		J
100-42-5	Styrene	14		U
79-34-5	1,1,2,2-Tetrachloroethane	14		U
95-47-6	o-Xylene	4		J
156-60-5	trans-1,2-Dichloroethene	14		U
75-35-4	1,1-Dichloroethene	14		U
75-34-3	1,1-Dichloroethane	14		U
56-23-5	Carbon tetrachloride	14		U
78-87-5	1,2-Dichloropropane	14		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

32(14-16')

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 584938 1.0
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3588.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 28.1 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32(16-18')

Lab Name: CASIROCH

Contract: BBL

Lab Code: 10145

Case No.: R2-13745

SAS No.: _____

SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL

Lab Sample ID: 584939 1.0

Sample wt/vol: 5.0 (g/ml) G

Lab File ID: A3589.D

Level: (low/med) LOW

Date Received: 09/18/02

% Moisture: not dec. 26.9

Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	14	U
75-01-4	Vinyl chloride	14	U
75-00-3	Chloroethane	14	U
74-83-9	Bromomethane	14	U
67-64-1	Acetone	20	
75-09-2	Methylene chloride	5	J
75-15-0	Carbon disulfide	4	J
78-93-3	2-Butanone	10	J
156-59-2	cis-1,2-Dichloroethene	65	
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
71-55-6	1,1,1-Trichloroethane	14	U
71-43-2	Benzene	14	U
79-01-6	Trichloroethene	18	
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
124-48-1	Dibromochloromethane	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	16	
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	34	
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	5	J
108-38-3/106-42-3	(m+p)Xylene	24	
100-42-5	Styrene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
95-47-6	o-Xylene	8	J
156-60-5	trans-1,2-Dichloroethene	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
56-23-5	Carbon tetrachloride	14	U
78-87-5	1,2-Dichloropropane	14	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

32(16-18')

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 584939 1.0
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3589.D
Level: (low/med) LOW Date Received: 09/18/02
% Moisture: not dec. 26.9 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT 580.02.080
Client Sample ID : SB-36 (0-2')

Date Sampled : 09/16/02
Date Received: 09/17/02

Order #: 584508
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	91.3	%	09/18/02	10:30	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT 580.02.080
Client Sample ID : SB-36 (2-4')

Date Sampled : 09/16/02
Date Received: 09/17/02

Order #: 584509
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	89.3	%	09/18/02	10:30	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT 580.02.080
Client Sample ID : SB-37 (0-2')

Date Sampled : 09/16/02
Date Received: 09/17/02

Order #: 584510
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	80.4	%	09/18/02	10:30	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-39 (0-2')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584926
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	92.7	%	09/27/02	10:54	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-39 (2-4')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584927
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	92.0	%	09/27/02	10:54	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-38 (0-2')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584928
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	77.9	%	09/27/02	10:54	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-38 (2-4')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584929
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	82.9	%	09/27/02	10:54	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-33 (0-2')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584930
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	92.0	%	09/27/02	10:54	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-33 (2-4')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584931
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	91.9	%	09/27/02	10:54	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-33 (10-12')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584932
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	77.2	%	09/19/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-33 (12-14')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584933
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	67.3	%	09/19/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-33 (14-16')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584934
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	63.2	%	09/19/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-32 (0-2')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584935
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	91.3	%	09/27/02	10:54	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-32 (2-4')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584936
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	95.8	%	09/27/02	10:54	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-32 (10-12')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584937
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	75.4	%	09/19/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-32 (14-16')

Date Sampled : 09/17/02
Date Received: 09/18/02

Order #: 584938
Submission #: R2213745

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	71.9	%	09/19/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-32 (16-18')

Date Sampled : 09/17/02	Order #: 584939	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/18/02	Submission #: R2213745	

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	73.1	%	09/19/02	10:20	1.0

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CASROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	SOILBLK1	103	99	96	0
02	SOILBLK1MS	99	98	94	0
03	36(0-2')	105	112	83	0
04	36(2-4')	104	110	88	0
05	39(2-4')	104	106	88	0
06	38(0-2')	101	122	78	0
07	38(2-4')	107	117	78	0
08	33(0-2')	106	111	77	0
09	32(0-2')	104	135	65	0
10	32(10-12')	102	104	91	0
11	39(2-4')MS	99	112	81	0
12	39(2-4')MSD	97	112	78	0
13	38(2-4')DL	102	114	83	0
14	SOILBLK2	99	101	101	0
15	SOILBLK2MS	103	100	102	0
16	32(0-2')DL	102	116	85	0
17	32(10-12')DL	103	101	101	0
18	32(14-16')	108	102	99	0
19	32(16-18')	111	102	97	0
20	32(16-18')MS	109	102	95	0
21	SOILBLK3	99	101	99	0
22	SOILBLK3MS	96	101	97	0
23	32(16-18')MS	98	105	92	0

SMC1	= 1,2-Dichloroethane-d4	QC LIMITS (70-121)
SMC2	= Toluene-d8	(84-138)
SMC3	= BFB	(59-113)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
 Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	MEDBLK1	96	94	81	0
02	MEDBLK1MS	96	97	82	0
03	37(0-2')	94	95	82	0
04	39(0-2')	97	95	82	0
05	33(10-12')	96	95	82	0
06	33(12-14')	93	94	82	0
07	33(2-4')	95	98	81	0
08	37(0-2')MS	97	94	83	0
09	37(0-2')MSD	98	94	85	0
10	MEDBLK2	99	97	87	0
11	MEDBLK2MS	102	101	87	0
12	33(14-16')	89	99	89	0
13	32(2-4')	90	97	87	0
14	38(0-2')DL	93	99	86	0
15	MEDBLK3	104	97	91	0
16	MEDBLK3MS	107	100	91	0
17	33(0-2')DL	103	97	90	0

SMC1 = SURR1,1,2-Diclcethane (70-121)
 SMC2 = SURR,Toluene-d8 (84-138)
 SMC3 = SURR2,BFB (59-113)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLK4	97	105	85 *	1
02	VLK4MS	101	102	85 *	1
03	COOLER BLA	102	101	84 *	1
04	RINSE BLANK	103	104	89	0
05	TRIP BLANK	106	101	84 *	1
06	RINSE BLANK	106	103	82 *	1

		QC LIMITS
SMC1	= SURR1,1,2-Dicethane	(76-114)
SMC2	= SURR,Toluene-d8	(88-110)
SMC3	= SURR2,BFB	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CASIROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Matrix Spike - EPA Sample No.: 39(2-4') Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Benzene	110	0.0	120	109	66- 142
Trichloroethene	110	13	120	100	62- 137
Toluene	110	0.0	120	109	59- 139
Chlorobenzene	110	0.0	110	100	60- 133
1,1-Dichloroethene	110	0.0	110	100	59- 172

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Benzene	110	120	109	0	21	66- 142
Trichloroethene	110	130	109	9	24	62- 137
Toluene	110	120	109	0	21	59- 139
Chlorobenzene	110	100	91	9	21	60- 133
1,1-Dichloroethene	110	100	91	9	22	59- 172

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

39(2-4')MS

Lab Name: CAS\ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 588465 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3560.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 8 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	22	U	
75-01-4	Vinyl chloride	22	U	
75-00-3	Chloroethane	22	U	
74-83-9	Bromomethane	22	U	
67-64-1	Acetone	22	U	
75-09-2	Methylene chloride	22	U	
75-15-0	Carbon disulfide	22	U	
78-93-3	2-Butanone	22	U	
156-59-2	cis-1,2-Dichloroethene	6	J	
67-66-3	Chloroform	22	U	
107-06-2	1,2-Dichloroethane	22	U	
71-55-6	1,1,1-Trichloroethane	22	U	
71-43-2	Benzene	120		
79-01-6	Trichloroethene	120		
75-27-4	Bromodichloromethane	22	U	
10061-01-5	cis-1,3-Dichloropropene	22	U	
10061-02-6	trans-1,3-Dichloropropene	22	U	
79-00-5	1,1,2-Trichloroethane	22	U	
124-48-1	Dibromochloromethane	22	U	
75-25-2	Bromoform	22	U	
108-10-1	4-Methyl-2-pentanone	22	U	
108-88-3	Toluene	120		
591-78-6	2-Hexanone	22	U	
127-18-4	Tetrachloroethene	160		
108-90-7	Chlorobenzene	110		
100-41-4	Ethylbenzene	22	U	
108-38-3/106-42-3	(m+p)Xylene	22	U	
100-42-5	Styrene	22	U	
79-34-5	1,1,2,2-Tetrachloroethane	22	U	
95-47-6	o-Xylene	22	U	
156-60-5	trans-1,2-Dichloroethene	22	U	
75-35-4	1,1-Dichloroethene	110		
75-34-3	1,1-Dichloroethane	22	U	
56-23-5	Carbon tetrachloride	22	U	
78-87-5	1,2-Dichloropropane	22	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

39(2-4')MSD

Lab Name: CASIROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 588466 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3561.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 8 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	22	U
75-01-4	Vinyl chloride	22	U
75-00-3	Chloroethane	22	U
74-83-9	Bromomethane	22	U
67-64-1	Acetone	22	U
75-09-2	Methylene chloride	22	U
75-15-0	Carbon disulfide	4	J
78-93-3	2-Butanone	22	U
156-59-2	cis-1,2-Dichloroethene	7	J
67-66-3	Chloroform	22	U
107-06-2	1,2-Dichloroethane	22	U
71-55-6	1,1,1-Trichloroethane	22	U
71-43-2	Benzene	120	
79-01-6	Trichloroethene	130	
75-27-4	Bromodichloromethane	22	U
10061-01-5	cis-1,3-Dichloropropene	22	U
10061-02-6	trans-1,3-Dichloropropene	22	U
79-00-5	1,1,2-Trichloroethane	22	U
124-48-1	Dibromochloromethane	22	U
75-25-2	Bromoform	22	U
108-10-1	4-Methyl-2-pentanone	22	U
108-88-3	Toluene	120	
591-78-6	2-Hexanone	22	U
127-18-4	Tetrachloroethene	280	
108-90-7	Chlorobenzene	100	
100-41-4	Ethylbenzene	22	U
108-38-3/106-42-3	(m+p)Xylene	22	U
100-42-5	Styrene	22	U
79-34-5	1,1,2,2-Tetrachloroethane	22	U
95-47-6	o-Xylene	22	U
156-60-5	trans-1,2-Dichloroethene	22	U
75-35-4	1,1-Dichloroethene	100	
75-34-3	1,1-Dichloroethane	22	U
56-23-5	Carbon tetrachloride	22	U
78-87-5	1,2-Dichloropropane	22	U

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS\ROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Matrix Spike - EPA Sample No.: 32(16-18') Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Benzene	68	0.0	72	106	66- 142
Trichloroethene	68	18	83	96	62- 137
Toluene	68	16	82	97	59- 139
Chlorobenzene	68	0.0	68	100	60- 133
1,1-Dichloroethene	68	0.0	65	96	59- 172

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Benzene	68	74	109	3	21	66- 142
Trichloroethene	68	81	93	3	24	62- 137
Toluene	68	87	104	7	21	59- 139
Chlorobenzene	68	72	106	6	21	60- 133
1,1-Dichloroethene	68	72	106	10	22	59- 172

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32(16-18')MS

Lab Name: CASIROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 588469 1.0

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3590.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 26.9 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	14	U
75-01-4	Vinyl chloride	14	U
75-00-3	Chloroethane	14	U
74-83-9	Bromomethane	14	U
67-64-1	Acetone	16	
75-09-2	Methylene chloride	14	U
75-15-0	Carbon disulfide	3	J
78-93-3	2-Butanone	14	U
156-59-2	cis-1,2-Dichloroethene	50	
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
71-55-6	1,1,1-Trichloroethane	14	U
71-43-2	Benzene	72	
79-01-6	Trichloroethene	83	
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
124-48-1	Dibromochloromethane	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	82	
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	24	
108-90-7	Chlorobenzene	68	
100-41-4	Ethylbenzene	14	U
108-38-3/106-42-3	(m+p)Xylene	19	
100-42-5	Styrene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
95-47-6	o-Xylene	6	J
156-60-5	trans-1,2-Dichloroethene	14	U
75-35-4	1,1-Dichloroethene	65	
75-34-3	1,1-Dichloroethane	14	U
56-23-5	Carbon tetrachloride	14	U
78-87-5	1,2-Dichloropropane	14	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32(16-18')MSD

Lab Name: CASI/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 588470 1.0

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3605.D

Level: (low/med) LOW Date Received: 09/18/02

% Moisture: not dec. 26.9 Date Analyzed: 09/26/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	14		U
75-01-4	Vinyl chloride	14		U
75-00-3	Chloroethane	14		U
74-83-9	Bromomethane	14		U
67-64-1	Acetone	16		
75-09-2	Methylene chloride	14		U
75-15-0	Carbon disulfide	4		J
78-93-3	2-Butanone	14		U
156-59-2	cis-1,2-Dichloroethene	37		
67-66-3	Chloroform	14		U
107-06-2	1,2-Dichloroethane	14		U
71-55-6	1,1,1-Trichloroethane	14		U
71-43-2	Benzene	74		
79-01-6	Trichloroethene	81		
75-27-4	Bromodichloromethane	14		U
10061-01-5	cis-1,3-Dichloropropene	14		U
10061-02-6	trans-1,3-Dichloropropene	14		U
79-00-5	1,1,2-Trichloroethane	14		U
124-48-1	Dibromochloromethane	14		U
75-25-2	Bromoform	14		U
108-10-1	4-Methyl-2-pentanone	14		U
108-88-3	Toluene	87		
591-78-6	2-Hexanone	14		U
127-18-4	Tetrachloroethene	31		
108-90-7	Chlorobenzene	72		
100-41-4	Ethylbenzene	6		J
108-38-3/106-42-3	(m+p)Xylene	24		
100-42-5	Styrene	14		U
79-34-5	1,1,2,2-Tetrachloroethane	14		U
95-47-6	o-Xylene	9		J
156-60-5	trans-1,2-Dichloroethene	14		U
75-35-4	1,1-Dichloroethene	72		
75-34-3	1,1-Dichloroethane	14		U
56-23-5	Carbon tetrachloride	14		U
78-87-5	1,2-Dichloropropane	14		U

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCContract: BBLLab Code: 10145Case No.: R2-13745

SAS No.: _____

SDG No.: SB-36(0-2'Matrix Spike - EPA Sample No.: 37(0-2')Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	7800	0.0	8200	105	59 - 172
Benzene	7800	0.0	8400	108	66 - 142
Trichloroethene	7800	1200	9300	104	62 - 137
Toluene	7800	0.0	8800	113	59 - 139
Chlorobenzene	7800	0.0	8600	110	60 - 133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	7800	8200	105	0	22	59 - 172
Benzene	7800	8500	109	1	21	66 - 142
Trichloroethene	7800	9400	105	1	24	62 - 137
Toluene	7800	9100	117	3	21	59 - 139
Chlorobenzene	7800	8600	110	0	21	60 - 133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

37(0-2')MS

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 584510 125 MS

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9194.D

Level: (low/med) MED Date Received: 09/17/02

% Moisture: not dec. 19.6 Date Analyzed: 09/24/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1600	U	
75-01-4	Vinyl Chloride	1600	U	
74-83-9	Bromomethane	1600	U	
75-00-3	Chloroethane	1600	U	
75-35-4	1,1-Dichloroethene	8200		
67-64-1	Acetone	1600	U	
75-15-0	Carbon Disulfide	1600	U	
75-09-2	Methylene Chloride	1600	U	
156-60-5	trans-1,2-Dichloroethene	1600	U	
75-34-3	1,1-Dichloroethane	1600	U	
156-59-2	cis-1,2-Dichloroethene	1400	J	
78-93-3	2-Butanone (MEK)	1600	U	
67-66-3	Chloroform	1600	U	
107-06-2	1,2-Dichloroethane	1600	U	
71-55-6	1,1,1-Trichloroethane	1600	U	
56-23-5	Carbontetrachloride	1600	U	
71-43-2	Benzene	8400		
79-01-6	Trichloroethene	9300		
78-87-5	1,2-Dichloropropane	1600	U	
75-27-4	Bromodichloromethane	1600	U	
10061-01-5	cis-1,3-Dichloropropene	1600	U	
108-10-1	4-Methyl-2-pentanone	1600	U	
108-88-3	Toluene	8800		
10061-02-6	trans-1,3-Dichloropropene	1600	U	
79-00-5	1,1,2-Trichloroethane	1600	U	
75-25-2	Bromoform	1600	U	
127-18-4	Tetrachloroethene	13000		
591-78-6	2-Hexanone	1600	U	
124-48-1	Dibromochloromethane	1600	U	
108-90-7	Chlorobenzene	8600		
100-41-4	Ethylbenzene	1600	U	
1330-20-7	(m+p) Xylene	1600	U	
1330-20-7	o-Xylene	1600	U	
100-42-5	Styrene	1600	U	
79-34-5	1,1,2,2-Tetrachloroethane	1600	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

37(0-2')MSD

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 584510 125 MS

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9195.D

Level: (low/med) MED Date Received: 09/17/02

% Moisture: not dec. 19.6 Date Analyzed: 09/25/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1600	U
75-01-4	Vinyl Chloride	1600	U
74-83-9	Bromomethane	1600	U
75-00-3	Chloroethane	1600	U
75-35-4	1,1-Dichloroethene	8200	
67-64-1	Acetone	960	J
75-15-0	Carbon Disulfide	1600	U
75-09-2	Methylene Chloride	1600	U
156-60-5	trans-1,2-Dichloroethene	1600	U
75-34-3	1,1-Dichloroethane	1600	U
156-59-2	cis-1,2-Dichloroethene	1400	J
78-93-3	2-Butanone (MEK)	1600	U
67-66-3	Chloroform	1600	U
107-06-2	1,2-Dichloroethane	1600	U
71-55-6	1,1,1-Trichloroethane	1600	U
56-23-5	Carbontetrachloride	1600	U
71-43-2	Benzene	8500	
79-01-6	Trichloroethene	9400	
78-87-5	1,2-Dichloropropane	1600	U
75-27-4	Bromodichloromethane	1600	U
10061-01-5	cis-1,3-Dichloropropene	1600	U
108-10-1	4-Methyl-2-pentanone	1600	U
108-88-3	Toluene	9100	
10061-02-6	trans-1,3-Dichloropropene	1600	U
79-00-5	1,1,2-Trichloroethane	1600	U
75-25-2	Bromoform	1600	U
127-18-4	Tetrachloroethene	12000	
591-78-6	2-Hexanone	1600	U
124-48-1	Dibromochloromethane	1600	U
108-90-7	Chlorobenzene	8600	
100-41-4	Ethylbenzene	1600	U
1330-20-7	(m+p) Xylene	1600	U
1330-20-7	o-Xylene	1600	U
100-42-5	Styrene	1600	U
79-34-5	1,1,2,2-Tetrachloroethane	1600	U

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS\ROCHContract: BBLLab Code: 10145Case No.: R2-13745

SAS No.: _____

SDG No.: SB-36(0-2'Matrix Spike - EPA Sample No.: SOILBLK1Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Benzene	50	0.0	47	94	66 - 142
Trichloroethene	50	0.0	46	92	62 - 137
Toluene	50	0.0	46	92	59 - 139
Chlorobenzene	50	0.0	45	90	60 - 133
1,1-Dichloroethene	50	0.0	47	94	59 - 172

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK1MS

Lab Name: CAS\ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: VBLKMS

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3549.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
75-00-3	Chloroethane	10	U	
74-83-9	Bromomethane	10	U	
67-64-1	Acetone	10	U	
75-09-2	Methylene chloride	10	U	
75-15-0	Carbon disulfide	10	U	
78-93-3	2-Butanone	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
71-43-2	Benzene	47		
79-01-6	Trichloroethene	46		
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
124-48-1	Dibromochloromethane	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
108-88-3	Toluene	46		
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
108-90-7	Chlorobenzene	45		
100-41-4	Ethylbenzene	10	U	
108-38-3/106-42-3	(m+p)Xylene	10	U	
100-42-5	Styrene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
95-47-6	o-Xylene	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
75-35-4	1,1-Dichloroethene	47		
75-34-3	1,1-Dichloroethane	10	U	
56-23-5	Carbon tetrachloride	10	U	
78-87-5	1,2-Dichloropropane	10	U	

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CASIROCHContract: BBLLab Code: 10145Case No.: R2-13745

SAS No.: _____

SDG No.: SB-36(0-2'Matrix Spike - EPA Sample No.: SOILBLK2Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Benzene	50	0.0	52	104	66 - 142
Trichloroethene	50	0.0	50	100	62 - 137
Toluene	50	0.0	51	102	59 - 139
Chlorobenzene	50	0.0	52	104	60 - 133
1,1-Dichloroethene	50	0.0	49	98	59 - 172

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK2MS

Lab Name: CAS\ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBLKMS

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3585.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	10		U
75-01-4	Vinyl chloride	10		U
75-00-3	Chloroethane	10		U
74-83-9	Bromomethane	10		U
67-64-1	Acetone	10		U
75-09-2	Methylene chloride	10		U
75-15-0	Carbon disulfide	10		U
78-93-3	2-Butanone	10		U
156-59-2	cis-1,2-Dichloroethene	10		U
67-66-3	Chloroform	10		U
107-06-2	1,2-Dichloroethane	10		U
71-55-6	1,1,1-Trichloroethane	10		U
71-43-2	Benzene	52		
79-01-6	Trichloroethene	50		
75-27-4	Bromodichloromethane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
10061-02-6	trans-1,3-Dichloropropene	10		U
79-00-5	1,1,2-Trichloroethane	10		U
124-48-1	Dibromochloromethane	10		U
75-25-2	Bromoform	10		U
108-10-1	4-Methyl-2-pentanone	10		U
108-88-3	Toluene	51		
591-78-6	2-Hexanone	10		U
127-18-4	Tetrachloroethene	10		U
108-90-7	Chlorobenzene	52		
100-41-4	Ethylbenzene	10		U
108-38-3/106-42-3	(m+p)Xylene	10		U
100-42-5	Styrene	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
95-47-6	o-Xylene	10		U
156-60-5	trans-1,2-Dichloroethene	10		U
75-35-4	1,1-Dichloroethene	49		
75-34-3	1,1-Dichloroethane	10		U
56-23-5	Carbon tetrachloride	10		U
78-87-5	1,2-Dichloropropane	10		U

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix Spike - EPA Sample No.: SOILBLK3 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Benzene	50	0.0	52	104	66 - 142
Trichloroethene	50	0.0	50	100	62 - 137
Toluene	50	0.0	52	104	59 - 139
Chlorobenzene	50	0.0	52	104	60 - 133
1,1-Dichloroethene	50	0.0	51	102	59 - 172

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK3MS

Lab Name: CAS/ROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: VBLKMS
 Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3604.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. 0 Date Analyzed: 09/26/02
 GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	10		U
75-01-4	Vinyl chloride	10		U
75-00-3	Chloroethane	10		U
74-83-9	Bromomethane	10		U
67-64-1	Acetone	10		U
75-09-2	Methylene chloride	10		U
75-15-0	Carbon disulfide	10		U
78-93-3	2-Butanone	10		U
156-59-2	cis-1,2-Dichloroethene	10		U
67-66-3	Chloroform	10		U
107-06-2	1,2-Dichloroethane	10		U
71-55-6	1,1,1-Trichloroethane	10		U
71-43-2	Benzene	52		
79-01-6	Trichloroethene	50		
75-27-4	Bromodichloromethane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
10061-02-6	trans-1,3-Dichloropropene	10		U
79-00-5	1,1,2-Trichloroethane	10		U
124-48-1	Dibromochloromethane	10		U
75-25-2	Bromoform	10		U
108-10-1	4-Methyl-2-pentanone	10		U
108-88-3	Toluene	52		
591-78-6	2-Hexanone	10		U
127-18-4	Tetrachloroethene	10		U
108-90-7	Chlorobenzene	52		
100-41-4	Ethylbenzene	10		U
108-38-3/106-42-3	(m+p)Xylene	10		U
100-42-5	Styrene	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
95-47-6	o-Xylene	10		U
156-60-5	trans-1,2-Dichloroethene	10		U
75-35-4	1,1-Dichloroethene	51		
75-34-3	1,1-Dichloroethane	10		U
56-23-5	Carbon tetrachloride	10		U
78-87-5	1,2-Dichloropropane	10		U

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROC Contract: BBLLab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'Matrix Spike - EPA Sample No.: MEDBLK1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	49	98	61 - 145
Benzene	50	0.0	50	100	76 - 127
Trichloroethene	50	0.0	49	98	71 - 120
Toluene	50	0.0	49	98	76 - 125
Chlorobenzene	50	0.0	50	100	75 - 130

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEDBLK1MS

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBLK MS

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9184.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/24/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1200	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	1200	U
75-00-3	Chloroethane	1200	U
75-35-4	1,1-Dichloroethene	6200	
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-09-2	Methylene Chloride	1200	U
156-60-5	trans-1,2-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
156-59-2	cis-1,2-Dichloroethene	1200	U
78-93-3	2-Butanone (MEK)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbontetrachloride	1200	U
71-43-2	Benzene	6200	
79-01-6	Trichloroethene	6100	
78-87-5	1,2-Dichloropropane	1200	U
75-27-4	Bromodichloromethane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
108-88-3	Toluene	6200	
10061-02-6	trans-1,3-Dichloropropene	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
75-25-2	Bromoform	1200	U
127-18-4	Tetrachloroethene	1200	U
591-78-6	2-Hexanone	1200	U
124-48-1	Dibromochloromethane	1200	U
108-90-7	Chlorobenzene	6300	
100-41-4	Ethylbenzene	1200	U
1330-20-7	(m+p) Xylene	1200	U
1330-20-7	o-Xylene	1200	U
100-42-5	Styrene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROC Contract: BBLLab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'Matrix Spike - EPA Sample No.: MEDBLK2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	50	100	61 - 145
Benzene	50	0.0	51	102	76 - 127
Trichloroethene	50	0.0	49	98	71 - 120
Toluene	50	0.0	51	102	76 - 125
Chlorobenzene	50	0.0	51	102	75 - 130

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEDBLK2MS

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBLK MS

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9204.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/25/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1200		U
75-01-4	Vinyl Chloride	1200		U
74-83-9	Bromomethane	1200		U
75-00-3	Chloroethane	1200		U
75-35-4	1,1-Dichloroethene	6200		
67-64-1	Acetone	1200		U
75-15-0	Carbon Disulfide	1200		U
75-09-2	Methylene Chloride	1200		U
156-60-5	trans-1,2-Dichloroethene	1200		U
75-34-3	1,1-Dichloroethane	1200		U
156-59-2	cis-1,2-Dichloroethene	1200		U
78-93-3	2-Butanone (MEK)	1200		U
67-66-3	Chloroform	1200		U
107-06-2	1,2-Dichloroethane	1200		U
71-55-6	1,1,1-Trichloroethane	1200		U
56-23-5	Carbontetrachloride	1200		U
71-43-2	Benzene	6400		
79-01-6	Trichloroethene	6200		
78-87-5	1,2-Dichloropropane	1200		U
75-27-4	Bromodichloromethane	1200		U
10061-01-5	cis-1,3-Dichloropropene	1200		U
108-10-1	4-Methyl-2-pentanone	1200		U
108-88-3	Toluene	6400		
10061-02-6	trans-1,3-Dichloropropene	1200		U
79-00-5	1,1,2-Trichloroethane	1200		U
75-25-2	Bromoform	1200		U
127-18-4	Tetrachloroethene	1200		U
591-78-6	2-Hexanone	1200		U
124-48-1	Dibromochloromethane	1200		U
108-90-7	Chlorobenzene	6400		
100-41-4	Ethylbenzene	1200		U
1330-20-7	(m+p) Xylene	1200		U
1330-20-7	o-Xylene	1200		U
100-42-5	Styrene	1200		U
79-34-5	1,1,2,2-Tetrachloroethane	1200		U

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROC Contract: BBLLab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'Matrix Spike - EPA Sample No.: MEDBLK3

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	43	86	61 - 145
Benzene	50	0.0	43	86	76 - 127
Trichloroethene	50	0.0	42	84	71 - 120
Toluene	50	0.0	43	86	76 - 125
Chlorobenzene	50	0.0	43	86	75 - 130

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEDBLK3MS

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBLK MS

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9219.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1200	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	1200	U
75-00-3	Chloroethane	1200	U
75-35-4	1,1-Dichloroethene	5300	
67-64-1	Acetone	920	J
75-15-0	Carbon Disulfide	1200	U
75-09-2	Methylene Chloride	1200	U
156-60-5	trans-1,2-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
156-59-2	cis-1,2-Dichloroethene	1200	U
78-93-3	2-Butanone (MEK)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbontetrachloride	1200	U
71-43-2	Benzene	5300	
79-01-6	Trichloroethene	5300	
78-87-5	1,2-Dichloropropane	1200	U
75-27-4	Bromodichloromethane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
108-88-3	Toluene	5400	
10061-02-6	trans-1,3-Dichloropropene	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
75-25-2	Bromoform	1200	U
127-18-4	Tetrachloroethene	1200	U
591-78-6	2-Hexanone	1200	U
124-48-1	Dibromochloromethane	1200	U
108-90-7	Chlorobenzene	5400	
100-41-4	Ethylbenzene	1200	U
1330-20-7	(m+p) Xylene	1200	U
1330-20-7	o-Xylene	1200	U
100-42-5	Styrene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROC Contract: BBLLab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2)Matrix Spike - EPA Sample No.: VBLK4

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	47	94	61 - 145
Benzene	50	0.0	45	90	76 - 127
Trichloroethene	50	0.0	44	88	71 - 120
Toluene	50	0.0	45	90	76 - 125
Chlorobenzene	50	0.0	46	92	75 - 130

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK4MS

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) WATER Lab Sample ID: VBLK MS

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9235.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-35-4	1,1-Dichloroethene	47		
67-64-1	Acetone	5	JB	
75-15-0	Carbon Disulfide	10	U	
75-09-2	Methylene Chloride	1	JB	
156-60-5	trans-1,2-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone (MEK)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbontetrachloride	10	U	
71-43-2	Benzene	45		
79-01-6	Trichloroethene	44		
78-87-5	1,2-Dichloropropane	10	U	
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
108-88-3	Toluene	45		
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
75-25-2	Bromoform	10	U	
127-18-4	Tetrachloroethene	10	U	
591-78-6	2-Hexanone	10	U	
124-48-1	Dibromochloromethane	10	U	
108-90-7	Chlorobenzene	46		
100-41-4	Ethylbenzene	10	U	
1330-20-7	(m+p) Xylene	10	U	
1330-20-7	o-Xylene	10	U	
100-42-5	Styrene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SOILBLK1

Lab Name: CASIROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Lab File ID: A3548.D Lab Sample ID: VBLK
 Date Analyzed: 09/24/02 Time Analyzed: 12:30
 GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y
 Instrument ID: MSVOA5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SOILBLK1MS	VBLKMS	A3549.D	13:16
02	36(0-2')	584508 1.0	A3550.D	13:58
03	36(2-4')	584509 1.0	A3551.D	14:34
04	39(2-4')	584927 2.0	A3552.D	15:09
05	38(0-2')	584928 2.0	A3553.D	16:08
06	38(2-4')	584929 2.0	A3554.D	16:43
07	33(0-2')	584930 5.0	A3555.D	17:18
08	32(0-2')	584935 2.0	A3556.D	17:53
09	32(10-12')	584937 2.0	A3557.D	18:29
10	39(2-4')MS	588465 2.0	A3560.D	20:15
11	39(2-4')MSD	588466 2.0	A3561.D	20:50
12	38(2-4')DL	584929 5.0	A3563.D	22:00

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK1

Lab Name: CASIROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VLK

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3548.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/24/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
74-83-9	Bromomethane		10	U
67-64-1	Acetone		10	U
75-09-2	Methylene chloride		10	U
75-15-0	Carbon disulfide		10	U
78-93-3	2-Butanone		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
71-55-6	1,1,1-Trichloroethane		10	U
71-43-2	Benzene		10	U
79-01-6	Trichloroethene		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
124-48-1	Dibromochloromethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
108-88-3	Toluene		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
108-38-3/106-42-3	(m+p)Xylene		10	U
100-42-5	Styrene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
95-47-6	o-Xylene		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
56-23-5	Carbon tetrachloride		10	U
78-87-5	1,2-Dichloropropane		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOILBLK1

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: VLBK
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3548.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. 0 Date Analyzed: 09/24/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SOILBLK2

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: SDG No.: SB-36(0-2'
Lab File ID: A3584.D Lab Sample ID: VLK
Date Analyzed: 09/25/02 Time Analyzed: 12:15
GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y
Instrument ID: MSVOA5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SOILBLK2MS	VLKMS	A3585.D	13:13
02	32(0-2')DL	584935 5.0	A3586.D	13:55
03	32(10-12')DL	584937 5.0	A3587.D	14:31
04	32(14-16')	584938 1.0	A3588.D	15:06
05	32(16-18')	584939 1.0	A3589.D	15:42
06	32(16-18')MS	588469 1.0	A3590.D	16:18

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK2

Lab Name: CASIROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBLK

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3584.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
74-83-9	Bromomethane	10	U
67-64-1	Acetone	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
108-38-3/106-42-3	(m+p)Xylene	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
95-47-6	o-Xylene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
78-87-5	1,2-Dichloropropane	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOILBLK2

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/~~water~~) SOIL Lab Sample ID: VBK
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3584.D
Level: (low/~~med~~) LOW Date Received: _____
% Moisture: not dec. 0 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SOILBLK3

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: SDG No.: SB-36(0-2'
Lab File ID: A3603.D Lab Sample ID: VLK
Date Analyzed: 09/25/02 Time Analyzed: 23:59
GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y
Instrument ID: MSVOA5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SOILBLK3MS	VLKMS	A3604.D	00:34
02	32(16-18')MSD	588470 1.0	A3605.D	01:10

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK3

Lab Name: CAS\ROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Matrix: (soil/water) SOIL Lab Sample ID: VBLK
 Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3603.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. 0 Date Analyzed: 09/25/02
 GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
75-00-3	Chloroethane	10	U	
74-83-9	Bromomethane	10	U	
67-64-1	Acetone	10	U	
75-09-2	Methylene chloride	10	U	
75-15-0	Carbon disulfide	10	U	
78-93-3	2-Butanone	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
79-01-6	Trichloroethene	10	U	
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
124-48-1	Dibromochloromethane	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
108-88-3	Toluene	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
108-38-3/106-42-3	(m+p)Xylene	10	U	
100-42-5	Styrene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
95-47-6	o-Xylene	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
56-23-5	Carbon tetrachloride	10	U	
78-87-5	1,2-Dichloropropane	10	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOILBLK3

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: VBLK
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3603.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. 0 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.19	7	JN

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MEDBLK1

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Lab File ID: Q9183.D Lab Sample ID: VBLK MED
Date Analyzed: 09/24/02 Time Analyzed: 16:03
GC Column: HP624 ID: 0.2 (mm) Heated Purge: (Y/N) N
Instrument ID: MSVOA6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MEDBLK1MS	VBLK MS	Q9184.D	16:44
02	37(0-2')	584510 125	Q9186.D	18:05
03	39(0-2')	584926 125	Q9187.D	18:45
04	33(10-12')	584932 125	Q9188.D	19:26
05	33(12-14')	584933 125	Q9189.D	20:06
06	33(2-4')	584931 500	Q9190.D	20:46
07	37(0-2')MS	584510 125 MS	Q9194.D	23:26
08	37(0-2')MSD	584510 125 MSD	Q9195.D	00:07

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEDBLK1

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBLK MED

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9183.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/24/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1200	U	
75-01-4	Vinyl Chloride	1200	U	
74-83-9	Bromomethane	1200	U	
75-00-3	Chloroethane	1200	U	
75-35-4	1,1-Dichloroethene	1200	U	
67-64-1	Acetone	1200	U	
75-15-0	Carbon Disulfide	1200	U	
75-09-2	Methylene Chloride	1200	U	
156-60-5	trans-1,2-Dichloroethene	1200	U	
75-34-3	1,1-Dichloroethane	1200	U	
156-59-2	cis-1,2-Dichloroethene	1200	U	
78-93-3	2-Butanone (MEK)	1200	U	
67-66-3	Chloroform	1200	U	
107-06-2	1,2-Dichloroethane	1200	U	
71-55-6	1,1,1-Trichloroethane	1200	U	
56-23-5	Carbontetrachloride	1200	U	
71-43-2	Benzene	1200	U	
79-01-6	Trichloroethene	1200	U	
78-87-5	1,2-Dichloropropane	1200	U	
75-27-4	Bromodichloromethane	1200	U	
10061-01-5	cis-1,3-Dichloropropene	1200	U	
108-10-1	4-Methyl-2-pentanone	1200	U	
108-88-3	Toluene	1200	U	
10061-02-6	trans-1,3-Dichloropropene	1200	U	
79-00-5	1,1,2-Trichloroethane	1200	U	
75-25-2	Bromoform	1200	U	
127-18-4	Tetrachloroethene	1200	U	
591-78-6	2-Hexanone	1200	U	
124-48-1	Dibromochloromethane	1200	U	
108-90-7	Chlorobenzene	1200	U	
100-41-4	Ethylbenzene	1200	U	
1330-20-7	(m+p) Xylene	1200	U	
1330-20-7	o-Xylene	1200	U	
100-42-5	Styrene	1200	U	
79-34-5	1,1,1,2,2-Tetrachloroethane	1200	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MEDBLK1

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: VBLK MED
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9183.D
Level: (low/med) MED Date Received: _____
% Moisture: not dec. 0 Date Analyzed: 09/24/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MEDBLK2

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Lab File ID: Q9203.D Lab Sample ID: VLBK MED
Date Analyzed: 09/25/02 Time Analyzed: 12:31
GC Column: HP624 ID: 0.2 (mm) Heated Purge: (Y/N) N
Instrument ID: MSVOA6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MEDBLK2MS	VLBK MS	Q9204.D	13:12
02	33(14-16')	584934 125	Q9210.D	18:31
03	32(2-4')	584936 125	Q9211.D	19:12
04	38(0-2')DL	584928 125	Q9212.D	19:52

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEDBLK2

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VLBK MED

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9203.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/25/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1200	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	1200	U
75-00-3	Chloroethane	1200	U
75-35-4	1,1-Dichloroethene	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-09-2	Methylene Chloride	1200	U
156-60-5	trans-1,2-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
156-59-2	cis-1,2-Dichloroethene	1200	U
78-93-3	2-Butanone (MEK)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbontetrachloride	1200	U
71-43-2	Benzene	1200	U
79-01-6	Trichloroethene	1200	U
78-87-5	1,2-Dichloropropane	1200	U
75-27-4	Bromodichloromethane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
108-88-3	Toluene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
75-25-2	Bromoform	1200	U
127-18-4	Tetrachloroethene	1200	U
591-78-6	2-Hexanone	1200	U
124-48-1	Dibromochloromethane	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
1330-20-7	(m+p) Xylene	1200	U
1330-20-7	o-Xylene	1200	U
100-42-5	Styrene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MEDBLK2

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Matrix: (soil/~~water~~) SOIL Lab Sample ID: VBLK MED
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9203.D
Level: (low/~~med~~) MED Date Received: _____
% Moisture: not dec. 0 Date Analyzed: 9/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MEDBLK3

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Lab File ID: Q9218.D Lab Sample ID: VBLK MED
Date Analyzed: 09/25/02 Time Analyzed: 23:56
GC Column: HP624 ID: 0.2 (mm) Heated Purge: (Y/N) N
Instrument ID: MSVOA6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MEDBLK3MS	VBLK MS	Q9219.D	00:37
02	33(0-2')DL	584930 125	Q9221.D	01:57

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEDBLK3

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VLBK MED

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9218.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/25/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1200	U	
75-01-4	Vinyl Chloride	1200	U	
74-83-9	Bromomethane	1200	U	
75-00-3	Chloroethane	1200	U	
75-35-4	1,1-Dichloroethene	1200	U	
67-64-1	Acetone	1200	U	
75-15-0	Carbon Disulfide	1200	U	
75-09-2	Methylene Chloride	1200	U	
156-60-5	trans-1,2-Dichloroethene	1200	U	
75-34-3	1,1-Dichloroethane	1200	U	
156-59-2	cis-1,2-Dichloroethene	1200	U	
78-93-3	2-Butanone (MEK)	1200	U	
67-66-3	Chloroform	1200	U	
107-06-2	1,2-Dichloroethane	1200	U	
71-55-6	1,1,1-Trichloroethane	1200	U	
56-23-5	Carbontetrachloride	1200	U	
71-43-2	Benzene	1200	U	
79-01-6	Trichloroethene	1200	U	
78-87-5	1,2-Dichloropropane	1200	U	
75-27-4	Bromodichloromethane	1200	U	
10061-01-5	cis-1,3-Dichloropropene	1200	U	
108-10-1	4-Methyl-2-pentanone	1200	U	
108-88-3	Toluene	1200	U	
10061-02-6	trans-1,3-Dichloropropene	1200	U	
79-00-5	1,1,2-Trichloroethane	1200	U	
75-25-2	Bromoform	1200	U	
127-18-4	Tetrachloroethene	1200	U	
591-78-6	2-Hexanone	1200	U	
124-48-1	Dibromochloromethane	1200	U	
108-90-7	Chlorobenzene	1200	U	
100-41-4	Ethylbenzene	1200	U	
1330-20-7	(m+p) Xylene	1200	U	
1330-20-7	o-Xylene	1200	U	
100-42-5	Styrene	1200	U	
79-34-5	1,1,2,2-Tetrachloroethane	1200	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MEDBLK3

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: SDG No.: SB-36(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: VBLK MED
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9218.D
Level: (low/med) MED Date Received:
% Moisture: not dec. 0 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
Lab File ID: Q9234.D Lab Sample ID: VBLK
Date Analyzed: 09/26/02 Time Analyzed: 10:55
GC Column: HP624 ID: 0.2 (mm) Heated Purge: (Y/N) N
Instrument ID: MSVOA6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	COOLER BLANK	584923 1.0	Q9236.D	12:16
02	RINSE BLANK	584924 1.0	Q9237.D	12:57
03	TRIP BLANK	584925 1.0	Q9238.D	13:38
04	RINSE BLANKDL	584924 4.0	Q9242.D	16:20

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK4

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'

Matrix: (soil/water) WATER Lab Sample ID: VBLK

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9234.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	1	J
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone (MEK)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbontetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	(m+p) Xylene	10	U
1330-20-7	o-Xylene	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK4

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Matrix: (soil/~~water~~) WATER Lab Sample ID: VBLK
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9234.D
 Level: (low/~~med~~) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 09/26/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS\ROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Lab File ID (Standard): A3546.D Date Analyzed: 09/24/02
 Instrument ID: MSVOA5 Time Analyzed: 11:20
 GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	100787	9.54	641968	11.36	591019	16.91
UPPER LIMIT	201574	9.04	1283936	10.86	1182038	16.41
LOWER LIMIT	50394	10.04	320984	11.86	295510	17.41
EPA SAMPLE NO.						
01 SOILBLK1	98770	9.53	638388	11.36	589262	16.90
02 SOILBLK1MS	105905	9.54	695280	11.36	638427	16.90
03 36(0-2')	92006	9.54	599659	11.37	473594	16.90
04 36(2-4')	90010	9.54	551987	11.37	451492	16.90
05 39(2-4')	97022	9.54	610628	11.36	524095	16.90
06 38(0-2')	84460	9.54	519430	11.37	349458	16.90
07 38(2-4')	87448	9.54	526280	11.37	405241	16.90
08 33(0-2')	98078	9.54	587105	11.36	474012	16.89
09 32(0-2')	85797	9.53	407696	11.36	272481*	16.89
10 32(10-12')	96991	9.54	590514	11.36	519698	16.90
11 39(2-4')MS	93043	9.53	531373	11.36	431520	16.89
12 39(2-4')MSD	96171	9.53	545809	11.35	444138	16.89
13 38(2-4')DL	91452	9.53	533379	11.35	417342	16.89

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2')
 Lab File ID (Standard): Q9181.D Date Analyzed: 09/24/02
 Instrument ID: MSVOA6 Time Analyzed: 14:36
 GC Column: HP624 ID: 0.20 (mm) Heated Purge: (Y/N) N

	IS1		IS2		IS3	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	414085	5.42	2437973	6.99	2223352	11.57
UPPER LIMIT	828170	4.92	4875946	6.49	4446704	11.07
LOWER LIMIT	207043	5.92	1218987	7.49	1111676	12.07
EPA SAMPLE NO.						
01 MEDBLK1	356302	5.42	2072540	7.00	2023397	11.57
02 MEDBLK1MS	428151	5.43	2541464	7.00	2263210	11.57
03 37(0-2')	406903	5.42	2420229	7.00	2310607	11.58
04 39(0-2')	388450	5.42	2372703	7.00	2264811	11.58
05 33(10-12')	379561	5.42	2318059	7.00	2201811	11.58
06 33(12-14')	379318	5.42	2206568	7.00	2126691	11.58
07 33(2-4')	425718	5.42	2512339	7.00	2247530	11.57
08 37(0-2')MS	360077	5.42	2168686	7.00	2083863	11.58
09 37(0-2')MSD	379176	5.42	2251645	7.00	2188805	11.58

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CASIROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: SDG No.: SB-36(0-2'
 Lab File ID (Standard): A3582.D Date Analyzed: 09/25/02
 Instrument ID: MSVOA5 Time Analyzed: 10:54
 GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR ST	130183	9.53	826347	11.35	761060	16.88
UPPER LIMIT	260366	9.03	1652694	10.85	1522120	16.38
LOWER LIM	65092	10.03	413174	11.85	380530	17.38
EPA SAMPLE NO.						
01 SOILBLK2	131643	9.53	779866	11.35	730570	16.89
02 SOILBLK2MS	129157	9.53	792437	11.36	730543	16.89
03 32(0-2')DL	112558	9.53	663310	11.35	517669	16.89
04 32(10-12')DL	114902	9.54	727191	11.36	658495	16.89
05 32(14-16')	91536	9.53	574813	11.36	505702	16.90
06 32(16-18')	100702	9.53	639259	11.36	567715	16.89
07 32(16-18')MS	99044	9.53	585433	11.36	545585	16.89

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Lab File ID (Standard): Q9201.D Date Analyzed: 09/25/02
 Instrument ID: MSVOA6 Time Analyzed: 11:07
 GC Column: HP624 ID: 0.20 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	460877	5.40	2665208	6.98	2399680	11.56
UPPER LIMIT	921754	4.90	5330416	6.48	4799360	11.06
LOWER LIMIT	230439	5.90	1332604	7.48	1199840	12.06
EPA SAMPLE NO.						
01 MEDBLK2	496446	5.42	2955228	7.00	2844293	11.57
02 MEDBLK2MS	503486	5.42	2928844	7.00	2631834	11.57
03 33(14-16")	635241	5.41	3855498	7.00	3598576	11.58
04 32(2-4')	599006	5.42	3575048	7.00	3375493	11.58
05 38(0-2')DL	580731	5.42	3477478	7.00	3274991	11.58

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CASIROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Lab File ID (Standard): A3601.D Date Analyzed: 09/25/02
 Instrument ID: MSVOA5 Time Analyzed: 22:28
 GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	128910	9.54	802381	11.36	737245	16.90
UPPER LIMIT	257820	9.04	1604762	10.86	1474490	16.40
LOWER LIMIT	64455	10.04	401191	11.86	368623	17.40
EPA SAMPLE NO:						
01 SOILBLK3	127564	9.55	792650	11.37	724982	16.90
02 SOILBLK3MS	123649	9.54	751416	11.37	687047	16.90
03 32(16-18")MS	100010	9.54	611855	11.36	529646	16.90

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Lab File ID (Standard): Q9216.D Date Analyzed: 09/25/02
 Instrument ID: MSVOA6 Time Analyzed: 22:33
 GC Column: HP624 ID: 0.20 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	621765	5.42	3673538	7.00	3288488	11.57
UPPER LIMIT	1243530	4.92	7347076	6.50	6576976	11.07
LOWER LIMIT	310883	5.92	1836769	7.50	1644244	12.07
EPA SAMPLE NO.						
01 MEDBLK3	494796	5.42	3007014	6.99	2962261	11.57
02 MEDBLK3MS	584803	5.43	3450092	7.00	3104633	11.57
03 33(0-2')DL	530775	5.42	3138106	6.99	3067864	11.58

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13745 SAS No.: _____ SDG No.: SB-36(0-2'
 Lab File ID (Standard): Q9233.D Date Analyzed: 09/26/02
 Instrument ID: MSVOA6 Time Analyzed: 10:12
 GC Column: HP624 ID: 0.20 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	521874	5.42	3017677	6.99	2792387	11.57
UPPER LIMIT	1043748	4.92	6035354	6.49	5584774	11.07
LOWER LIMIT	260937	5.92	1508839	7.49	1396194	12.07
EPA SAMPLE NO.						
01 VBLK4	522065	5.42	2927681	6.99	2526964	11.57
02 VBLK4MS	547005	5.42	3268865	7.00	2932912	11.57
03 COOLER BLA	468717	5.42	2588182	7.00	2366690	11.57
04 RINSE BLANK	482623	5.42	2721343	7.00	2439113	11.57
05 TRIP BLANK	480667	5.42	2703001	7.00	2501720	11.57
06 RINSE BLANK	349285	5.43	1999313	7.00	1817881	11.57

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

Attachment B

For October 2007
Progress Report

BBL[®]
BLASLAND, BOUCK & LEE, INC.
engineers & scientists



October 31, 2002

Mr. Doug Ruszczyk
Blasland Bouck & Lee
1400 Sweet Home Road Suite 1
Amherst, NY 14228

Re: Envirotek II Project #580.02.080
Submission #R2213781
SDG # SB-31 (0-2')

Dear Mr. Ruszczyk:

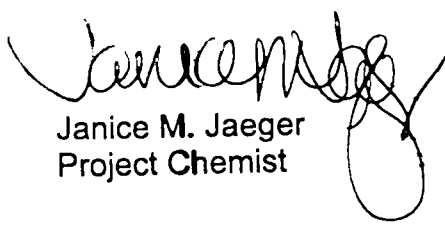
Enclosed is an analytical data report for the above referenced facility. A total of seventeen samples were received by our laboratory on September 19, 2002.

Any problems encountered with this project are addressed in a case narrative section which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your continued use of our services.

Sincerely,
COLUMBIA ANALYTICAL SERVICES



Janice M. Jaeger
Project Chemist

enc.



1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Lab Submission # : R2213781
Project Manager : Janice Jaeger
Reported : 10/30/02

Report Contains a total of 94 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. *Michael K. Perry*

CASE NARRATIVE

COMPANY: Blasland Bouck & Lee
Envirotek II Project #580.02.080
SUBMISSION #: R2213781

BBL soil and water samples were collected on 9/18/02 and received at CAS on 9/19/02 in good condition at cooler temperatures of 1-4 C.

VOLATILE ORGANICS

Sixteen soil samples and one water sample were analyzed for Volatiles by Method 95-1 from NYSASP.

All Tuning criteria for BFB were within limits.

The initial and continuing calibration criteria were met for all analytes except the minimum and average response factor for 1,1,2,2-Tetrachloroethane did not meet the minimum and average response criteria of 0.300 for the CCV 's on MS#6. No data was affected.

All internal standard areas were within limits except IS3 for SB-35 (0-2) and SB-31 (0-2). The samples were repeated at dilutions and the internal standard was within limits for SB-31 (0-2) and still outside limits for SB-35 (0-2).

All surrogate standard recoveries were within limits except SMC2 for SB-35 (0-2) and SB-31 (0-2) and SMC3 for VBLK01, VBLK01MS, Cooler Blank and Trip Blank. SB-35 (0-2) and SB-31 (0-2) were repeated at dilutions and the surrogate was within limits. Due to a laboratory error, the other samples were not repeated.

Various compounds for SB-35 (0-2) and SB-31 (0-2) have been flagged with an "E" as being outside the calibration range of the instrument. The samples were repeated at dilutions and both sets of data have been reported out.

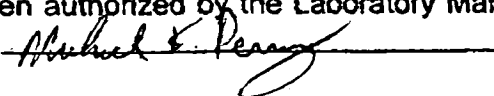
SB-34 (10-12)DL was originally analyzed at too high of a dilution and was reanalyzed at a lower dilution. Both sets of data have been reported out.

All samples were analyzed within required holding times.

Due to a laboratory error, site specific QC was not performed on this SDG. The MS/MSD's associated with this SDG can be found in CAS submission #R2213745. All Blank Spike recoveries were within limits.

The Laboratory Blanks associated with these samples was free of contamination except VBLK1 contained low level hits for Acetone and Methylene Chloride. All affected data has been flagged with a "B".

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in the hard copy package has been authorized by the Laboratory Manager or his designee, as verified by the following signature: 

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

[illegible]



Effective 6/18/2002

ORGANIC QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- X - As specified in Case Narrative.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited

NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-35(0-2')

Lab Name: CAS\ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 585513 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3607.D

Level: (low/med) LOW Date Received: 09/19/02

% Moisture: not dec. 4.1 Date Analyzed: 09/26/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane		21	U
75-01-4	Vinyl chloride		21	U
75-00-3	Chloroethane		21	U
74-83-9	Bromomethane		21	U
67-64-1	Acetone		43	
75-09-2	Methylene chloride		21	U
75-15-0	Carbon disulfide		21	U
78-93-3	2-Butanone		21	U
156-59-2	cis-1,2-Dichloroethene		21	U
67-66-3	Chloroform		21	U
107-06-2	1,2-Dichloroethane		21	U
71-55-6	1,1,1-Trichloroethane		21	U
71-43-2	Benzene		21	U
79-01-6	Trichloroethene		47	
75-27-4	Bromodichloromethane		21	U
10061-01-5	cis-1,3-Dichloropropene		21	U
10061-02-6	trans-1,3-Dichloropropene		21	U
79-00-5	1,1,2-Trichloroethane		21	U
124-48-1	Dibromochloromethane		21	U
75-25-2	Bromoform		21	U
108-10-1	4-Methyl-2-pentanone		21	U
108-88-3	Toluene		21	U
591-78-6	2-Hexanone		21	U
127-18-4	Tetrachloroethene		460	E
108-90-7	Chlorobenzene		21	U
100-41-4	Ethylbenzene		21	U
108-38-3/106-42-3	(m+p)Xylene		21	U
100-42-5	Styrene		21	U
79-34-5	1,1,2,2-Tetrachloroethane		21	U
95-47-6	o-Xylene		21	U
156-60-5	trans-1,2-Dichloroethene		21	U
75-35-4	1,1-Dichloroethene		21	U
75-34-3	1,1-Dichloroethane		21	U
56-23-5	Carbon tetrachloride		21	U
78-87-5	1,2-Dichloropropane		21	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-35(0-2')

Lab Name: CASIROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: 585513 2.0
 Sample wt/vol: 2.5 (g/ml) G Lab File ID: A3607.D
 Level: (low/med) LOW Date Received: 09/19/02
 % Moisture: not dec. 4.1 Date Analyzed: 09/26/02
 GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 1

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.20	15	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-35(0-2')DL

Lab Name: CASROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 585513 5.0

Sample wt/vol: 5.0 1.0 ^{BA 10/51} (g/ml) G Lab File ID: A3592.D

Level: (low/med) LOW Date Received: 09/19/02

% Moisture: not dec. 4.1 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	52	U
75-01-4	Vinyl chloride	52	U
75-00-3	Chloroethane	52	U
74-83-9	Bromomethane	52	U
67-64-1	Acetone	47	JD
75-09-2	Methylene chloride	52	U
75-15-0	Carbon disulfide	52	U
78-93-3	2-Butanone	52	U
156-59-2	cis-1,2-Dichloroethene	52	U
67-66-3	Chloroform	52	U
107-06-2	1,2-Dichloroethane	52	U
71-55-6	1,1,1-Trichloroethane	52	U
71-43-2	Benzene	52	U
79-01-6	Trichloroethene	41	JD
75-27-4	Bromodichloromethane	52	U
10061-01-5	cis-1,3-Dichloropropene	52	U
10061-02-6	trans-1,3-Dichloropropene	52	U
79-00-5	1,1,2-Trichloroethane	52	U
124-48-1	Dibromochloromethane	52	U
75-25-2	Bromoform	52	U
108-10-1	4-Methyl-2-pentanone	52	U
108-88-3	Toluene	52	U
591-78-6	2-Hexanone	52	U
127-18-4	Tetrachloroethene	330	D
108-90-7	Chlorobenzene	52	U
100-41-4	Ethylbenzene	52	U
108-38-3/106-42-3	(m+p)Xylene	52	U
100-42-5	Styrene	52	U
79-34-5	1,1,2,2-Tetrachloroethane	52	U
95-47-6	o-Xylene	52	U
156-60-5	trans-1,2-Dichloroethene	52	U
75-35-4	1,1-Dichloroethene	52	U
75-34-3	1,1-Dichloroethane	52	U
56-23-5	Carbon tetrachloride	52	U
78-87-5	1,2-Dichloropropane	52	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-35(0-2')DL

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 585513 5.0
Sample wt/vol: 5.010 ^{BA 14/31} (g/ml) G Lab File ID: A3592.D
Level: (low/med) LOW Date Received: 09/19/02
% Moisture: not dec. 4.1 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0
Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-35(2-4')

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: 585514 125
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9222.D
 Level: (low/med) MED Date Received: 09/19/02
 % Moisture: not dec. 6.6 Date Analyzed: 09/26/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1300	U	
75-01-4	Vinyl Chloride	1300	U	
74-83-9	Bromomethane	1300	U	
75-00-3	Chloroethane	1300	U	
75-35-4	1,1-Dichloroethene	1300	U	
67-64-1	Acetone	1300	U	
75-15-0	Carbon Disulfide	1300	U	
75-09-2	Methylene Chloride	1300	U	
156-60-5	trans-1,2-Dichloroethene	1300	U	
75-34-3	1,1-Dichloroethane	1300	U	
156-59-2	cis-1,2-Dichloroethene	1300	U	
78-93-3	2-Butanone (MEK)	1300	U	
67-66-3	Chloroform	1300	U	
107-06-2	1,2-Dichloroethane	1300	U	
71-55-6	1,1,1-Trichloroethane	1300	U	
56-23-5	Carbontetrachloride	1300	U	
71-43-2	Benzene	1300	U	
79-01-6	Trichloroethene	420	J	
78-87-5	1,2-Dichloropropane	1300	U	
75-27-4	Bromodichloromethane	1300	U	
10061-01-5	cis-1,3-Dichloropropene	1300	U	
108-10-1	4-Methyl-2-pentanone	1300	U	
108-88-3	Toluene	1300	U	
10061-02-6	trans-1,3-Dichloropropene	1300	U	
79-00-5	1,1,2-Trichloroethane	1300	U	
75-25-2	Bromoform	1300	U	
127-18-4	Tetrachloroethene	3300		
591-78-6	2-Hexanone	1300	U	
124-48-1	Dibromochloromethane	1300	U	
108-90-7	Chlorobenzene	1300	U	
100-41-4	Ethylbenzene	1300	U	
1330-20-7	(m+p) Xylene	1300	U	
1330-20-7	o-Xylene	1300	U	
100-42-5	Styrene	1300	U	
79-34-5	1,1,2,2-Tetrachloroethane	1300	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-35(2-4')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 585514 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9222.D
Level: (low/med) MED Date Received: 09/19/02
% Moisture: not dec. 6.6 Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-35(10-12')

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: 585515 125
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9208.D
 Level: (low/med) MED Date Received: 09/19/02
 % Moisture: not dec. 36.6 Date Analyzed: 09/25/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	2000	U
75-01-4	Vinyl Chloride	2000	U
74-83-9	Bromomethane	2000	U
75-00-3	Chloroethane	2000	U
75-35-4	1,1-Dichloroethene	2000	U
67-64-1	Acetone	3700	
75-15-0	Carbon Disulfide	2000	U
75-09-2	Methylene Chloride	230	J
156-60-5	trans-1,2-Dichloroethene	2000	U
75-34-3	1,1-Dichloroethane	330	J
156-59-2	cis-1,2-Dichloroethene	16000	
78-93-3	2-Butanone (MEK)	2000	U
67-66-3	Chloroform	2000	U
107-06-2	1,2-Dichloroethane	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
56-23-5	Carbontetrachloride	2000	U
71-43-2	Benzene	2000	U
79-01-6	Trichloroethene	2000	U
78-87-5	1,2-Dichloropropane	2000	U
75-27-4	Bromodichloromethane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
108-10-1	4-Methyl-2-pentanone	2000	U
108-88-3	Toluene	2200	
10061-02-6	trans-1,3-Dichloropropene	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
75-25-2	Bromoform	2000	U
127-18-4	Tetrachloroethene	2000	U
591-78-6	2-Hexanone	2000	U
124-48-1	Dibromochloromethane	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2600	
1330-20-7	(m+p) Xylene	7500	
1330-20-7	o-Xylene	1600	J
100-42-5	Styrene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-35(10-12')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/~~water~~) SOIL Lab Sample ID: 585515 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9208.D
Level: (low/~~med~~) MED Date Received: 09/19/02
% Moisture: not dec. 36.6 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-35(12-14')

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 585516 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9213.D

Level: (low/med) MED Date Received: 09/19/02

% Moisture: not dec. 39.5 Date Analyzed: 09/25/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	2100	U
75-01-4	Vinyl Chloride	2100	U
74-83-9	Bromomethane	2100	U
75-00-3	Chloroethane	2100	U
75-35-4	1,1-Dichloroethene	2100	U
67-64-1	Acetone	2100	U
75-15-0	Carbon Disulfide	2100	U
75-09-2	Methylene Chloride	2100	U
156-60-5	trans-1,2-Dichloroethene	2100	U
75-34-3	1,1-Dichloroethane	2100	U
156-59-2	cis-1,2-Dichloroethene	6800	
78-93-3	2-Butanone (MEK)	2100	U
67-66-3	Chloroform	2100	U
107-06-2	1,2-Dichloroethane	2100	U
71-55-6	1,1,1-Trichloroethane	2100	U
56-23-5	Carbontetrachloride	2100	U
71-43-2	Benzene	2100	U
79-01-6	Trichloroethene	2100	U
78-87-5	1,2-Dichloropropane	2100	U
75-27-4	Bromodichloromethane	2100	U
10061-01-5	cis-1,3-Dichloropropene	2100	U
108-10-1	4-Methyl-2-pentanone	2100	U
108-88-3	Toluene	2100	U
10061-02-6	trans-1,3-Dichloropropene	2100	U
79-00-5	1,1,2-Trichloroethane	2100	U
75-25-2	Bromoform	2100	U
127-18-4	Tetrachloroethene	2100	U
591-78-6	2-Hexanone	2100	U
124-48-1	Dibromochloromethane	2100	U
108-90-7	Chlorobenzene	2100	U
100-41-4	Ethylbenzene	2100	U
1330-20-7	(m+p) Xylene	2100	U
1330-20-7	o-Xylene	2100	U
100-42-5	Styrene	2100	U
79-34-5	1,1,2,2-Tetrachloroethane	2100	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-35(12-14')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 585516 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9213.D
Level: (low/med) MED Date Received: 09/19/02
% Moisture: not dec. 39.5 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-35(14-16')

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix: (soil/water) SOIL Lab Sample ID: 585517 125
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9223.D
 Level: (low/med) MED Date Received: 09/19/02
 % Moisture: not dec. 36.8 Date Analyzed: 09/26/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane		2000	U
75-01-4	Vinyl Chloride		2000	U
74-83-9	Bromomethane		2000	U
75-00-3	Chloroethane		2000	U
75-35-4	1,1-Dichloroethene		2000	U
67-64-1	Acetone		2000	U
75-15-0	Carbon Disulfide		2000	U
75-09-2	Methylene Chloride		2000	U
156-60-5	trans-1,2-Dichloroethene		2000	U
75-34-3	1,1-Dichloroethane		2000	U
156-59-2	cis-1,2-Dichloroethene		5800	
78-93-3	2-Butanone (MEK)		2000	U
67-66-3	Chloroform		2000	U
107-06-2	1,2-Dichloroethane		2000	U
71-55-6	1,1,1-Trichloroethane		2000	U
56-23-5	Carbontetrachloride		2000	U
71-43-2	Benzene		2000	U
79-01-6	Trichloroethene		2000	U
78-87-5	1,2-Dichloropropane		2000	U
75-27-4	Bromodichloromethane		2000	U
10061-01-5	cis-1,3-Dichloropropene		2000	U
108-10-1	4-Methyl-2-pentanone		2000	U
108-88-3	Toluene		600	J
10061-02-6	trans-1,3-Dichloropropene		2000	U
79-00-5	1,1,2-Trichloroethane		2000	U
75-25-2	Bromoform		2000	U
127-18-4	Tetrachloroethene		760	J
591-78-6	2-Hexanone		2000	U
124-48-1	Dibromochloromethane		2000	U
108-90-7	Chlorobenzene		2000	U
100-41-4	Ethylbenzene		380	J
1330-20-7	(m+p) Xylene		1300	J
1330-20-7	o-Xylene		480	J
100-42-5	Styrene		2000	U
79-34-5	1,1,2,2-Tetrachloroethane		2000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-35(14-16')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 585517 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9223.D
Level: (low/med) MED Date Received: 09/19/02
% Moisture: not dec. 36.8 Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-34(0-2')

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 585518 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9224.D

Level: (low/med) MED Date Received: 09/19/02

% Moisture: not dec. 8.4 Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1400	U
75-01-4	Vinyl Chloride	1400	U
74-83-9	Bromomethane	1400	U
75-00-3	Chloroethane	1400	U
75-35-4	1,1-Dichloroethene	1400	U
67-64-1	Acetone	1400	U
75-15-0	Carbon Disulfide	1400	U
75-09-2	Methylene Chloride	1400	U
156-60-5	trans-1,2-Dichloroethene	1400	U
75-34-3	1,1-Dichloroethane	1400	U
156-59-2	cis-1,2-Dichloroethene	1400	U
78-93-3	2-Butanone (MEK)	1400	U
67-66-3	Chloroform	1400	U
107-06-2	1,2-Dichloroethane	1400	U
71-55-6	1,1,1-Trichloroethane	770	J
56-23-5	Carbontetrachloride	1400	U
71-43-2	Benzene	1400	U
79-01-6	Trichloroethene	1200	J
78-87-5	1,2-Dichloropropane	1400	U
75-27-4	Bromodichloromethane	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
108-10-1	4-Methyl-2-pentanone	1400	U
108-88-3	Toluene	420	J
10061-02-6	trans-1,3-Dichloropropene	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
75-25-2	Bromoform	1400	U
127-18-4	Tetrachloroethene	10000	
591-78-6	2-Hexanone	1400	U
124-48-1	Dibromochloromethane	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	1400	U
1330-20-7	(m+p) Xylene	1400	U
1330-20-7	o-Xylene	470	J
100-42-5	Styrene	1400	U
79-34-5	1,1,2,2-Tetrachloroethane	1400	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-34(0-2')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 585518 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9224.D
Level: (low/med) MED Date Received: 09/19/02
% Moisture: not dec. 8.4 Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-34(2-4')

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 585519 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9225.D

Level: (low/med) MED Date Received: 09/19/02

% Moisture: not dec. 6 Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone (MEK)	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
71-55-6	1,1,1-Trichloroethane	640	J
56-23-5	Carbontetrachloride	1300	U
71-43-2	Benzene	1300	U
79-01-6	Trichloroethene	1800	
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-pentanone	1300	U
108-88-3	Toluene	360	J
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
75-25-2	Bromoform	1300	U
127-18-4	Tetrachloroethene	16000	
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	(m+p) Xylene	1300	U
1330-20-7	o-Xylene	280	J
100-42-5	Styrene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-34(2-4')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 585519 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9225.D
Level: (low/med) MED Date Received: 09/19/02
% Moisture: not dec. 6 Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-34(10-12')

Lab Name: CAS\ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 585520 5.0

Sample wt/vol: 1.0 (g/ml) G Lab File ID: A3606.D

Level: (low/med) LOW Date Received: 09/19/02

% Moisture: not dec. 0 Date Analyzed: 09/26/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	50		U
75-01-4	Vinyl chloride	50		U
75-00-3	Chloroethane	50		U
74-83-9	Bromomethane	50		U
67-64-1	Acetone	110		
75-09-2	Methylene chloride	50		U
75-15-0	Carbon disulfide	12		J
78-93-3	2-Butanone	76		
156-59-2	cis-1,2-Dichloroethene	15		J
67-66-3	Chloroform	50		U
107-06-2	1,2-Dichloroethane	50		U
71-55-6	1,1,1-Trichloroethane	12		J
71-43-2	Benzene	50		U
79-01-6	Trichloroethene	17		J
75-27-4	Bromodichloromethane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
124-48-1	Dibromochloromethane	50		U
75-25-2	Bromoform	50		U
108-10-1	4-Methyl-2-pentanone	55		
108-88-3	Toluene	56		
591-78-6	2-Hexanone	50		U
127-18-4	Tetrachloroethene	58		
108-90-7	Chlorobenzene	50		U
100-41-4	Ethylbenzene	140		
108-38-3/106-42-3	(m+p)Xylene	66		
100-42-5	Styrene	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
95-47-6	o-Xylene	53		
156-60-5	trans-1,2-Dichloroethene	50		U
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	17		J
56-23-5	Carbon tetrachloride	50		U
78-87-5	1,2-Dichloropropane	50		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-34(10-12')

Lab Name: CASIROCH

Contract: BBL

Lab Code: 10145

Case No.: R2-13781

SAS No.: _____

SDG No.: SB-31(0-2'

Matrix: (soil/water) SOIL

Lab Sample ID: 585520 5.0

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: A3606.D

Level: (low/med) LOW

Date Received: 09/19/02

% Moisture: not dec. 0

Date Analyzed: 09/26/02

GC Column: DB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 1 (uL)

Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 15

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	22.41	230	J
2.	unknown hydrocarbon	22.78	160	J
3.	unknown	22.93	160	J
4.	unknown hydrocarbon	23.19	120	J
5.	unknown hydrocarbon	23.72	520	J
6.	unknown hydrocarbon	24.16	340	J
7.	unknown hydrocarbon	24.61	120	J
8.	unknown hydrocarbon	24.97	110	J
9.	unknown hydrocarbon	25.05	390	J
10.	unknown hydrocarbon	25.25	360	J
11.	unknown cyclic hydrocarbon	26.01	540	J
12.	unknown hydrocarbon	26.48	310	J
13.	unknown cyclic hydrocarbon	26.70	370	J
14.	unknown hydrocarbon	27.02	610	J
15.	unknown cyclic hydrocarbon	27.20	120	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-34(10-12')DL

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: 585520 125

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9214.D

Level: (low/med) MED Date Received: 09/19/02

% Moisture: not dec. 24.1 Date Analyzed: 09/25/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1600	U
75-01-4	Vinyl Chloride	1600	U
74-83-9	Bromomethane	1600	U
75-00-3	Chloroethane	1600	U
75-35-4	1,1-Dichloroethene	1600	U
67-64-1	Acetone	1600	U
75-15-0	Carbon Disulfide	1600	U
75-09-2	Methylene Chloride	1600	U
156-60-5	trans-1,2-Dichloroethene	1600	U
75-34-3	1,1-Dichloroethane	1600	U
156-59-2	cis-1,2-Dichloroethene	1600	U
78-93-3	2-Butanone (MEK)	1600	U
67-66-3	Chloroform	1600	U
107-06-2	1,2-Dichloroethane	1600	U
71-55-6	1,1,1-Trichloroethane	1600	U
56-23-5	Carbontetrachloride	1600	U
71-43-2	Benzene	1600	U
79-01-6	Trichloroethene	1600	U
78-87-5	1,2-Dichloropropane	1600	U
75-27-4	Bromodichloromethane	1600	U
10061-01-5	cis-1,3-Dichloropropene	1600	U
108-10-1	4-Methyl-2-pentanone	1600	U
108-88-3	Toluene	1600	U
10061-02-6	trans-1,3-Dichloropropene	1600	U
79-00-5	1,1,2-Trichloroethane	1600	U
75-25-2	Bromoform	1600	U
127-18-4	Tetrachloroethene	1600	U
591-78-6	2-Hexanone	1600	U
124-48-1	Dibromochloromethane	1600	U
108-90-7	Chlorobenzene	1600	U
100-41-4	Ethylbenzene	1600	U
1330-20-7	(m+p) Xylene	1600	U
1330-20-7	o-Xylene	1600	U
100-42-5	Styrene	1600	U
79-34-5	1,1,2,2-Tetrachloroethane	1600	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-34(10-12')DL

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
Matrix: (soil/water) SOIL Lab Sample ID: 585520 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9214.D
Level: (low/med) MED Date Received: 09/19/02
% Moisture: not dec. 24.1 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-34(12-14')

Lab Name: CASIROCH

Contract: BBL

Lab Code: 10145

Case No.: R2-13781

SAS No.: _____

SDG No.: SB-31(0-2')

Matrix: (soil/water) SOIL

Lab Sample ID: 585521 1.0

Sample wt/vol: 5.0 (g/ml) G

Lab File ID: A3593.D

Level: (low/med) LOW

Date Received: 09/19/02

% Moisture: not dec. 35.6

Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	16	U
75-01-4	Vinyl chloride	4	J
75-00-3	Chloroethane	7	J
74-83-9	Bromomethane	16	U
67-64-1	Acetone	110	
75-09-2	Methylene chloride	16	U
75-15-0	Carbon disulfide	4	J
78-93-3	2-Butanone	170	
156-59-2	cis-1,2-Dichloroethene	16	
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
71-55-6	1,1,1-Trichloroethane	16	U
71-43-2	Benzene	16	U
79-01-6	Trichloroethene	16	U
75-27-4	Bromodichloromethane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
79-00-5	1,1,2-Trichloroethane	16	U
124-48-1	Dibromochloromethane	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-pentanone	290	
108-88-3	Toluene	130	
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	39	
108-38-3/106-42-3	(m+p)Xylene	35	
100-42-5	Styrene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
95-47-6	o-Xylene	15	J
156-60-5	trans-1,2-Dichloroethene	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	38	
56-23-5	Carbon tetrachloride	16	U
78-87-5	1,2-Dichloropropane	16	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-34(12-14')

Lab Name: CASIROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix: (soil/water) SOIL Lab Sample ID: 585521 1.0
 Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3593.D
 Level: (low/med) LOW Date Received: 09/19/02
 % Moisture: not dec. 35.6 Date Analyzed: 09/25/02
 GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 11

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	23.75	13	J
2.	unknown hydrocarbon	24.72	9	J
3.	unknown hydrocarbon	25.04	20	J
4.	unknown	25.24	9	J
5.	unknown cyclic hydrocarbon	26.05	10	J
6.	unknown hydrocarbon	26.23	24	J
7.	unknown hydrocarbon	26.70	12	J
8.	unknown cyclic hydrocarbon	26.90	8	J
9.	unknown hydrocarbon	27.04	19	J
10.	unknown cyclic hydrocarbon	27.88	11	J
11.	unknown hydrocarbon	28.02	12	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-34(14-16')

Lab Name: CASIROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: 585522 1.0
 Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3594.D
 Level: (low/med) LOW Date Received: 09/19/02
 % Moisture: not dec. 27 Date Analyzed: 09/25/02
 GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane		14	U
75-01-4	Vinyl chloride		14	U
75-00-3	Chloroethane		14	U
74-83-9	Bromomethane		14	U
67-64-1	Acetone		30	
75-09-2	Methylene chloride		14	U
75-15-0	Carbon disulfide		5	J
78-93-3	2-Butanone		42	
156-59-2	cis-1,2-Dichloroethene		14	U
67-66-3	Chloroform		14	U
107-06-2	1,2-Dichloroethane		14	U
71-55-6	1,1,1-Trichloroethane		14	U
71-43-2	Benzene		14	U
79-01-6	Trichloroethene		14	U
75-27-4	Bromodichloromethane		14	U
10061-01-5	cis-1,3-Dichloropropene		14	U
10061-02-6	trans-1,3-Dichloropropene		14	U
79-00-5	1,1,2-Trichloroethane		14	U
124-48-1	Dibromochloromethane		14	U
75-25-2	Bromoform		14	U
108-10-1	4-Methyl-2-pentanone		88	
108-88-3	Toluene		32	
591-78-6	2-Hexanone		14	U
127-18-4	Tetrachloroethene		18	
108-90-7	Chlorobenzene		14	U
100-41-4	Ethylbenzene		42	
108-38-3/106-42-3	(m+p)Xylene		67	
100-42-5	Styrene		14	U
79-34-5	1,1,2,2-Tetrachloroethane		14	U
95-47-6	o-Xylene		25	
156-60-5	trans-1,2-Dichloroethene		14	U
75-35-4	1,1-Dichloroethene		14	U
75-34-3	1,1-Dichloroethane		15	
56-23-5	Carbon tetrachloride		14	U
78-87-5	1,2-Dichloropropane		14	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-34(14-16')

Lab Name: CASIROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: 585522 1.0
 Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3594.D
 Level: (low/med) LOW Date Received: 09/19/02
 % Moisture: not dec. 27 Date Analyzed: 09/25/02
 GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 14

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	19.63	20	J
2.	unknown hydrocarbon	22.48	8	J
3.	unknown hydrocarbon	23.73	29	J
4.	unknown hydrocarbon	24.15	12	J
5.	unknown hydrocarbon	24.73	23	J
6.	unknown hydrocarbon	25.05	36	J
7.	unknown hydrocarbon	25.25	25	J
8.	unknown cyclic hydrocarbon	26.00	10	J
9.	unknown hydrocarbon	26.23	34	J
10.	unknown cyclic hydrocarbon	26.48	13	J
11.	unknown hydrocarbon	26.70	43	J
12.	unknown hydrocarbon	27.04	47	J
13.	unknown hydrocarbon	27.18	11	J
14.	unknown hydrocarbon	28.03	14	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-31(0-2')

Lab Name: CAS\ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 585523 1.0

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3608.D

Level: (low/med) LOW Date Received: 09/19/02

% Moisture: not dec. 12.7 Date Analyzed: 09/26/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane		11	U
75-01-4	Vinyl chloride		11	U
75-00-3	Chloroethane		11	U
74-83-9	Bromomethane		11	U
67-64-1	Acetone		25	
75-09-2	Methylene chloride		11	U
75-15-0	Carbon disulfide		7	J
78-93-3	2-Butanone		11	U
156-59-2	cis-1,2-Dichloroethene		8	J
67-66-3	Chloroform		11	U
107-06-2	1,2-Dichloroethane		11	U
71-55-6	1,1,1-Trichloroethane		15	
71-43-2	Benzene		11	U
79-01-6	Trichloroethene		100	
75-27-4	Bromodichloromethane		11	U
10061-01-5	cis-1,3-Dichloropropene		11	U
10061-02-6	trans-1,3-Dichloropropene		11	U
79-00-5	1,1,2-Trichloroethane		11	U
124-48-1	Dibromochloromethane		11	U
75-25-2	Bromoform		11	U
108-10-1	4-Methyl-2-pentanone		11	U
108-88-3	Toluene		9	J
591-78-6	2-Hexanone		11	U
127-18-4	Tetrachloroethene		280	E
108-90-7	Chlorobenzene		11	U
100-41-4	Ethylbenzene		11	U
108-38-3/106-42-3	(m+p)Xylene		11	U
100-42-5	Styrene		11	U
79-34-5	1,1,2,2-Tetrachloroethane		11	U
95-47-6	o-Xylene		11	U
156-60-5	trans-1,2-Dichloroethene		11	U
75-35-4	1,1-Dichloroethene		11	U
75-34-3	1,1-Dichloroethane		11	U
56-23-5	Carbon tetrachloride		11	U
78-87-5	1,2-Dichloropropane		11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-31(0-2')

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 585523 1.0
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3608.D
Level: (low/med) LOW Date Received: 09/19/02
% Moisture: not dec. 12.7 Date Analyzed: 09/26/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-31(0-2')DL

Lab Name: CAS/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 585523 5.0

Sample wt/vol: 5.0 1.0 EA 10/31 (g/ml) G Lab File ID: A3595.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 12.7 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	57	U
75-01-4	Vinyl chloride	57	U
75-00-3	Chloroethane	57	U
74-83-9	Bromomethane	57	U
67-64-1	Acetone	62	D
75-09-2	Methylene chloride	57	U
75-15-0	Carbon disulfide	57	U
78-93-3	2-Butanone	57	U
156-59-2	cis-1,2-Dichloroethene	57	U
67-66-3	Chloroform	57	U
107-06-2	1,2-Dichloroethane	57	U
71-55-8	1,1,1-Trichloroethane	57	U
71-43-2	Benzene	57	U
79-01-6	Trichloroethene	73	D
75-27-4	Bromodichloromethane	57	U
10061-01-5	cis-1,3-Dichloropropene	57	U
10061-02-6	trans-1,3-Dichloropropene	57	U
79-00-5	1,1,2-Trichloroethane	57	U
124-48-1	Dibromochloromethane	57	U
75-25-2	Bromoform	57	U
108-10-1	4-Methyl-2-pentanone	57	U
108-88-3	Toluene	57	U
591-78-6	2-Hexanone	57	U
127-18-4	Tetrachloroethene	180	D
108-90-7	Chlorobenzene	57	U
100-41-4	Ethylbenzene	57	U
108-38-3/106-42-3	(m+p)Xylene	57	U
100-42-5	Styrene	57	U
79-34-5	1,1,2,2-Tetrachloroethane	57	U
95-47-6	o-Xylene	57	U
156-60-5	trans-1,2-Dichloroethene	57	U
75-35-4	1,1-Dichloroethene	57	U
75-34-3	1,1-Dichloroethane	57	U
56-23-5	Carbon tetrachloride	57	U
78-87-5	1,2-Dichloropropane	57	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-31(0-2')DL

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 585523 5.0
Sample wt/vol: 5.0 1.0 BP 10/31 (g/ml) G Lab File ID: A3595.D
Level: (low/med) LOW Date Received:
% Moisture: not dec. 12.7 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0
Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-31(2-4')

Lab Name: CAS\ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')

Matrix: (soil/water) SOIL Lab Sample ID: 585524 1.0

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3596.D

Level: (low/med) LOW Date Received: 09/19/02

% Moisture: not dec. 14.3 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	12	U	
75-01-4	Vinyl chloride	12	U	
75-00-3	Chloroethane	12	U	
74-83-9	Bromomethane	12	U	
67-64-1	Acetone	32		
75-09-2	Methylene chloride	12	U	
75-15-0	Carbon disulfide	3	J	
78-93-3	2-Butanone	35		
156-59-2	cis-1,2-Dichloroethene	12	U	
67-66-3	Chloroform	12	U	
107-06-2	1,2-Dichloroethane	12	U	
71-55-6	1,1,1-Trichloroethane	12	U	
71-43-2	Benzene	12	U	
79-01-6	Trichloroethene	3	J	
75-27-4	Bromodichloromethane	12	U	
10061-01-5	cis-1,3-Dichloropropene	12	U	
10061-02-6	trans-1,3-Dichloropropene	12	U	
79-00-5	1,1,2-Trichloroethane	12	U	
124-48-1	Dibromochloromethane	12	U	
75-25-2	Bromoform	12	U	
108-10-1	4-Methyl-2-pentanone	12	U	
108-88-3	Toluene	12	U	
591-78-6	2-Hexanone	12	U	
127-18-4	Tetrachloroethene	22		
108-90-7	Chlorobenzene	12	U	
100-41-4	Ethylbenzene	12	U	
108-38-3/106-42-3	(m+p)Xylene	12	U	
100-42-5	Styrene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	12	U	
95-47-6	o-Xylene	3	J	
156-60-5	trans-1,2-Dichloroethene	12	U	
75-35-4	1,1-Dichloroethene	12	U	
75-34-3	1,1-Dichloroethane	12	U	
56-23-5	Carbon tetrachloride	12	U	
78-87-5	1,2-Dichloropropane	12	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-31(2-4')

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 585524 1.0
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3596.D
Level: (low/med) LOW Date Received: 09/19/02
% Moisture: not dec. 14.3 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-31(10-12')

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix: (soil/water) SOIL Lab Sample ID: 585525 125
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9207.D
 Level: (low/med) MED Date Received: 09/19/02
 % Moisture: not dec. 16.8 Date Analyzed: 09/25/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1500	U	
75-01-4	Vinyl Chloride	1200	J	
74-83-9	Bromomethane	1500	U	
75-00-3	Chloroethane	1500	U	
75-35-4	1,1-Dichloroethene	1500	U	
67-64-1	Acetone	1100	J	
75-15-0	Carbon Disulfide	1500	U	
75-09-2	Methylene Chloride	220	J	
156-60-5	trans-1,2-Dichloroethene	1500	U	
75-34-3	1,1-Dichloroethane	620	J	
156-59-2	cis-1,2-Dichloroethene	5300		
78-93-3	2-Butanone (MEK)	1500	U	
67-66-3	Chloroform	1500	U	
107-06-2	1,2-Dichloroethane	1500	U	
71-55-6	1,1,1-Trichloroethane	820	J	
56-23-5	Carbontetrachloride	1500	U	
71-43-2	Benzene	1500	U	
79-01-6	Trichloroethene	1400	J	
78-87-5	1,2-Dichloropropane	1500	U	
75-27-4	Bromodichloromethane	1500	U	
10061-01-5	cis-1,3-Dichloropropene	1500	U	
108-10-1	4-Methyl-2-pentanone	1500	U	
108-88-3	Toluene	1300	J	
10061-02-6	trans-1,3-Dichloropropene	1500	U	
79-00-5	1,1,2-Trichloroethane	1500	U	
75-25-2	Bromoform	1500	U	
127-18-4	Tetrachloroethene	1000	J	
591-78-6	2-Hexanone	1500	U	
124-48-1	Dibromochloromethane	1500	U	
108-90-7	Chlorobenzene	1500	U	
100-41-4	Ethylbenzene	450	J	
1330-20-7	(m+p) Xylene	1100	J	
1330-20-7	o-Xylene	520	J	
100-42-5	Styrene	1500	U	
79-34-5	1,1,2,2-Tetrachloroethane	1500	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-31(10-12')

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix: (soil/water) SOIL Lab Sample ID: 585525 125
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9207.D
 Level: (low/med) MED Date Received: 09/19/02
 % Moisture: not dec. 16.8 Date Analyzed: 09/25/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 12

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000111-84-2	Nonane	12.27	1000	JN
2. 019489-10-2	cis-1-Ethyl-3-methyl-cyclohexane	12.63	1400	JN
3.	unknown hydrocarbon	12.99	1000	J
4.	unknown hydrocarbon	13.10	1500	J
5. 001678-92-8	Cyclohexane, propyl-	13.18	1600	JN
6.	unknown hydrocarbon	13.33	830	J
7.	unknown hydrocarbon	13.90	2400	J
8.	unknown hydrocarbon	14.27	1100	J
9.	(DEL) Alkane: Cyclic	14.41	1200	J
10.	(DEL) Alkane: Straight-Chain	14.59	1200	J
11.	(DEL) Alkane: Straight-Chain	15.11	1100	J
12. 001678-93-9	Cyclohexane, butyl-	15.52	1100	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-31(12-14')

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: 585526 125
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9209.D
 Level: (low/med) MED Date Received: 09/19/02
 % Moisture: not dec. 16.2 Date Analyzed: 09/25/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1500	U	
75-01-4	Vinyl Chloride	620	J	
74-83-9	Bromomethane	1500	U	
75-00-3	Chloroethane	1500	U	
75-35-4	1,1-Dichloroethene	1500	U	
67-64-1	Acetone	1500	U	
75-15-0	Carbon Disulfide	1500	U	
75-09-2	Methylene Chloride	1500	U	
156-60-5	trans-1,2-Dichloroethene	1500	U	
75-34-3	1,1-Dichloroethane	490	J	
156-59-2	cis-1,2-Dichloroethene	4200		
78-93-3	2-Butanone (MEK)	1500	U	
67-66-3	Chloroform	1500	U	
107-06-2	1,2-Dichloroethane	1500	U	
71-55-6	1,1,1-Trichloroethane	1500	U	
56-23-5	Carbontetrachloride	1500	U	
71-43-2	Benzene	1500	U	
79-01-6	Trichloroethene	590	J	
78-87-5	1,2-Dichloropropane	1500	U	
75-27-4	Bromodichloromethane	1500	U	
10061-01-5	cis-1,3-Dichloropropene	1500	U	
108-10-1	4-Methyl-2-pentanone	1500	U	
108-88-3	Toluene	1500	J	
10061-02-6	trans-1,3-Dichloropropene	1500	U	
79-00-5	1,1,2-Trichloroethane	1500	U	
75-25-2	Bromoform	1500	U	
127-18-4	Tetrachloroethene	1500	U	
591-78-6	2-Hexanone	1500	U	
124-48-1	Dibromochloromethane	1500	U	
108-90-7	Chlorobenzene	1500	U	
100-41-4	Ethylbenzene	1500	U	
1330-20-7	(m+p) Xylene	1500	U	
1330-20-7	o-Xylene	1500	U	
100-42-5	Styrene	1500	U	
79-34-5	1,1,2,2-Tetrachloroethane	1500	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-31(12-14')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 585526 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9209.D
Level: (low/med) MED Date Received: 09/19/02
% Moisture: not dec. 16.2 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-31(14-16')

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
 Matrix: (soil/water) SOIL Lab Sample ID: 585528 125
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9205.D
 Level: (low/med) MED Date Received: 09/19/02
 % Moisture: not dec. 23.2 Date Analyzed: 09/25/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1600	U	
75-01-4	Vinyl Chloride	330	J	
74-83-9	Bromomethane	1600	U	
75-00-3	Chloroethane	1600	U	
75-35-4	1,1-Dichloroethene	1600	U	
67-64-1	Acetone	1600	U	
75-15-0	Carbon Disulfide	1600	U	
75-09-2	Methylene Chloride	1600	U	
156-60-5	trans-1,2-Dichloroethene	1600	U	
75-34-3	1,1-Dichloroethane	240	J	
156-59-2	cis-1,2-Dichloroethene	1700		
78-93-3	2-Butanone (MEK)	1600	U	
67-66-3	Chloroform	1600	U	
107-06-2	1,2-Dichloroethane	1600	U	
71-55-6	1,1,1-Trichloroethane	1600	U	
56-23-5	Carbontetrachloride	1600	U	
71-43-2	Benzene	1600	U	
79-01-6	Trichloroethene	1600	U	
78-87-5	1,2-Dichloropropane	1600	U	
75-27-4	Bromodichloromethane	1600	U	
10061-01-5	cis-1,3-Dichloropropene	1600	U	
108-10-1	4-Methyl-2-pentanone	1600	U	
108-88-3	Toluene	1600	U	
10061-02-6	trans-1,3-Dichloropropene	1600	U	
79-00-5	1,1,2-Trichloroethane	1600	U	
75-25-2	Bromoform	1600	U	
127-18-4	Tetrachloroethene	1600	U	
591-78-6	2-Hexanone	1600	U	
124-48-1	Dibromochloromethane	1600	U	
108-90-7	Chlorobenzene	1600	U	
100-41-4	Ethylbenzene	1600	U	
1330-20-7	(m+p) Xylene	1600	U	
1330-20-7	o-Xylene	1600	U	
100-42-5	Styrene	1600	U	
79-34-5	1,1,2,2-Tetrachloroethane	1600	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-31(14-16')

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: 585528 125
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9205.D
Level: (low/med) MED Date Received: 09/19/02
% Moisture: not dec. 23.2 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	4.62	920	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) WATER Lab Sample ID: 585510 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9239.D

Level: (low/med) LOW Date Received: 09/19/02

% Moisture: not dec. _____ Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
75-01-4	Vinyl Chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-35-4	1,1-Dichloroethene		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-09-2	Methylene Chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
78-93-3	2-Butanone (MEK)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbontetrachloride		10	U
71-43-2	Benzene		10	U
79-01-6	Trichloroethene		10	U
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
108-10-1	4-Methyl-2-pentanone		10	U
108-88-3	Toluene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone		10	U
124-48-1	Dibromochloromethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	(m+p) Xylene		10	U
1330-20-7	o-Xylene		10	U
100-42-5	Styrene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: SDG No.: SB-31(0-2'
Matrix: (soil/water) WATER Lab Sample ID: 585510 1.0
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9239.D
Level: (low/med) LOW Date Received: 09/19/02
% Moisture: not dec. Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix: (soil/water) WATER Lab Sample ID: 585511 1.0
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9240.D
 Level: (low/med) LOW Date Received: 09/19/02
 % Moisture: not dec. Date Analyzed: 09/26/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
75-01-4	Vinyl Chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-35-4	1,1-Dichloroethene		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-09-2	Methylene Chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
78-93-3	2-Butanone (MEK)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbontetrachloride		10	U
71-43-2	Benzene		10	U
79-01-6	Trichloroethene		10	U
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
108-10-1	4-Methyl-2-pentanone		10	U
108-88-3	Toluene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone		10	U
124-48-1	Dibromochloromethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	(m+p) Xylene		10	U
1330-20-7	o-Xylene		10	U
100-42-5	Styrene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) WATER Lab Sample ID: 585511 1.0
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9240.D
Level: (low/med) LOW Date Received: 09/19/02
% Moisture: not dec. _____ Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	1.80	5	J

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SOURCE COMPOSITE

Date Sampled : 09/18/02	Order #: 585512	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02	Submission #: R2213781	

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	83.6	%	09/27/02	10:54	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-35 (0-2')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585513
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	95.9	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-35 (2-4')

Date Sampled : 09/18/02	Order #: 585514	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02	Submission #: R2213781	

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	93.4	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-35 (10-12')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585515
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	63.5	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-35 (12-14')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585516
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	60.5	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-35 (14-16')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585517
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	63.2	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-34 (0-2')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585518
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	91.6	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-34 (2-4')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585519
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	94.0	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-34 (10-12')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585520
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	75.9	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-34 (12-14')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585521
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	64.4	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-34 (14-16')

Date Sampled : 09/18/02	Order #: 585522	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02	Submission #: R2213781	

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	73.1	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-31 (0-2')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585523
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	87.3	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-31 (2-4')

Date Sampled : 09/18/02	Order #: 585524	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02	Submission #: R2213781	

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	85.7	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-31 (10-12')

Date Sampled : 09/18/02	Order #: 585525	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02	Submission #: R2213781	

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	83.2	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-31 (12-14')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585526
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	83.8	%	09/20/02	12:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/30/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-31 (14-16')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585528
Submission #: R2213781

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	76.8	%	09/20/02	12:00	1.0

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2)

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLK01	97	105	85 *	1
02	VLK01MS	101	102	85 *	1
03	COOLER BLAN	105	102	85 *	1
04	TRIP BLANK	105	104	83 *	1

			QC LIMITS
SMC1	=	SURR1,1,2-Dichloroethane	(76-114)
SMC2	=	SURR,Toluene-d8	(88-110)
SMC3	=	SURR2,BFB	(86-115)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CASI/ROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	SOILBLK01	99	101	101	0
02	SOILBLK01MS	103	100	102	0
03	SB-35(0-2')DL	112	129	73	0
04	SB-34(12-14')	110	103	98	0
05	SB-34(14-16')	107	102	98	0
06	SB-31(0-2')DL	94	117	81	0
07	SB-31(2-4')	92	102	93	0
08	SOILBLK02	99	101	99	0
09	SOILBLK02MS	96	101	97	0
10	SB-34(10-12')	101	109	97	0
11	SB-35(0-2')	92	148 *	61	1
12	SB-31(0-2')	92	146 *	64	1

		QC LIMITS
SMC1	= 1,2-Dichloroethane-d4	(70-121)
SMC2	= Toluene-d8	(84-138)
SMC3	= BFB	(59-113)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VBLKMED01	99	97	87	0
02	VBLKMED01MS	102	101	87	0
03	SB-31(14-16')	101	98	90	0
04	SB-31(10-12')	97	97	93	0
05	SB-35(10-12')	94	95	89	0
06	SB-31(12-14')	87	97	88	0
07	SB-35(12-14')	92	100	87	0
08	SB-34(10-12')D	96	97	91	0
09	VBLKMED02	104	97	91	0
10	VBLKMED02MS	107	100	91	0
11	SOURCE COM	106	96	95	0
12	SB-35(2-4')	105	96	89	0
13	SB-35(14-16')	104	97	91	0
14	SB-34(0-2')	105	97	92	0
15	SB-34(2-4')	105	97	90	0

QC LIMITS

SMC1 = SURR1,1,2-Dichloroethane (70-121)
 SMC2 = SURR,Toluene-d8 (84-138)
 SMC3 = SURR2,BFB (59-113)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CASROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2)
 Matrix Spike - EPA Sample No.: SOILBLK01 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Benzene	50	0.0	52	104	66 - 142
Trichloroethene	50	0.0	50	100	62 - 137
Toluene	50	0.0	51	102	59 - 139
Chlorobenzene	50	0.0	52	104	60 - 133
1,1-Dichloroethene	50	0.0	49	98	59 - 172

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK01MS

Lab Name: CAS/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBLK MS

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3585.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	10		U
75-01-4	Vinyl chloride	10		U
75-00-3	Chloroethane	10		U
74-83-9	Bromomethane	10		U
67-64-1	Acetone	10		U
75-09-2	Methylene chloride	10		U
75-15-0	Carbon disulfide	10		U
78-93-3	2-Butanone	10		U
156-59-2	cis-1,2-Dichloroethene	10		U
67-66-3	Chloroform	10		U
107-06-2	1,2-Dichloroethane	10		U
71-55-6	1,1,1-Trichloroethane	10		U
71-43-2	Benzene	52		
79-01-6	Trichloroethene	50		
75-27-4	Bromodichloromethane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
10061-02-6	trans-1,3-Dichloropropene	10		U
79-00-5	1,1,2-Trichloroethane	10		U
124-48-1	Dibromochloromethane	10		U
75-25-2	Bromoform	10		U
108-10-1	4-Methyl-2-pentanone	10		U
108-88-3	Toluene	51		
591-78-6	2-Hexanone	10		U
127-18-4	Tetrachloroethene	10		U
108-90-7	Chlorobenzene	52		
100-41-4	Ethylbenzene	10		U
108-38-3/106-42-3	(m+p)Xylene	10		U
100-42-5	Styrene	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
95-47-6	o-Xylene	10		U
156-60-5	trans-1,2-Dichloroethene	10		U
75-35-4	1,1-Dichloroethene	49		
75-34-3	1,1-Dichloroethane	10		U
56-23-5	Carbon tetrachloride	10		U
78-87-5	1,2-Dichloropropane	10		U

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CASROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix Spike - EPA Sample No.: SOILBLK02 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Benzene	50	0.0	52	104	66 - 142
Trichloroethene	50	0.0	50	100	62 - 137
Toluene	50	0.0	52	104	59 - 139
Chlorobenzene	50	0.0	52	104	60 - 133
1,1-Dichloroethene	50	0.0	51	102	59 - 172

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK02MS

Lab Name: CAS/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBLK MS

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3604.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/26/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
75-00-3	Chloroethane	10	U	
74-83-9	Bromomethane	10	U	
67-64-1	Acetone	10	U	
75-09-2	Methylene chloride	10	U	
75-15-0	Carbon disulfide	10	U	
78-93-3	2-Butanone	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
71-43-2	Benzene	52		
79-01-6	Trichloroethene	50		
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
124-48-1	Dibromochloromethane	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
108-88-3	Toluene	52		
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
108-90-7	Chlorobenzene	52		
100-41-4	Ethylbenzene	10	U	
108-38-3/106-42-3	(m+p)Xylene	10	U	
100-42-5	Styrene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
95-47-6	o-Xylene	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
75-35-4	1,1-Dichloroethene	51		
75-34-3	1,1-Dichloroethane	10	U	
56-23-5	Carbon tetrachloride	10	U	
78-87-5	1,2-Dichloropropane	10	U	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROC Contract: BBLLab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'Matrix Spike - EPA Sample No VBLK01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	47	94	61 - 145
Benzene	50	0.0	45	90	76 - 127
Trichloroethene	50	0.0	44	88	71 - 120
Toluene	50	0.0	45	90	76 - 125
Chlorobenzene	50	0.0	46	92	75 - 130

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK01MS

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2)
 Matrix: (soil/water) WATER Lab Sample ID: VBK MS
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9235.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 09/26/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-35-4	1,1-Dichloroethene	47		
67-64-1	Acetone	5	JB	
75-15-0	Carbon Disulfide	10	U	
75-09-2	Methylene Chloride	1	JB	
156-60-5	trans-1,2-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone (MEK)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	1	J	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbontetrachloride	10	U	
71-43-2	Benzene	45		
79-01-6	Trichloroethene	44		
78-87-5	1,2-Dichloropropane	10	U	
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
108-88-3	Toluene	45		
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
75-25-2	Bromoform	10	U	
127-18-4	Tetrachloroethene	10	U	
591-78-6	2-Hexanone	10	U	
124-48-1	Dibromochloromethane	10	U	
108-90-7	Chlorobenzene	46		
100-41-4	Ethylbenzene	10	U	
1330-20-7	(m+p) Xylene	10	U	
1330-20-7	o-Xylene	10	U	
100-42-5	Styrene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix Spike - EPA Sample No. VBLKMED01 Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	6200	0.0	6200	100	59 - 172
Benzene	6200	0.0	6400	103	66 - 142
Trichloroethene	6200	0.0	6200	100	62 - 137
Toluene	6200	0.0	6400	103	59 - 139
Chlorobenzene	6200	0.0	6400	103	60 - 133

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK MED01MS

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix: (soil/water) SOIL Lab Sample ID: VBK MS
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9204.D
 Level: (low/med) MED Date Received: _____
 % Moisture: not dec. 0 Date Analyzed: 09/25/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1200	U	
75-01-4	Vinyl Chloride	1200	U	
74-83-9	Bromomethane	1200	U	
75-00-3	Chloroethane	1200	U	
75-35-4	1,1-Dichloroethene	6200		
67-64-1	Acetone	1200	U	
75-15-0	Carbon Disulfide	1200	U	
75-09-2	Methylene Chloride	1200	U	
156-60-5	trans-1,2-Dichloroethene	1200	U	
75-34-3	1,1-Dichloroethane	1200	U	
156-59-2	cis-1,2-Dichloroethene	1200	U	
78-93-3	2-Butanone (MEK)	1200	U	
67-66-3	Chloroform	1200	U	
107-06-2	1,2-Dichloroethane	1200	U	
71-55-6	1,1,1-Trichloroethane	1200	U	
56-23-5	Carbontetrachloride	1200	U	
71-43-2	Benzene	6400		
79-01-6	Trichloroethene	6200		
78-87-5	1,2-Dichloropropane	1200	U	
75-27-4	Bromodichloromethane	1200	U	
10061-01-5	cis-1,3-Dichloropropene	1200	U	
108-10-1	4-Methyl-2-pentanone	1200	U	
108-88-3	Toluene	6400		
10061-02-6	trans-1,3-Dichloropropene	1200	U	
79-00-5	1,1,2-Trichloroethane	1200	U	
75-25-2	Bromoform	1200	U	
127-18-4	Tetrachloroethene	1200	U	
591-78-6	2-Hexanone	1200	U	
124-48-1	Dibromochloromethane	1200	U	
108-90-7	Chlorobenzene	6400		
100-41-4	Ethylbenzene	1200	U	
1330-20-7	(m+p) Xylene	1200	U	
1330-20-7	o-Xylene	1200	U	
100-42-5	Styrene	1200	U	
79-34-5	1,1,2,2-Tetrachloroethane	1200	U	

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCContract: BBLLab Code: 10145Case No.: R2-13781

SAS No.: _____

SDG No.: SB-31(0-2'Matrix Spike - EPA Sample No. VBKMED02Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	6200	0.0	5300	85	59 - 172
Benzene	6200	0.0	5300	85	66 - 142
Trichloroethene	6200	0.0	5300	85	62 - 137
Toluene	6200	0.0	5400	87	59 - 139
Chlorobenzene	6200	0.0	5400	87	60 - 133

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK MED02MS

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBK MS

Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9219.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1200	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	1200	U
75-00-3	Chloroethane	1200	U
75-35-4	1,1-Dichloroethene	5300	
67-64-1	Acetone	920	J
75-15-0	Carbon Disulfide	1200	U
75-09-2	Methylene Chloride	1200	U
156-60-5	trans-1,2-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
156-59-2	cis-1,2-Dichloroethene	1200	U
78-93-3	2-Butanone (MEK)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbontetrachloride	1200	U
71-43-2	Benzene	5300	
79-01-6	Trichloroethene	5300	
78-87-5	1,2-Dichloropropane	1200	U
75-27-4	Bromodichloromethane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
108-88-3	Toluene	5400	
10061-02-6	trans-1,3-Dichloropropene	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
75-25-2	Bromoform	1200	U
127-18-4	Tetrachloroethene	1200	U
591-78-6	2-Hexanone	1200	U
124-48-1	Dibromochloromethane	1200	U
108-90-7	Chlorobenzene	5400	
100-41-4	Ethylbenzene	1200	U
1330-20-7	(m+p) Xylene	1200	U
1330-20-7	o-Xylene	1200	U
100-42-5	Styrene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U

COLUMBIA ANALYTICAL SERVICES

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 10/30/02
CAS Order # : 585528 - SB-31 (14-16')
Client : Blasland, Bouck & Lee
ENVIROTEK II PROJECT #580.02.080
Reported Units: %
Run # : 82758

PRECISION

ORIGINAL	DUPLICATE	RPD
76.8	77.4	1

PERCENT SOLIDS

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SOILBLK01

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Lab File ID: A3584.D Lab Sample ID: VLBK
Date Analyzed: 09/25/02 Time Analyzed: 12:15
GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Instrument ID: MSVOA5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SOILBLK01MS	VLBK MS	A3585.D	13:13
02	SB-35(0-2')DL	585513 5.0	A3592.D	17:28
03	SB-34(12-14')	585521 1.0	A3593.D	18:04
04	SB-34(14-16')	585522 1.0	A3594.D	18:40
05	SB-31(0-2')DL	585523 5.0	A3595.D	19:15
06	SB-31(2-4')	585524 1.0	A3596.D	19:50

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK01

Lab Name: CASIROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VLBK

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3584.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
74-83-9	Bromomethane	10	U
67-64-1	Acetone	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
108-38-3/106-42-3	(m+p)Xylene	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
95-47-6	o-Xylene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
78-87-5	1,2-Dichloropropane	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOILBLK01

Lab Name: CASIROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: VLK
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3584.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. 0 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SOILBLK02

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Lab File ID: A3603.D Lab Sample ID: VLBK
Date Analyzed: 09/25/02 Time Analyzed: 23:59
GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Instrument ID: MSVOA5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SOILBLK02MS	VLBK MS	A3604.D	00:34
02	SB-34(10-12')	585520 5.0	A3606.D	01:45
03	SB-35(0-2')	585513 2.0	A3607.D	02:21
04	SB-31(0-2')	585523 1.0	A3608.D	02:57

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOILBLK02

Lab Name: CAS/ROCH Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) SOIL Lab Sample ID: VBLK

Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3603.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/25/02

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
75-00-3	Chloroethane	10	U	
74-83-9	Bromomethane	10	U	
67-64-1	Acetone	10	U	
75-09-2	Methylene chloride	10	U	
75-15-0	Carbon disulfide	10	U	
78-93-3	2-Butanone	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
79-01-6	Trichloroethene	10	U	
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
124-48-1	Dibromochloromethane	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
108-88-3	Toluene	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
108-38-3/106-42-3	(m+p)Xylene	10	U	
100-42-5	Styrene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
95-47-6	o-Xylene	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
56-23-5	Carbon tetrachloride	10	U	
78-87-5	1,2-Dichloropropane	10	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOILBLK02

Lab Name: CAS\ROCH Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2)
Matrix: (soil/water) SOIL Lab Sample ID: VLBK
Sample wt/vol: 5.0 (g/ml) G Lab File ID: A3603.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. 0 Date Analyzed: 09/25/02
GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.19	7	JN

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKMED01

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Lab File ID: Q9203.D Lab Sample ID: VBLK MED
 Date Analyzed: 09/25/02 Time Analyzed: 12:31
 GC Column: HP624 ID: 0.2 (mm) Heated Purge: (Y/N) N
 Instrument ID: MSVOA6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLKMED01MS	VBLK MS	Q9204.D	13:12
02	SB-31(14-16')	585528 125	Q9205.D	15:09
03	SB-31(10-12')	585525 125	Q9207.D	16:30
04	SB-35(10-12')	585515 125	Q9208.D	17:11
05	SB-31(12-14')	585526 125	Q9209.D	17:51
06	SB-35(12-14')	585516 125	Q9213.D	20:32
07	SB-34(10-12')DL	585520 125	Q9214.D	21:13
08	SB-35(2-4')	585514 125	Q9222.D	02:37

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBKMED01

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix: (soil/water) SOIL Lab Sample ID: VBK MED
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9203.D
 Level: (low/med) MED Date Received: _____
 % Moisture: not dec. 0 Date Analyzed: 09/25/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1200	U	
75-01-4	Vinyl Chloride	1200	U	
74-83-9	Bromomethane	1200	U	
75-00-3	Chloroethane	1200	U	
75-35-4	1,1-Dichloroethene	1200	U	
67-64-1	Acetone	1200	U	
75-15-0	Carbon Disulfide	1200	U	
75-09-2	Methylene Chloride	1200	U	
156-60-5	trans-1,2-Dichloroethene	1200	U	
75-34-3	1,1-Dichloroethane	1200	U	
156-59-2	cis-1,2-Dichloroethene	1200	U	
78-93-3	2-Butanone (MEK)	1200	U	
67-66-3	Chloroform	1200	U	
107-06-2	1,2-Dichloroethane	1200	U	
71-55-6	1,1,1-Trichloroethane	1200	U	
56-23-5	Carbontetrachloride	1200	U	
71-43-2	Benzene	1200	U	
79-01-6	Trichloroethene	1200	U	
78-87-5	1,2-Dichloropropane	1200	U	
75-27-4	Bromodichloromethane	1200	U	
10061-01-5	cis-1,3-Dichloropropene	1200	U	
108-10-1	4-Methyl-2-pentanone	1200	U	
108-88-3	Toluene	1200	U	
10061-02-6	trans-1,3-Dichloropropene	1200	U	
79-00-5	1,1,2-Trichloroethane	1200	U	
75-25-2	Bromoform	1200	U	
127-18-4	Tetrachloroethene	1200	U	
591-78-6	2-Hexanone	1200	U	
124-48-1	Dibromochloromethane	1200	U	
108-90-7	Chlorobenzene	1200	U	
100-41-4	Ethylbenzene	1200	U	
1330-20-7	(m+p) Xylene	1200	U	
1330-20-7	o-Xylene	1200	U	
100-42-5	Styrene	1200	U	
79-34-5	1,1,2,2-Tetrachloroethane	1200	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKMED01

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: VBLK MED
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9203.D
Level: (low/med) MED Date Received: _____
% Moisture: not dec. 0 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	1.80	1100	J

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKMED02

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Lab File ID: Q9218.D Lab Sample ID: VBLK MED
Date Analyzed: 09/25/02 Time Analyzed: 23:56
GC Column: HP624 ID: 0.2 (mm) Heated Purge: (Y/N) N
Instrument ID: MSVOA6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLKMED02MS	VBLK MS	Q9219.D	00:37
02	SOURCE COMP.	585512 125	Q9220.D	01:17
03	SB-35(14-16')	585517 125	Q9223.D	03:17
04	SB-34(0-2')	585518 125	Q9224.D	03:58
05	SB-34(2-4')	585519 125	Q9225.D	04:38

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMED02

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Matrix: (soil/water) SOIL Lab Sample ID: VBLK MED
 Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9218.D
 Level: (low/med) MED Date Received: _____
 % Moisture: not dec. 0 Date Analyzed: 09/25/02
 GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	1200	U	
75-01-4	Vinyl Chloride	1200	U	
74-83-9	Bromomethane	1200	U	
75-00-3	Chloroethane	1200	U	
75-35-4	1,1-Dichloroethene	1200	U	
67-64-1	Acetone	1200	U	
75-15-0	Carbon Disulfide	1200	U	
75-09-2	Methylene Chloride	1200	U	
156-60-5	trans-1,2-Dichloroethene	1200	U	
75-34-3	1,1-Dichloroethane	1200	U	
156-59-2	cis-1,2-Dichloroethene	1200	U	
78-93-3	2-Butanone (MEK)	1200	U	
67-66-3	Chloroform	1200	U	
107-06-2	1,2-Dichloroethane	1200	U	
71-55-6	1,1,1-Trichloroethane	1200	U	
56-23-5	Carbontetrachloride	1200	U	
71-43-2	Benzene	1200	U	
79-01-6	Trichloroethene	1200	U	
78-87-5	1,2-Dichloropropane	1200	U	
75-27-4	Bromodichloromethane	1200	U	
10061-01-5	cis-1,3-Dichloropropene	1200	U	
108-10-1	4-Methyl-2-pentanone	1200	U	
108-88-3	Toluene	1200	U	
10061-02-6	trans-1,3-Dichloropropene	1200	U	
79-00-5	1,1,2-Trichloroethane	1200	U	
75-25-2	Bromoform	1200	U	
127-18-4	Tetrachloroethene	1200	U	
591-78-6	2-Hexanone	1200	U	
124-48-1	Dibromochloromethane	1200	U	
108-90-7	Chlorobenzene	1200	U	
100-41-4	Ethylbenzene	1200	U	
1330-20-7	(m+p) Xylene	1200	U	
1330-20-7	o-Xylene	1200	U	
100-42-5	Styrene	1200	U	
79-34-5	1,1,2,2-Tetrachloroethane	1200	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKMED02

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) SOIL Lab Sample ID: VBLK MED
Sample wt/vol: 4.0 (g/ml) G Lab File ID: Q9218.D
Level: (low/med) MED Date Received: _____
% Moisture: not dec. 0 Date Analyzed: 09/25/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Lab File ID: Q9234.D Lab Sample ID: VBLK
Date Analyzed: 09/26/02 Time Analyzed: 10:55
GC Column: HP624 ID: 0.2 (mm) Heated Purge: (Y/N) N
Instrument ID: MSVOA6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK01MS	VBLK MS	Q9235.D	11:35
02	COOLER BLANK	585510 1.0	Q9239.D	14:18
03	TRIP BLANK	585511 1.0	Q9240.D	14:59

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROC Contract: BBL

Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'

Matrix: (soil/water) WATER Lab Sample ID: VBLK

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9234.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/26/02

GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
75-01-4	Vinyl Chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-35-4	1,1-Dichloroethene		10	U
67-64-1	Acetone		5	J
75-15-0	Carbon Disulfide		10	U
75-09-2	Methylene Chloride		1	J
156-60-5	trans-1,2-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
78-93-3	2-Butanone (MEK)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbontetrachloride		10	U
71-43-2	Benzene		10	U
79-01-6	Trichloroethene		10	U
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
108-10-1	4-Methyl-2-pentanone		10	U
108-88-3	Toluene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone		10	U
124-48-1	Dibromochloromethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	(m+p) Xylene		10	U
1330-20-7	o-Xylene		10	U
100-42-5	Styrene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROC Contract: BBL
Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
Matrix: (soil/water) WATER Lab Sample ID: VBLK
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Q9234.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 09/26/02
GC Column: HP624 ID: 0.20 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS\ROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Lab File ID (Standard): A3582.D Date Analyzed: 09/25/02
 Instrument ID: MSVOA5 Time Analyzed: 10:54
 GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

	IS1	RT #	IS2	RT #	IS3	RT #
	AREA #		AREA #		AREA #	
12 HOUR STD	130183	9.53	826347	11.35	761060	16.88
UPPER LIMIT	260366	9.03	1652694	10.85	1522120	16.38
LOWER LIMIT	65092	10.03	413174	11.85	380530	17.38
EPA SAMPLE NO.						
01 SOILBLK01	131643	9.53	779866	11.35	730570	16.89
02 SOILBLK01M	129157	9.53	792437	11.36	730543	16.89
03 SB-35(0-2')DL	103436	9.54	525425	11.36	374441 *	16.89
04 SB-34(12-14')	96673	9.54	599888	11.36	532831	16.90
05 SB-34(14-16')	108670	9.54	684358	11.36	605697	16.90
06 SB-31(0-2')DL	121568	9.53	660583	11.36	516980	16.89
07 SB-31(2-4')	133119	9.53	803430	11.36	714994	16.90

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CASI\ROCH Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2')
 Lab File ID (Standard): A3601.D Date Analyzed: 09/25/02
 Instrument ID: MSVOA5 Time Analyzed: 22:28
 GC Column: DB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	128910	9.54	802381	11.36	737245	16.90
UPPER LIMIT	257820	9.04	1604762	10.86	1474490	16.40
LOWER LIMIT	64455	10.04	401191	11.86	368623	17.40
EPA SAMPLE NO.						
01 SOILBLK02	127564	9.55	792650	11.37	724982	16.90
02 SOILBLK02M	123649	9.54	751416	11.37	687047	16.90
03 SB-34(10-12')	105675	9.55	636529	11.37	476939	16.90
04 SB-35(0-2')	118405	9.55	523465	11.36	320805*	16.91
05 SB-31(0-2')	103247	9.55	501847	11.37	311197*	16.90

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Lab File ID (Standard): Q9201.D Date Analyzed: 09/25/02
 Instrument ID: MSVOA6 Time Analyzed: 11:07
 GC Column: HP624 ID: 0.20 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		460877	5.40	2665208	6.98	2399680	11.56
UPPER LIMIT		921754	5.90	5330416	7.48	4799360	12.06
LOWER LIMIT		230439	4.90	1332604	6.48	1199840	11.06
EPA SAMPLE NO.							
01	VBLKMED01	496446	5.42	2955228	7.00	2844293	11.57
02	VBLKMED01MS	503486	5.42	2928844	7.00	2631834	11.57
03	SB-31(14-16')	476751	5.40	2757945	6.98	2508863	11.56
04	SB-31(10-12')	506554	5.41	2944839	7.00	2851925	11.58
05	SB-35(10-12')	444615	5.41	2913693	6.99	3075321	11.58
06	SB-31(12-14')	633833	5.42	3768351	7.00	3635781	11.58
07	SB-35(12-14')	556415	5.42	3351817	7.00	3089188	11.57
08	SB-34(10-12')DL	516122	5.42	3179586	7.00	3047796	11.57

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2)
 Lab File ID (Standard): Q9216.D Date Analyzed: 09/25/02
 Instrument ID: MSVOA6 Time Analyzed: 22:33
 GC Column: HP624 ID: 0.20 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		621765	5.42	3673538	7.00	3288488	11.57
UPPER LIMIT		1243530	5.92	7347076	7.50	6576976	12.07
LOWER LIMIT		310883	4.92	1836769	6.50	1644244	11.07
EPA SAMPLE NO.							
01	VBLKME D 02	494796	5.42	3007014	6.99	2962261	11.57
02	VBLKME D 02MS	584803	5.43	3450092	7.00	3104633	11.57
03	SOURCE COMP.	456589	5.42	2701230	7.00	2683145	11.57
04	SB-35(2- 4)	499149	5.42	2946109	7.00	2905719	11.57
05	SB-35(14-16')	494165	5.42	2904057	7.00	2862832	11.57
06	SB-34(0-2')	500187	5.42	2874442	7.00	2845248	11.57
07	SB-34(2- 4)	503372	5.42	2962801	6.99	2910277	11.58

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROC Contract: BBL
 Lab Code: 10145 Case No.: R2-13781 SAS No.: _____ SDG No.: SB-31(0-2'
 Lab File ID (Standard): Q9233.D Date Analyzed: 09/26/02
 Instrument ID: MSVOA6 Time Analyzed: 10:12
 GC Column: HP624 ID: 0.20 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		521874	5.42	3017677	6.99	2792387	11.57
UPPER LIMIT		1043748	5.92	6035354	7.49	5584774	12.07
LOWER LIMIT		260937	4.92	1508839	6.49	1396194	11.07
EPA SAMPLE NO.							
01	VBLK01	522065	5.42	2927681	6.99	2526964	11.57
02	VBLK01MS	547005	5.42	3268865	7.00	2932912	11.57
03	COOLER BLANK	446544	5.42	2528802	7.00	2262330	11.57
04	TRIP BLANK	428285	5.43	2446467	7.00	2178621	11.57

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

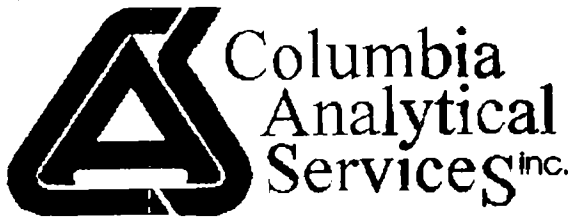
AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

Attachment C

For October 2001
Progress Report



A FULL SERVICE ENVIRONMENTAL LABORATORY

October 15, 2002

Mr. Doug Ruszczyk
Blasland, Bouck & Lee
2800 Sweet Home Rd., Suite 1
Amherst, NY 14228

PROJECT:ENVIROTEK II PROJECT #580.02.080
Submission #:R2213782

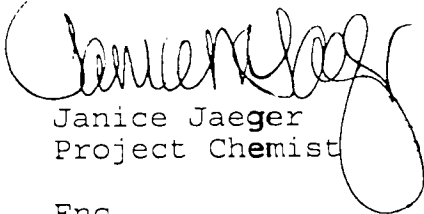
Dear Mr. Ruszczyk

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

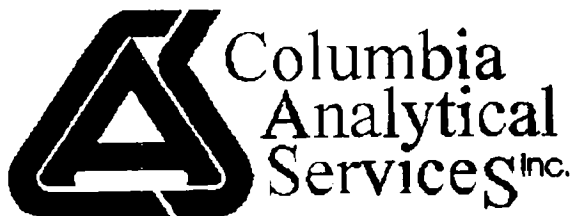
Sincerely,

COLUMBIA ANALYTICAL SERVICES



Janice Jaeger
Project Chemist

Enc.



1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

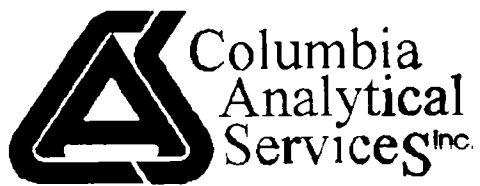
THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Lab Submission # : R2213782
Project Manager : Janice Jaeger
Reported : 10/15/02

Report Contains a total of 46 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. *Michael G. Perry*



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2213782

<u>Lab ID</u>	<u>Client ID</u>
585535	SB-33 (4-6')
585538	SB-33 (6-8')
585539	SB-33 (8-10')
585540	SB-32 (4-6')
585542	SB-32 (6-8')
585544	SB-31 (8-10')
585546	SB-35 (0-2')
585547	SB-35 (2-4')
585548	SB-35 (10-12')
585549	SB-35 (12-14')
585550	SB-35 (14-16')
585551	SB-34 (0-2')
585552	SB-34 (2-4')
585553	SB-34 (10-12')
585554	SB-34 (12-14')
585555	SB-34 (14-16')
585556	SB-31 (0-2')
585557	SB-31 (2-4')
585558	SB-31 (10-12')
585559	SB-31 (12-14')

All samples were received in good condition.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2213782

<u>Lab ID</u>	<u>Client ID</u>
585560	SB-31 (14-16')
585561	SB-31-35 COMP (0-4)
585562	SB-31-35 COMP (4-8')
585563	SB-31-35 COMP (8-12')
585564	SB-31-35 COMP (12-16')
585565	SB-31 COMP (6-16')

All samples were received in good condition.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.



Effective 6/18/2002

ORGANIC QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- X - As specified in Case Narrative.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited

NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292



Effective 6/28/2002

INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- E - The reported value is estimated because of the presence of interference.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited

NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Rhode Island ID # 158
South Carolina ID # 91012
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-33 (4-6')

Date Sampled : 09/17/02 13:20 Order #: 585535 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED : 09/21/02
ANALYTICAL DILUTION: 10.00

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	80	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	96	%
TOLUENE-D8	(71 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	94	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-33 (6-8')

Date Sampled : 09/17/02 13:25 Order #: 585538 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/21/02			
ANALYTICAL DILUTION: 10.00			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	90	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(42 - 149 %)	95	%
TOLUENE-D8	(71 - 128 %)	101	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	94	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-33 (8-10')

Date Sampled : 09/17/02 13:30 Order #: 585539 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/21/02			
ANALYTICAL DILUTION: 10.00			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	1800	UG/L
TRICHLOROETHENE	5.0	52	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	95	%
TOLUENE-D8	(71 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	91	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-32 (4-6')

Date Sampled : 09/17/02 14:45 Order #: 585540 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/21/02			
ANALYTICAL DILUTION: 10.00			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	460	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	95	%
TOLUENE-D8	(71 - 128 %)	102	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	94	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-32 (6-8')

Date Sampled : 09/17/02 14:50 Order #: 585542 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED	: 09/21/02		
ANALYTICAL DILUTION:	1.00		
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	18	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(42 - 149 %)	96	%
TOLUENE-D8	(71 - 128 %)	102	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	96	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31 (8-10')

Date Sampled : 09/18/02 12:35 Order #: 585544 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/02/02			
ANALYTICAL DILUTION: 10.00			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	93	%
TOLUENE-D8	(71 - 128 %)	108	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	94	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-34 (0-2')

Date Sampled : 09/18/02 Order #: 585551 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED : 10/06/02
ANALYTICAL DILUTION: 10.00

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	107	%
TOLUENE-D8	(71 - 128 %)	104	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	103	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-34 (2-4')

Date Sampled : 09/18/02 Order #: 585552 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/06/02			
ANALYTICAL DILUTION: 10.00			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	79	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(42 - 149 %)	107	%
TOLUENE-D8	(71 - 128 %)	104	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	104	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31 (10-12')

Date Sampled : 09/18/02	Order #: 585558	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02	Submission #: R2213782	Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED	: 10/06/02
ANALYTICAL DILUTION:	10.00

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	107	%
TOLUENE-D8	(71 - 128 %)	105	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	105	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP (0-4)

Date Sampled : 09/18/02

Order #: 585561

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/19/02

Submission #: R2213782

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CYANIDE REACTIVITY	9010/9	5.00	5.00 U	MG/KG	10/01/02	09:45	1.0
FLASH POINT	1010.M		>100	°C	09/26/02	11:45	1.0
PH	9040/9	1.00	10.6		09/19/02	15:50	NA
SULFIDE REACTIVITY	9030	20.0	20.0 U	MG/KG	09/30/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP (0-4)

Date Sampled : 09/18/02

Order #: 585561

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/19/02

Submission #: R2213782

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
BARIUM	6010B	1.00	1.00 U	MG/L	10/11/02	1.0
CADMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
CHROMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
LEAD	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
MERCURY	7470A	0.000300	0.00300 U	MG/L	10/11/02	10.0
SELENIUM	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
SILVER	6010B	0.100	0.100 U	MG/L	10/11/02	1.0

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270C TCLP

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP {0-4}

Date Sampled : 09/18/02	Order #: 585561	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02	Submission #: R2213782	Analytical Run 83222

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE EXTRACTED	: 09/27/02
DATE ANALYZED	: 10/01/02
ANALYTICAL DILUTION:	10.00

1,4-DICHLOROBENZENE	10	100 U	UG/L
2,4-DINITROTOLUENE	10	100 U	UG/L
HEXACHLOROBENZENE	10	100 U	UG/L
HEXACHLOROBUTADIENE	10	100 U	UG/L
HEXACHLOROETHANE	10	100 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	10	100 U	UG/L
PENTACHLOROPHENOL	50	500 U	UG/L
PYRIDINE	50	500 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(15 - 135 %)	77	%
NITROBENZENE-D5	(10 - 138 %)	74	%
PHENOL-D6	(11 - 130 %)	30	%
2-FLUOROBIPHENYL	(11 - 112 %)	61	%
2-FLUOROPHENOL	(10 - 130 %)	45	%
2,4,6-TRIBROMOPHENOL	(10 - 130 %)	91	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-31-35 COMP (4-8')

Date Sampled : 09/18/02	Order #: 585562	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02	Submission #: R2213782	

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CYANIDE REACTIVITY	9010/9	5.00	5.00 U	MG/KG	10/01/02	09:45	1.0
FLASH POINT	1010.M		>100	°C	09/26/02	11:45	1.0
PH	9040/9	1.00	8.27		09/19/02	15:50	NA
SULFIDE REACTIVITY	9030	20.0	20.0 U	MG/KG	09/30/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP (4-8')

Date Sampled : 09/18/02

Order #: 585562

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/19/02

Submission #: R2213782

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
BARIUM	6010B	1.00	1.00 U	MG/L	10/11/02	1.0
CADMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
CHROMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
LEAD	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
MERCURY	7470A	0.000300	0.00300 U	MG/L	10/11/02	10.0
SELENIUM	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
SILVER	6010B	0.100	0.100 U	MG/L	10/11/02	1.0

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270C TCLP

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP (4-8')

Date Sampled : 09/18/02 Order #: 585562 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83222

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 09/27/02		
DATE ANALYZED	: 10/01/02		
ANALYTICAL DILUTION:	10.00		
1,4-DICHLOROBENZENE	10	100 U	UG/L
2,4-DINITROTOLUENE	10	100 U	UG/L
HEXACHLOROBENZENE	10	100 U	UG/L
HEXACHLOROBUTADIENE	10	100 U	UG/L
HEXACHLOROETHANE	10	100 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	10	100 U	UG/L
PENTACHLOROPHENOL	50	500 U	UG/L
PYRIDINE	50	500 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(15 - 135 %)	75	%
NITROBENZENE-D5	(10 - 138 %)	63	%
PHENOL-D6	(11 - 130 %)	26	%
2-FLUOROBIPHENYL	(11 - 112 %)	53	%
2-FLUOROPHENOL	(10 - 130 %)	38	%
2,4,6-TRIBROMOPHENOL	(10 - 130 %)	86	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP (8-12')

Date Sampled : 09/18/02

Order #: 585563

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/19/02

Submission #: R2213782

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
CYANIDE REACTIVITY	9010/9	5.00	5.00 U	MG/KG	10/01/02	09:45	1.0
FLASH POINT	1010.M		>100	°C	09/26/02	11:45	1.0
PH	9040/9	1.00	9.58		09/19/02	15:50	NA
SULFIDE REACTIVITY	9030	20.0	20.0 U	MG/KG	09/30/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Client Sample ID : SB-31-35 COMP (8-12')

Date Sampled : 09/18/02
Date Received: 09/19/02

Order #: 585563
Submission #: R2213782

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
BARIUM	6010B	1.00	1.00 U	MG/L	10/11/02	1.0
CADMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
CHROMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
LEAD	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
MERCURY	7470A	0.000300	0.00300 U	MG/L	10/11/02	10.0
SELENIUM	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
SILVER	6010B	0.100	0.100 U	MG/L	10/11/02	1.0

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270C TCLP

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP (8-12')

Date Sampled : 09/18/02 Order #: 585563 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83222

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 09/27/02		
DATE ANALYZED	: 10/01/02		
ANALYTICAL DILUTION:	10.00		
1,4-DICHLOROBENZENE	10	100 U	UG/L
2,4-DINITROTOLUENE	10	100 U	UG/L
HEXACHLOROBENZENE	10	100 U	UG/L
HEXACHLOROBUTADIENE	10	100 U	UG/L
HEXACHLOROETHANE	10	100 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	10	100 U	UG/L
PENTACHLOROPHENOL	50	500 U	UG/L
PYRIDINE	50	500 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(15 - 135 %)	80	%
NITROBENZENE-D5	(10 - 138 %)	72	%
PHENOL-D6	(11 - 130 %)	30	%
2-FLUOROBIPHENYL	(11 - 112 %)	64	%
2-FLUOROPHENOL	(10 - 130 %)	44	%
2,4,6-TRIBROMOPHENOL	(10 - 130 %)	95	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP (12-16')

Date Sampled : 09/18/02

Order #: 585564

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/19/02

Submission #: R2213782

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CYANIDE REACTIVITY	9010/9	5.00	5.00 U	MG/KG	10/01/02	09:45	1.0
FLASH POINT	1010.M		>100	°C	09/26/02	11:45	1.0
PH	9040/9	1.00	10.1		09/19/02	15:50	NA
SULFIDE REACTIVITY	9030	20.0	20.0 U	MG/KG	09/30/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP (12-16')

Date Sampled : 09/18/02

Order #: 585564

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/19/02

Submission #: R2213782

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
BARIUM	6010B	1.00	1.00 U	MG/L	10/11/02	1.0
CADMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
CHROMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
LEAD	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
MERCURY	7470A	0.000300	0.00300 U	MG/L	10/11/02	10.0
SELENIUM	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
SILVER	6010B	0.100	0.100 U	MG/L	10/11/02	1.0

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270C TCLP

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31-35 COMP (12-16')

Date Sampled : 09/18/02 Order #: 585564 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/19/02 Submission #: R2213782 Analytical Run 83222

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 09/27/02		
DATE ANALYZED	: 10/02/02		
ANALYTICAL DILUTION:	10.00		
1,4-DICHLOROBENZENE	10	100 U	UG/L
2,4-DINITROTOLUENE	10	100 U	UG/L
HEXACHLOROBENZENE	10	100 U	UG/L
HEXACHLOROBUTADIENE	10	100 U	UG/L
HEXACHLOROETHANE	10	100 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	10	100 U	UG/L
PENTACHLOROPHENOL	50	500 U	UG/L
PYRIDINE	50	500 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

TERPHENYL-D14	(15 - 135 %)	96	%
NITROBENZENE-D5	(10 - 138 %)	69	%
PHENOL-D6	(11 - 130 %)	30	%
2-FLUOROBIPHENYL	(11 - 112 %)	62	%
2-FLUOROPHENOL	(10 - 130 %)	43	%
2,4,6-TRIBROMOPHENOL	(10 - 130 %)	88	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-31 COMP (6-16')

Date Sampled : 09/18/02

Order #: 585565

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/19/02

Submission #: R2213782

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL ORGANIC CARBON	TOC.LK	300	12900	MG/KG	09/23/02	09:30	1.0

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2213782

Client: Blasland, Bouck & Lee

ENVIROTEK II PROJECT #580.02.080

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
MERCURY	0.000300U	0.0101	0.0100	101	80 - 120	83653	MG/L
ARSENIC	0.500 U	5.05	5.00	101	80 - 120	83679	MG/L
BARIUM	1.00 U	5.42	5.00	108	80 - 120	83679	MG/L
CADMIUM	0.100 U	1.06	1.00	106	80 - 120	83679	MG/L
CHROMIUM	0.100 U	5.17	5.00	103	80 - 120	83679	MG/L
LEAD	0.100 U	5.44	5.00	109	80 - 120	83679	MG/L
SELENIUM	0.500 U	1.01	1.00	101	80 - 120	83679	MG/L
SILVER	0.100 U	5.24	5.00	105	80 - 120	83679	MG/L

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2213782

Client: Blasland, Bouck & Lee

ENVIROTEK II PROJECT #580.02.080

BLANK SPIKES

BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
5.00 U	2.52	32.8	8	0 - 23	83121	MG/KG
20.0 U	98.3	54.5	180	42 - 213	83122	MG/KG

CYANIDE REACTIVITY

SULFIDE REACTIVITY

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2213782

Client: Blasland, Bouck & Lee

ENVIROTEK II PROJECT #580.02.080

BLANK SPIKES

BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
300 U	1860	250	93	80 - 120	82794	MG/KG

TOTAL ORGANIC CARBON

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 589302	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/21/02			
ANALYTICAL DILUTION: 1.00			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
BROMOFLUOROBENZENE	(42 - 149 %)	96	%
TOLUENE-D8	(71 - 128 %)	102	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	95	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 589304	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/01/02			
ANALYTICAL DILUTION: 1.00			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
BROMOFLUOROBENZENE	(42 - 149 %)	98	%
TOLUENE-D8	(71 - 128 %)	101	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	99	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 591519	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 83246

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED : 10/06/02
ANALYTICAL DILUTION: 1.00

BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	102	%
TOLUENE-D8	(71 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	103	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270C TCLP

Reported: 10/15/02

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 589203	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 83222

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE EXTRACTED	: 09/27/02
DATE ANALYZED	: 10/01/02
ANALYTICAL DILUTION:	10.00

1,4-DICHLOROBENZENE	10	100 U	UG/L
2,4-DINITROTOLUENE	10	100 U	UG/L
HEXACHLOROBENZENE	10	100 U	UG/L
HEXACHLOROBUTADIENE	10	100 U	UG/L
HEXACHLOROETHANE	10	100 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	10	100 U	UG/L
PENTACHLOROPHENOL	50	500 U	UG/L
PYRIDINE	50	500 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

TERPHENYL-D14	(15 - 135 %)	85	%
NITROBENZENE-D5	(10 - 138 %)	86	%
PHENOL-D6	(11 - 130 %)	38	%
2-FLUOROBIPHENYL	(11 - 112 %)	73	%
2-FLUOROPHENOL	(10 - 130 %)	54	%
2,4,6-TRIBROMOPHENOL	(10 - 130 %)	108	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCLP

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 589303

ANALYTICAL RUN # : 83246

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED	: 09/21/02		
ANALYTICAL DILUTION:	1.0		
BENZENE	20.0	97	70 - 130
2-BUTANONE (MEK)	20.0	71	50 - 150
CARBON TETRACHLORIDE	20.0	95	70 - 130
CHLOROBENZENE	20.0	102	70 - 130
CHLOROFORM	20.0	97	70 - 130
1,2-DICHLOROETHANE	20.0	91	70 - 130
1,1-DICHLOROETHENE	20.0	93	70 - 130
TETRACHLOROETHENE	20.0	96	70 - 130
TRICHLOROETHENE	20.0	105	70 - 130
VINYL CHLORIDE	20.0	90	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCLP

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 589305

ANALYTICAL RUN # : 83246

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED	: 10/01/02		
ANALYTICAL DILUTION:	1.0		
BENZENE	20.0	94	70 - 130
2-BUTANONE (MEK)	20.0	85	50 - 150
CARBON TETRACHLORIDE	20.0	98	70 - 130
CHLOROBENZENE	20.0	96	70 - 130
CHLOROFORM	20.0	97	70 - 130
1,2-DICHLOROETHANE	20.0	88	70 - 130
1,1-DICHLOROETHENE	20.0	95	70 - 130
TETRACHLOROETHENE	20.0	96	70 - 130
TRICHLOROETHENE	20.0	94	70 - 130
VINYL CHLORIDE	20.0	93	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCLP

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 591520

ANALYTICAL RUN #: 83246

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED	: 10/06/02		
ANALYTICAL DILUTION:	1.0		
BENZENE	20.0	106	70 - 130
2-BUTANONE (MEK)	20.0	107	50 - 150
CARBON TETRACHLORIDE	20.0	108	70 - 130
CHLOROBENZENE	20.0	105	70 - 130
CHLOROFORM	20.0	108	70 - 130
1,2-DICHLOROETHANE	20.0	98	70 - 130
1,1-DICHLOROETHENE	20.0	109	70 - 130
TETRACHLOROETHENE	20.0	106	70 - 130
TRICHLOROETHENE	20.0	117	70 - 130
VINYL CHLORIDE	20.0	110	70 - 130

COLUMBIA ANALYTICAL SERVICESQUALITY CONTROL SUMMARY LABORATORY CONTROL SAMPLE
SOIL/SEDIMENT

Spiked Order No. : 589204

Client ID:

Test: 8270C TCLP

Analytical Units: UG/L

Run Number : 83222

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	BLANK SPIKE		QC LIMITS
			FOUND	% REC.	REC.
1,4-DICHLOROBENZENE	1000	0	450	45	25 - 105
2,4-DINITROTOLUENE	1000	0	700	70	41 - 130
HEXACHLOROBENZENE	1000	0	700	70	45 - 110
HEXACHLOROBUTADIENE	1000	0	380	38	31 - 107
HEXACHLOROETHANE	1000	0	350	35	25 - 92
2-METHYLPHENOL	1000	0	560	56	39 - 98
3+4-METHYLPHENOL	2000	0	1000	50	37 - 99
NITROBENZENE	1000	0	640	64	32 - 103
PENTACHLOROPHENOL	1000	0	640	64	17 - 110
2,4,6-TRICHLOROPHENOL	1000	0	615	61	39 - 106
2,4,5-TRICHLOROPHENOL	1000	0	640	64	40 - 108

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475

PAGE 3 OF 4

SR #

CAS Contact

Project Name ENVIRTEK II		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																																									
Project Manager DOUGLAS M. RUSCZYK		Report CC SAME		PRESERVATIVE																																																									
Company/Address BRASAND, BUCK & LEE, INC. 400 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228		Phone # (716) 689-1544 ext. 11		FAX #		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">NUMBER OF CONTAINERS</td> <td>GC/MS VOA's</td> <td>GC/MS SVOA's</td> <td>GC VOA's</td> <td>PESTICIDES</td> <td>STAR'S LIST</td> <td>STAR'S LIST</td> <td>TCLP</td> <td>AVOA's</td> <td>WASTE CHARACTERIZATION</td> <td>METALS, TOTAL</td> <td>METALS, DISSOLVED</td> <td colspan="2" rowspan="4"> Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____ </td> </tr> <tr> <td>8260</td> <td>824</td> <td>825</td> <td>801/602</td> <td>808</td> <td>8021</td> <td>8270</td> <td>7 METALS</td> <td>React</td> <td>Corros.</td> </tr> <tr> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> </tr> <tr> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> <td>CLP</td> </tr> </table>												NUMBER OF CONTAINERS	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES	STAR'S LIST	STAR'S LIST	TCLP	AVOA's	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____		8260	824	825	801/602	808	8021	8270	7 METALS	React	Corros.	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP
NUMBER OF CONTAINERS	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES	STAR'S LIST	STAR'S LIST	TCLP	AVOA's	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____																																																	
	8260	824	825	801/602	808	8021	8270	7 METALS	React	Corros.																																																			
	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP																																																			
	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP																																																			
Sampler's Signature <i>Shawn P. Skelly</i>		Sampler's Printed Name Shawn P. Skelly		REMARKS/ ALTERNATE DESCRIPTION																																																									
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX																																																									
SB-33 (0'-2')		09/16/02	1310	SOIL	3	X				X (LEACH)	X		LEACH TCLP																																																
SB-33 (2'-4')			1315		3	X				X (LEACH)	X		LEACH TCLP																																																
SB-33 (4'-6')	585.535		1320		3	X (HOLD)				X (HOLD)	X (HOLD)																																																		
SB-33 (6'-8')	538		1325		3	X (HOLD)				X (HOLD)	X (HOLD)																																																		
SB-33 (8'-10')	539		1330		3	X (HOLD)				X (HOLD)	X (HOLD)																																																		
SB-33 (10'-12')			1335		3	X				X (HOLD)	X																																																		
SB-33 (12'-14')			1340		3	X				X (HOLD)	X																																																		
SB-33 (14'-16')			1345		3	X				X (HOLD)	X																																																		

SPECIAL INSTRUCTIONS/COMMENTS

CAS will be notified Thurs. 09/19/02 AM (6-8) & (8-10) off regarding what TCLP samples will need to be leached & analyzed.

TCL voc's - 5 day turnaround

See OAPP ☐ TCLP voc's will be 10 day turnaround

TURNAROUND REQUIREMENTS

RUSH (SURCHARGES APPLY)

24 hr 48 hr 5 day

STANDARD

REQUESTED FAX DATE

REQUESTED REPORT DATE

REPORT REQUIREMENTS

I. Results Only

II. Results + OC Summaries (LCS, DUP, MS/MSD as required)

III. Results + OC and Calibration Summaries

IV. Data Validation Report with Raw Data

V. Specialized Forms / Custom Report

Edata Yes No

INVOICE INFORMATION

PO#

BILL TO:

R2213782

SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 21°C		CUSTODY SEALS: (Y) N	
RELINQUISHED BY <i>Shawn P. Skelly</i> Signature Shawn P. Skelly Printed Name Firm Date/Time	RECEIVED BY <i>Steven DeVito</i> Signature Steven DeVito Printed Name Firm Date/Time	RELINQUISHED BY <i>Steven DeVito</i> Signature Steven DeVito Printed Name Firm Date/Time	RECEIVED BY <i>Gregory A. Esmerian</i> Signature Gregory A. Esmerian Printed Name Firm Date/Time

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475

PAGE 4 OF 4

SR #

CAS Contact

Project Name ENVIROTEK II		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																																			
Project Manager Douglas M. Ruziczek		Report CC Same		PRESERVATIVE																																																			
Company/Address BRASLAND, BRUCK & LEE, INC. 1000 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:5%;">NUMBER OF CONTAINERS</th> <th style="width:10%;">GC/MS VOAs</th> <th style="width:10%;">GC/MS SVOCs</th> <th style="width:10%;">GC/MS VOCs</th> <th style="width:10%;">PESTICIDES</th> <th style="width:10%;">STAR'S LIST PCBs</th> <th style="width:10%;">STAR'S LIST VOCs</th> <th style="width:10%;">TOTAL</th> <th style="width:10%;">GC/MS SVOCs</th> <th style="width:10%;">GC/MS VOCs</th> <th style="width:10%;">PESTICIDES</th> <th style="width:10%;">STAR'S LIST PCBs</th> <th style="width:10%;">STAR'S LIST VOCs</th> <th style="width:10%;">TOTAL</th> <th style="width:10%;">GC/MS SVOCs</th> <th style="width:10%;">GC/MS VOCs</th> <th style="width:10%;">PESTICIDES</th> <th style="width:10%;">STAR'S LIST PCBs</th> <th style="width:10%;">STAR'S LIST VOCs</th> <th style="width:10%;">TOTAL</th> </tr> <tr> <td></td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> </tr> </table>												NUMBER OF CONTAINERS	GC/MS VOAs	GC/MS SVOCs	GC/MS VOCs	PESTICIDES	STAR'S LIST PCBs	STAR'S LIST VOCs	TOTAL	GC/MS SVOCs	GC/MS VOCs	PESTICIDES	STAR'S LIST PCBs	STAR'S LIST VOCs	TOTAL	GC/MS SVOCs	GC/MS VOCs	PESTICIDES	STAR'S LIST PCBs	STAR'S LIST VOCs	TOTAL		☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
NUMBER OF CONTAINERS	GC/MS VOAs	GC/MS SVOCs	GC/MS VOCs	PESTICIDES	STAR'S LIST PCBs	STAR'S LIST VOCs	TOTAL	GC/MS SVOCs	GC/MS VOCs	PESTICIDES	STAR'S LIST PCBs	STAR'S LIST VOCs	TOTAL	GC/MS SVOCs	GC/MS VOCs	PESTICIDES	STAR'S LIST PCBs	STAR'S LIST VOCs	TOTAL																																				
	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒																																				
Phone # (716) 689-1544 ext. 11		FAX#																																																					
Sample # Shawn P. Skelly		Sampler's Printed Name Shawn P. Skelly																																																					
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE TIME		MATRIX																																																	
SB-32 (0'-2')				9/17/02 1435		SOIL																																																	
SB-32 (2'-4')				1440																																																			
SB-32 (4'-6')		585540		1445																																																			
SB-32 (6'-8')		11 542		1450																																																			
SB-32 (8'-10')				1455																																																			
SB-32 (10'-12')				1500																																																			
SB-32 (12'-14')				1505																																																			
SB-32 (14'-16')				1510																																																			
SB-32 (16'-18')				1520																																																			
SPECIAL INSTRUCTIONS/COMMENTS CAS will be notified Thurs. 9/19/02 AM 10:00 AM regarding what TCLP samples will need to be held leached & analyzed. TCL VOC's - 5day turn-around TCLP VOC's will be 10 day turnaround				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report E date Yes No				INVOICE INFORMATION PO# BILL TO: SUBMISSION # R 2213782																																											
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2,100				CUSTODY SEALS: (Y) N																																																			
RELINQUISHED BY Shawn P. Skelly Signature Shawn P. Skelly Printed Name BBL Firm 9/17/02 1900 Date/Time		RECEIVED BY Steven DeVito Signature Steven DeVito Printed Name CAS Firm 9/17/02 1900 Date/Time		RELINQUISHED BY Steven DeVito Signature Steven DeVito Printed Name CAS Firm 9/18/02 8:55 Date/Time		RECEIVED BY Gregory P. Emerian Signature Gregory P. Emerian Printed Name CAS Firm 9-18-02 8:55 Date/Time		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY																																									

Cooler Receipt And Preservation Check Form

Project/Client BB Submission Number R2213782Cooler received on 9-18-02 by: KE COURIER: CAS UPS FEDEX CD&L CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
3. Did all bottles arrive in good condition (unbroken)? YES NO
4. Did any VOA vials have significant air bubbles? YES NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? CAS/ROO, CLIENT
7. Temperature of cooler(s) upon receipt: 2° 1°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 9-18-02 @ 9:05Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: _____ by: _____

1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK

NO = Samples were preserved at lab as listed

PC OK to adjust pH

**If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2			

Other Comments:

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475

PAGE 4 OF

SR #

CAS Contact

Project Name ENNIRSTEK II		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																																																																																																																																																													
Project Manager DOUGLAS M. RUSZCZYK		Report CC SAME		PRESERVATIVE																																																																																																																																																																													
Company/Address BASLAND, BOUCK & LEE, Inc. 1400 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228		Phone # (716) 689-1544 ext. 11		FAX # 		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NUMBER OF CONTAINERS</th> <th>GC/MS VOA's</th> <th>GC/MS SVOA's</th> <th>GC VOA's</th> <th>PESTICIDES/PCB's</th> <th>STAR'S LIST 8081</th> <th>STAR'S LIST 8082</th> <th>TOTAL</th> <th>TCLP</th> <th>SVOA's</th> <th>WASTE CHARACTERIZATION</th> <th>METALS, TOTAL</th> <th>METALS, DISSOLVED</th> <th>OTHER</th> </tr> <tr> <td></td> <td>☒ 8260 ☒ 824 ☒ CLP</td> <td>☒ 8270 ☒ 625 ☒ CLP</td> <td>☒ 8021 ☒ 601/602</td> <td>☒ 8081 ☒ 808</td> <td>☒ CLP ☒ 8082</td> <td>☒ STAR'S LIST 8021</td> <td>☒ VOA's</td> <td>☒ TCLP</td> <td>☒ SVOA's</td> <td>☒ H/P</td> <td>☒ React ☒ Corros.</td> <td>☒ Ignit.</td> <td>☒ DMS</td> </tr> </table>												NUMBER OF CONTAINERS	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES/PCB's	STAR'S LIST 8081	STAR'S LIST 8082	TOTAL	TCLP	SVOA's	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	OTHER		☒ 8260 ☒ 824 ☒ CLP	☒ 8270 ☒ 625 ☒ CLP	☒ 8021 ☒ 601/602	☒ 8081 ☒ 808	☒ CLP ☒ 8082	☒ STAR'S LIST 8021	☒ VOA's	☒ TCLP	☒ SVOA's	☒ H/P	☒ React ☒ Corros.	☒ Ignit.	☒ DMS																																																																																																																																				
NUMBER OF CONTAINERS	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES/PCB's	STAR'S LIST 8081	STAR'S LIST 8082	TOTAL	TCLP	SVOA's	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	OTHER																																																																																																																																																																				
	☒ 8260 ☒ 824 ☒ CLP	☒ 8270 ☒ 625 ☒ CLP	☒ 8021 ☒ 601/602	☒ 8081 ☒ 808	☒ CLP ☒ 8082	☒ STAR'S LIST 8021	☒ VOA's	☒ TCLP	☒ SVOA's	☒ H/P	☒ React ☒ Corros.	☒ Ignit.	☒ DMS																																																																																																																																																																				
Sampler's Signature Shawn P. Stelly		Sampler's Printed Name Shawn P. Stelly		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CLIENT SAMPLE ID</th> <th>FOR OFFICE USE ONLY LAB ID</th> <th>SAMPLING DATE</th> <th>TIME</th> <th>MATRIX</th> <th>GC/MS VOA's</th> <th>GC/MS SVOA's</th> <th>GC VOA's</th> <th>PESTICIDES/PCB's</th> <th>STAR'S LIST 8081</th> <th>STAR'S LIST 8082</th> <th>TOTAL</th> <th>TCLP</th> <th>SVOA's</th> <th>WASTE CHARACTERIZATION</th> <th>METALS, TOTAL</th> <th>METALS, DISSOLVED</th> <th>OTHER</th> </tr> <tr> <td>SB-31 (1-2')</td> <td>585 586</td> <td>09/18/02</td> <td>1215</td> <td>Soil</td> <td>☒ X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ X</td> <td>(LEACH)</td> <td>☒ X</td> <td></td> <td>LEACH TCLP VOA</td> </tr> <tr> <td>SB-31 (2-4')</td> <td>557</td> <td></td> <td>1220</td> <td></td> <td>☒ X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ X</td> <td>(LEACH)</td> <td>☒ X</td> <td></td> <td>LEACH TCLP VOA</td> </tr> <tr> <td>SB-31 (4'-6')</td> <td></td> <td></td> <td>1225</td> <td></td> <td>☒ X</td> <td>(HOLD)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ X</td> <td>(HOLD)</td> <td>☒ X</td> <td>(HOLD)</td> <td></td> </tr> <tr> <td>SB-31 (6'-8')</td> <td></td> <td></td> <td>1230</td> <td></td> <td>☒ X</td> <td>(HOLD)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ X</td> <td>(HOLD)</td> <td>☒ X</td> <td>(HOLD)</td> <td></td> </tr> <tr> <td>SB-31 (8'-10')</td> <td>558</td> <td></td> <td>1235</td> <td></td> <td>☒ X</td> <td>(HOLD)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ X</td> <td>(HOLD)</td> <td>☒ X</td> <td>(HOLD)</td> <td></td> </tr> <tr> <td>SB-31 (10'-12')</td> <td>558</td> <td></td> <td>1240</td> <td></td> <td>☒ X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ X</td> <td>(HOLD)</td> <td>☒ X</td> <td></td> <td></td> </tr> <tr> <td>SB-31 (12'-14')</td> <td>559</td> <td></td> <td>1245</td> <td></td> <td>☒ X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ X</td> <td>(HOLD)</td> <td>☒ X</td> <td></td> <td></td> </tr> <tr> <td>SB-31 (14'-16')</td> <td>560</td> <td></td> <td>1250</td> <td></td> <td>☒ X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ X</td> <td>(HOLD)</td> <td>☒ X</td> <td></td> <td></td> </tr> </table>												CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES/PCB's	STAR'S LIST 8081	STAR'S LIST 8082	TOTAL	TCLP	SVOA's	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	OTHER	SB-31 (1-2')	585 586	09/18/02	1215	Soil	☒ X								☒ X	(LEACH)	☒ X		LEACH TCLP VOA	SB-31 (2-4')	557		1220		☒ X								☒ X	(LEACH)	☒ X		LEACH TCLP VOA	SB-31 (4'-6')			1225		☒ X	(HOLD)							☒ X	(HOLD)	☒ X	(HOLD)		SB-31 (6'-8')			1230		☒ X	(HOLD)							☒ X	(HOLD)	☒ X	(HOLD)		SB-31 (8'-10')	558		1235		☒ X	(HOLD)							☒ X	(HOLD)	☒ X	(HOLD)		SB-31 (10'-12')	558		1240		☒ X								☒ X	(HOLD)	☒ X			SB-31 (12'-14')	559		1245		☒ X								☒ X	(HOLD)	☒ X			SB-31 (14'-16')	560		1250		☒ X								☒ X	(HOLD)	☒ X		
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES/PCB's	STAR'S LIST 8081	STAR'S LIST 8082	TOTAL	TCLP	SVOA's	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	OTHER																																																																																																																																																																
SB-31 (1-2')	585 586	09/18/02	1215	Soil	☒ X								☒ X	(LEACH)	☒ X		LEACH TCLP VOA																																																																																																																																																																
SB-31 (2-4')	557		1220		☒ X								☒ X	(LEACH)	☒ X		LEACH TCLP VOA																																																																																																																																																																
SB-31 (4'-6')			1225		☒ X	(HOLD)							☒ X	(HOLD)	☒ X	(HOLD)																																																																																																																																																																	
SB-31 (6'-8')			1230		☒ X	(HOLD)							☒ X	(HOLD)	☒ X	(HOLD)																																																																																																																																																																	
SB-31 (8'-10')	558		1235		☒ X	(HOLD)							☒ X	(HOLD)	☒ X	(HOLD)																																																																																																																																																																	
SB-31 (10'-12')	558		1240		☒ X								☒ X	(HOLD)	☒ X																																																																																																																																																																		
SB-31 (12'-14')	559		1245		☒ X								☒ X	(HOLD)	☒ X																																																																																																																																																																		
SB-31 (14'-16')	560		1250		☒ X								☒ X	(HOLD)	☒ X																																																																																																																																																																		
SPECIAL INSTRUCTIONS/COMMENTS Metals TCL VOA's - 5 day turnaround TCLP VOA's - 10 day turnaround DO TCLP 8260 extract & hold analysis for SB-31 (8-10), (10-12), & (12-14) as 4/14/02 See QAPP per Doug RUSZCZYK and 9/19/02				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + OC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No				INVOICE INFORMATION PO# BILL TO Same as above SUBMISSION #: R 2213782																																																																																																																																																																					
SAMPLE RECEIPT: CONDITION/COOLER TEMP: <u> </u>				CUSTODY SEALS: Y N																																																																																																																																																																													
RELINQUISHED BY Shawn P. Stelly Signature Shawn P. Stelly Printed Name EBL Firm 9/19/02 0925 Date/Time		RECEIVED BY Gregory O. Esmerian Signature Gregory O. Esmerian Printed Name CAS Firm 9-19-02 9:25 Date/Time		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY																																																																																																																																																																			

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE 2 OF

SR #

CAS Contact

Project Name ENVIRITEK II		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																									
Project Manager DOUGLAS M. RUSZCZYK		Report CC Same		PRESERVATIVE																																									
Company/Address BRASLAND, BUCK & LEE, INC. 1400 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228		Phone # (716) 699-1544 ext. 11		FAX#		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="2">NUMBER OF CONTAINERS</td> <td>GC/MS VOA's</td> <td>GC/MS SVOA's</td> <td>GC VOA's</td> <td>PESTICIDES/PCBs</td> <td>STAR'S LIST 8021 PCB's</td> <td>STAR'S LIST 8021 VOA's</td> <td>TCLP</td> <td>SVOA's</td> <td>WASTE CHARACTERIZATION</td> <td>METALS, TOTAL</td> <td>METALS, DISSOLVED</td> <td>METALS, COMMENTS below</td> <td>METALS, COMMENTS below</td> <td rowspan="2">PRESERVATIVE Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other</td> </tr> <tr> <td>8260 824 CLP</td> <td>8270 825 CLP</td> <td>8021 601/602</td> <td>8081 808 CLP</td> <td>8081 808 CLP</td> <td>8081 808 CLP</td> <td>8081 808 CLP</td> <td>8081 808 CLP</td> <td>8081 808 CLP</td> <td>8081 808 CLP</td> <td>8081 808 CLP</td> <td>8081 808 CLP</td> <td>8081 808 CLP</td> </tr> </table>												NUMBER OF CONTAINERS	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES/PCBs	STAR'S LIST 8021 PCB's	STAR'S LIST 8021 VOA's	TCLP	SVOA's	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	METALS, COMMENTS below	METALS, COMMENTS below	PRESERVATIVE Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other	8260 824 CLP	8270 825 CLP	8021 601/602	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP
NUMBER OF CONTAINERS	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES/PCBs	STAR'S LIST 8021 PCB's														STAR'S LIST 8021 VOA's	TCLP	SVOA's	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	METALS, COMMENTS below	METALS, COMMENTS below	PRESERVATIVE Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other																		
	8260 824 CLP	8270 825 CLP	8021 601/602	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP	8081 808 CLP																																
Sampler's Signature <i>Shawn P. Kelly</i>		Sampler's Printed Name Shawn P. Kelly		REMARKS/ALTERNATE DESCRIPTION																																									
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX																																									
SB-35 (4-2')	585546	9/10/02	0900	Soil	3	X							X (LEACH)	X	LEACH TCLP VOC																														
SB-35 (2-4')	585547		0905		3	X							X (LEACH)	X	LEACH TCLP VOC																														
SB-35 (4-6')			0910		3	X (HOLD)							X (HOLD)	X (HOLD)																															
SB-35 (6-8')			0915		3	X (HOLD)							X (HOLD)	X (HOLD)																															
SB-35 (8-10')			0920		3	X (HOLD)							X (HOLD)	X (HOLD)																															
SB-35 (10-12')	585548		0925		3	X							X (HOLD)	X																															
SB-35 (12-14')	585549		0930		3	X							X (HOLD)	X																															
SB-35 (14-16')	585550		0935		3	X							X (HOLD)	X																															
SPECIAL INSTRUCTIONS/COMMENTS Metals TCL VOC's - 5 day turnaround TCLP VOC's - 10 day turnaround Do TCLP 8260 extraction & hold analysis for SB-35 (10-12), (12-14) & (14-16) as per Doug Ruszczyk 9/19/02					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE					REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No					INVOICE INFORMATION PO# BILL TO: Same as above SUBMISSION #: R2213782																														
SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N					RELINQUISHED BY <i>Shawn P. Kelly</i> Signature Shawn P. Kelly Printed Name BB Firm 9/19/02 0925 Date/Time					RECEIVED BY <i>Gregory P. Esmerion</i> Signature Gregory P. Esmerion Printed Name CAS Firm 9/19/02 9:25 Date/Time					RELINQUISHED BY Signature Printed Name Firm Date/Time					RECEIVED BY Signature Printed Name Firm Date/Time																									

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE 3 OF 3

SR #

CAS Contact

Project Name ENVIROTEK ID		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																									
Project Manager DOUGLAS M. RUSZCZYK		Report CC SAME		PRESERVATIVE																																									
Company/Address BLASAND, BRUCK & LEE, Inc. 1400 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228		Phone # (716) 689-544 ext. 11		FAX #		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NUMBER OF CONTAINERS</th> <th>GC/MS VOAs</th> <th>GC/MS SVOAs</th> <th>GC VOAs</th> <th>PESTICIDES</th> <th>START'S LIST</th> <th>STAR'S LIST</th> <th>TCLP</th> <th>SVOAs</th> <th>WASTE CHARACTERIZATION</th> <th>METALS</th> <th>METALS</th> <th>METALS</th> <th>REMARKS/ALTERNATE DESCRIPTION</th> </tr> <tr> <td></td> <td>☐ 8260 ☐ 624 ☐ CLP</td> <td>☐ 8270 ☐ 625 ☐ CLP</td> <td>☐ 8021 ☐ 601/602</td> <td>☐ 8081 ☐ 608 ☐ CLP ☐ 8082</td> <td>☐ TOTAL ☐ TCLP</td> <td>☐ STAR'S LIST 8021 VOAs</td> <td>☐ TOTAL ☐ TCLP</td> <td>☐ SVOAs ☐ METALS</td> <td>☐ React ☐ SVOAs ☐ HIP</td> <td>☐ React ☐ Corros.</td> <td>☐ Ignit.</td> <td>☐ METALS, TOTAL</td> <td>☐ METALS, DISSOLVED</td> </tr> </table>												NUMBER OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES	START'S LIST	STAR'S LIST	TCLP	SVOAs	WASTE CHARACTERIZATION	METALS	METALS	METALS	REMARKS/ALTERNATE DESCRIPTION		☐ 8260 ☐ 624 ☐ CLP	☐ 8270 ☐ 625 ☐ CLP	☐ 8021 ☐ 601/602	☐ 8081 ☐ 608 ☐ CLP ☐ 8082	☐ TOTAL ☐ TCLP	☐ STAR'S LIST 8021 VOAs	☐ TOTAL ☐ TCLP	☐ SVOAs ☐ METALS	☐ React ☐ SVOAs ☐ HIP	☐ React ☐ Corros.	☐ Ignit.	☐ METALS, TOTAL	☐ METALS, DISSOLVED
NUMBER OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES	START'S LIST													STAR'S LIST	TCLP	SVOAs	WASTE CHARACTERIZATION	METALS	METALS	METALS	REMARKS/ALTERNATE DESCRIPTION																				
	☐ 8260 ☐ 624 ☐ CLP	☐ 8270 ☐ 625 ☐ CLP	☐ 8021 ☐ 601/602	☐ 8081 ☐ 608 ☐ CLP ☐ 8082	☐ TOTAL ☐ TCLP	☐ STAR'S LIST 8021 VOAs	☐ TOTAL ☐ TCLP	☐ SVOAs ☐ METALS	☐ React ☐ SVOAs ☐ HIP	☐ React ☐ Corros.	☐ Ignit.	☐ METALS, TOTAL	☐ METALS, DISSOLVED																																
Sampler's Signature <i>Shawn P. Skelly</i>		Sampler's Printed Name Shawn P. Skelly																																											
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX																																									
SB-34 (1'-2')	585557	09/18/02	1010	SOIL	3	X						X (LEACH)	X	LEACH TCLP VOC																															
SB-34 (2'-4')	585552		1015		3	X						X (LEACH)	X	LEACH TCLP VOC																															
SB-34 (4'-6')			1020		3	X (HOLD)						X (HOLD)	X (HOLD)																																
SB-34 (6'-8')			1025		3	X (HOLD)						X (HOLD)	X (HOLD)																																
SB-34 (8'-10')			1030		3	X (HOLD)						X (HOLD)	X (HOLD)																																
SB-34 (10'-12')	585553		1035		3	X						X (HOLD)	X																																
SB-34 (12'-14')	585554		1040		3	X						X (HOLD)	X																																
SB-34 (14'-16')	585555		1045		3	X						X (HOLD)	X																																
SPECIAL INSTRUCTIONS/COMMENTS TCL VOC's - 5 day turnaround TCLP VOC's - 10 day turnaround Do 8260 TCLP extract & hold analysis for SB-34 (10-12)(12-14) & (14-16) as per Doug Ruszczyk memo 9/19/02					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE					REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No					INVOICE INFORMATION PO# BILL TO Same as above SUBMISSION # R2213782																														
SAMPLE RECEIPT: CONDITION/COOLER TEMP:					CUSTODY SEALS: Y N																																								
RELINQUISHED BY <i>Shawn P. Skelly</i>		RECEIVED BY <i>Gregory P. Emerson</i>		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY																															
Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature																															
Printed Name Shawn P. Skelly		Printed Name Gregory P. Emerson		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name																															
Firm BBL		Firm CAS		Firm		Firm		Firm		Firm		Firm		Firm																															
Date/Time 9/19/02 0925		Date/Time 9-19-02 9:25		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time																															

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Cooler Receipt And Preservation Check Form

Project/Client BBL Submission Number R2-13782Cooler received on 9-19-02 by: HE COURIER: CAS UPS FEDEX CD&L CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
3. Did all bottles arrive in good condition (unbroken)? YES NO
4. Did any VOA vials have significant air bubbles? YES NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? CAS/ROC CLIENT
7. Temperature of cooler(s) upon receipt: 4° 1°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below

No No No No No

Date/Time Temperatures Taken: 9-19-02 @ 9:45Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples

Cooler Breakdown: Date: 9-19-02 by: HE

1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

Explain any discrepancies:

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK

NO = Samples were preserved at lab as listed

PC OK to adjust pH

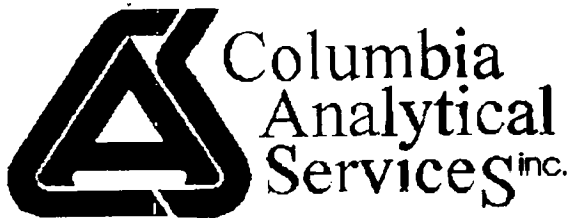
**If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

Other Comments:

Attachment D

For October 2002
Progress Report



A FULL SERVICE ENVIRONMENTAL LABORATORY

October 15, 2002

Mr. Doug Ruszczyk
Blasland, Bouck & Lee
2800 Sweet Home Rd., Suite 1
Amherst, NY 14228

PROJECT:ENVIROTEK II PROJECT #580.02.080
Submission #:R2213746

Dear Mr. Ruszczyk

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

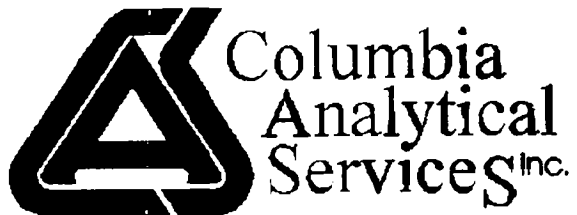
Sincerely,

COLUMBIA ANALYTICAL SERVICES

A handwritten signature in cursive script, appearing to read 'Janice Jaeger', is written over the typed name and title.

Janice Jaeger
Project Chemist

Enc.



1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Blasland, Bouck & Lee
Project Reference: ENVIROTEK II PROJECT #580.02.080
Lab Submission # : R2213746
Project Manager : Janice Jaeger
Reported : 10/15/02

Report Contains a total of 48 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael F. Perry



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2213746

<u>Lab ID</u>	<u>Client ID</u>
584522	SB-36 (0-2')
584523	SB-36 (2-4')
584524	SB-37 (0-2')
584940	SB-36 (4-6')
584941	SB-36 (6-8')
584942	SB-36 (8-10')
584943	SB-37 (4-6')
584944	SB-39 (6-8')
584945	SB-39 (8-10')
584946	SB-39 (0-2')
584947	SB-39 (2-4')
584948	SB-38 (0-2')
584949	SB-38 (2-4')
584950	SB-33 (0-2')
584951	SB-33 (2-4')
584952	SB-32 (0-2')
584953	SB-32 (2-4')
584954	SB-36-SB-39 COMPOSITE (0-4')
584955	SB-36-SB-39 COMPOSITE (4-8')
584956	SB-36-SB-39 COMPOSITE (8-10')

All samples were received in good condition.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2213746

Lab ID

584957

Client ID

SB-38 (6-10' COMPOSITE)

All samples were received in good condition.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.



Effective 6/18/2002

ORGANIC QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- X - As specified in Case Narrative.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited

NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292



Effective 6/28/2002

INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- E - The reported value is estimated because of the presence of interference.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
 Delaware Accredited
 Connecticut ID # PH0556
 Florida ID # E87674
 Massachusetts ID # M-NY032
 Navy Facilities Engineering Service Center Approved
 Nebraska Accredited

NELAP Accredited
 New York ID # 10145
 New Jersey ID # NY004
 New Hampshire ID # 294100 A/B
 Rhode Island ID # 158
 South Carolina ID # 91012
 West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-37 (0-2')

Date Sampled : 09/16/02	Order #: 584524	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/17/02	Submission #: R2213746	Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED	: 10/02/02
ANALYTICAL DILUTION:	10.00

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	100	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	99	%
TOLUENE-D8	(71 - 128 %)	101	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	99	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36 (4-6')

Date Sampled : 09/16/02	Order #: 584940	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/17/02	Submission #: R2213746	Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED	: 09/21/02
ANALYTICAL DILUTION:	10.00

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	98	%
TOLUENE-D8	(71 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	96	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36 (6-8')

Date Sampled : 09/16/02	Order #: 584941	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/17/02	Submission #: R2213746	Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/21/02			
ANALYTICAL DILUTION: 10.00			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(42 - 149 %)	96	%
TOLUENE-D8	(71 - 128 %)	102	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	94	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36 (8-10')

Date Sampled : 09/16/02	Order #: 584942	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/17/02	Submission #: R2213746	Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED	: 09/21/02
ANALYTICAL DILUTION:	10.00

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	97	%
TOLUENE-D8	(71 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	94	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-37 (4-6')

Date Sampled : 09/16/02 Order #: 584943 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/17/02 Submission #: R2213746 Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/21/02			
ANALYTICAL DILUTION: 10.00			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	97	%
TOLUENE-D8	(71 - 128 %)	104	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	95	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-39 (6-8')

Date Sampled : 09/17/02 Order #: 584944 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/18/02 Submission #: R2213746 Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/21/02			
ANALYTICAL DILUTION: 10.00			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	51	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	95	%
TOLUENE-D8	(71 - 128 %)	104	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	94	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-39 (8-10')

Date Sampled : 09/17/02 Order #: 584945 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/18/02 Submission #: R2213746 Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED : 09/21/02
ANALYTICAL DILUTION: 10.00

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	85	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	96	%
TOLUENE-D8	(71 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	94	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-39 (0-2')

Date Sampled : 09/17/02 Order #: 584946 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/18/02 Submission #: R2213746 Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED : 10/02/02
ANALYTICAL DILUTION: 10.00

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	100	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	91	%
TOLUENE-D8	(71 - 128 %)	107	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	91	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-33 (2-4')

Date Sampled : 09/17/02	Order #: 584951	Sample Matrix: SOIL/SEDIMENT
Date Received: 09/18/02	Submission #: R2213746	Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE ANALYZED	: 10/06/02
ANALYTICAL DILUTION:	10.00

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	74	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(42 - 149 %)	104	%
TOLUENE-D8	(71 - 128 %)	102	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	103	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36-SB-39 COMPOSITE {0-4'}

Date Sampled : 09/17/02

Order #: 584954

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/18/02

Submission #: R2213746

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
CYANIDE REACTIVITY	9010/9	5.00	5.00 U	MG/KG	10/01/02	09:45	1.0
FLASH POINT	1010.M		>100	°C	09/26/02	11:45	1.0
PH	9040/9	1.00	8.65		09/18/02	15:30	NA
SULFIDE REACTIVITY	9030	20.0	20.0 U	MG/KG	09/30/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36-SB-39 COMPOSITE (0-4')

Date Sampled : 09/17/02

Order #: 584954

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/18/02

Submission #: R2213746

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
BARIUM	6010B	1.00	1.14	MG/L	10/11/02	1.0
CADMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
CHROMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
LEAD	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
MERCURY	7470A	0.000300	0.00300 U	MG/L	10/11/02	10.0
SELENIUM	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
SILVER	6010B	0.100	0.100 U	MG/L	10/11/02	1.0

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270C TCLP

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36-SB-39 COMPOSITE {0-4'}

Date Sampled : 09/17/02 Order #: 584954 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/18/02 Submission #: R2213746 Analytical Run 83222

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 09/27/02		
DATE ANALYZED	: 10/01/02		
ANALYTICAL DILUTION:	10.00		
1,4-DICHLOROBENZENE	10	100 U	UG/L
2,4-DINITROTOLUENE	10	100 U	UG/L
HEXACHLOROBENZENE	10	100 U	UG/L
HEXACHLOROBUTADIENE	10	100 U	UG/L
HEXACHLOROETHANE	10	100 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	10	100 U	UG/L
PENTACHLOROPHENOL	50	500 U	UG/L
PYRIDINE	50	500 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(15 - 135 %)	84	%
NITROBENZENE-D5	(10 - 138 %)	70	%
PHENOL-D6	(11 - 130 %)	29	%
2-FLUOROBIPHENYL	(11 - 112 %)	61	%
2-FLUOROPHENOL	(10 - 130 %)	43	%
2,4,6-TRIBROMOPHENOL	(10 - 130 %)	95	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36-SB-39 COMPOSITE (4-8')

Date Sampled : 09/17/02

Order #: 584955

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/18/02

Submission #: R2213746

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
CYANIDE REACTIVITY	9010/9	5.00	5.00 U	MG/KG	10/01/02	09:45	1.0
FLASH POINT	1010.M		>100	°C	09/26/02	11:45	1.0
PH	9040/9	1.00	8.67		09/18/02	15:30	NA
SULFIDE REACTIVITY	9030	20.0	20.0 U	MG/KG	09/30/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36-SB-39 COMPOSITE (4-8')

Date Sampled : 09/17/02

Order #: 584955

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/18/02

Submission #: R2213746

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
BARIUM	6010B	1.00	1.00 U	MG/L	10/11/02	1.0
CADMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
CHROMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
LEAD	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
MERCURY	7470A	0.000300	0.00300 U	MG/L	10/11/02	10.0
SELENIUM	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
SILVER	6010B	0.100	0.100 U	MG/L	10/11/02	1.0

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270C TCLP

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36-SB-39 COMPOSITE (4-8')

Date Sampled : 09/17/02 Order #: 584955 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/18/02 Submission #: R2213746 Analytical Run 83222

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 09/27/02		
DATE ANALYZED	: 10/01/02		
ANALYTICAL DILUTION:	10.00		
1,4-DICHLOROBENZENE	10	100 U	UG/L
2,4-DINITROTOLUENE	10	100 U	UG/L
HEXACHLOROBENZENE	10	100 U	UG/L
HEXACHLOROBUTADIENE	10	100 U	UG/L
HEXACHLOROETHANE	10	100 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	10	100 U	UG/L
PENTACHLOROPHENOL	50	500 U	UG/L
PYRIDINE	50	500 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(15 - 135 %)	84	%
NITROBENZENE-D5	(10 - 138 %)	74	%
PHENOL-D6	(11 - 130 %)	31	%
2-FLUOROBIPHENYL	(11 - 112 %)	64	%
2-FLUOROPHENOL	(10 - 130 %)	45	%
2,4,6-TRIBROMOPHENOL	(10 - 130 %)	98	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36-SB-39 COMPOSITE {8-10'}

Date Sampled : 09/17/02

Order #: 584956

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/18/02

Submission #: R2213746

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CYANIDE REACTIVITY	9010/9	5.00	5.00 U	MG/KG	10/01/02	09:45	1.0
FLASH POINT	1010.M		>100	°C	09/26/02	11:45	1.0
PH	9040/9	1.00	10.2		09/18/02	15:30	NA
SULFIDE REACTIVITY	9030	20.0	20.0 U	MG/KG	09/30/02	10:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36-SB-39 COMPOSITE (8-10')

Date Sampled : 09/17/02

Order #: 584956

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/18/02

Submission #: R2213746

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
BARIUM	6010B	1.00	1.00 U	MG/L	10/11/02	1.0
CADMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
CHROMIUM	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
LEAD	6010B	0.100	0.100 U	MG/L	10/11/02	1.0
MERCURY	7470A	0.000300	0.00300 U	MG/L	10/11/02	10.0
SELENIUM	6010B	0.500	0.500 U	MG/L	10/11/02	1.0
SILVER	6010B	0.100	0.100 U	MG/L	10/11/02	1.0

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270C TCLP

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-36-SB-39 COMPOSITE (8-10')

Date Sampled : 09/17/02 Order #: 584956 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/18/02 Submission #: R2213746 Analytical Run 83222

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 09/27/02		
DATE ANALYZED	: 10/01/02		
ANALYTICAL DILUTION:	10.00		
1,4-DICHLOROBENZENE	10	100 U	UG/L
2,4-DINITROTOLUENE	10	100 U	UG/L
HEXACHLOROBENZENE	10	100 U	UG/L
HEXACHLOROBUTADIENE	10	100 U	UG/L
HEXACHLOROETHANE	10	100 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	10	100 U	UG/L
PENTACHLOROPHENOL	50	500 U	UG/L
PYRIDINE	50	500 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(15 - 135 %)	79	%
NITROBENZENE-D5	(10 - 138 %)	59	%
PHENOL-D6	(11 - 130 %)	24	%
2-FLUOROBIPHENYL	(11 - 112 %)	54	%
2-FLUOROPHENOL	(10 - 130 %)	35	%
2,4,6-TRIBROMOPHENOL	(10 - 130 %)	85	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 10/15/02

Blasland, Bouck & Lee

Project Reference: ENVIROTEK II PROJECT #580.02.080

Client Sample ID : SB-38 (6-10' COMPOSITE)

Date Sampled : 09/17/02

Order #: 584957

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/18/02

Submission #: R2213746

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL ORGANIC CARBON	TOC.LK	300	68200	MG/KG	09/23/02	09:30	1.0

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2213746

Client: Blasland, Bouck & Lee

ENVIROTEK II PROJECT #580.02.080

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
MERCURY	0.000300 U	0.0101	0.0100	101	80 - 120	83653	MG/L
ARSENIC	0.500 U	5.05	5.00	101	80 - 120	83679	MG/L
BARIUM	1.00 U	5.42	5.00	108	80 - 120	83679	MG/L
CADMIUM	0.100 U	1.06	1.00	106	80 - 120	83679	MG/L
CHROMIUM	0.100 U	5.17	5.00	103	80 - 120	83679	MG/L
LEAD	0.100 U	5.44	5.00	109	80 - 120	83679	MG/L
SELENIUM	0.500 U	1.01	1.00	101	80 - 120	83679	MG/L
SILVER	0.100 U	5.24	5.00	105	80 - 120	83679	MG/L

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2213746

Client: Blasland, Bouck & Lee

ENVIROTEK II PROJECT #580.02.080

BLANK SPIKES

CYANIDE REACTIVITY

SULFIDE REACTIVITY

BLANK	FOUND _n	ADDED	% REC	LIMITS	RUN	UNITS
5.00 U	2.52	32.8	8	0 - 23	83121	MG/KG
20.0 U	98.3	54.5	180	42 - 213	83122	MG/KG

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2213746

Client: Blasland, Bouck & Lee

ENVIROTEK II PROJECT #580.02.080

BLANK SPIKES

BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
300 U	1860	250	93	80 - 120	82794	MG/KG

TOTAL ORGANIC CARBON

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 586280	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/21/02			
ANALYTICAL DILUTION: 1.00			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
BROMOFLUOROBENZENE	(42 - 149 %)	96	%
TOLUENE-D8	(71 - 128 %)	102	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	95	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 589706	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/01/02			
ANALYTICAL DILUTION: 1.00			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
BROMOFLUOROBENZENE	(42 - 149 %)	98	%
TOLUENE-D8	(71 - 128 %)	101	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	99	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 589708	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/02/02			
ANALYTICAL DILUTION: 1.00			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(42 - 149 %)	99	%
TOLUENE-D8	(71 - 128 %)	101	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	97	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260B TCLP
Reported: 10/15/02

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 591513	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 82851

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/06/02			
ANALYTICAL DILUTION: 1.00			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(42 - 149 %)	102	%
TOLUENE-D8	(71 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(70 - 127 %)	103	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270C TCLP

Reported: 10/15/02

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 589203	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 83222

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/27/02			
DATE ANALYZED : 10/01/02			
ANALYTICAL DILUTION: 10.00			
1,4-DICHLOROBENZENE	10	100 U	UG/L
2,4-DINITROTOLUENE	10	100 U	UG/L
HEXACHLOROBENZENE	10	100 U	UG/L
HEXACHLOROBUTADIENE	10	100 U	UG/L
HEXACHLOROETHANE	10	100 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	10	100 U	UG/L
PENTACHLOROPHENOL	50	500 U	UG/L
PYRIDINE	50	500 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

TERPHENYL-D14	(15 - 135 %)	85	%
NITROBENZENE-D5	(10 - 138 %)	86	%
PHENOL-D6	(11 - 130 %)	38	%
2-FLUOROBIPHENYL	(11 - 112 %)	73	%
2-FLUOROPHENOL	(10 - 130 %)	54	%
2,4,6-TRIBROMOPHENOL	(10 - 130 %)	108	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCLP

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 586281

ANALYTICAL RUN # : 82851

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED	: 09/21/02		
ANALYTICAL DILUTION:	1.0		
BENZENE	20.0	97	70 - 130
2-BUTANONE (MEK)	20.0	71	50 - 150
CARBON TETRACHLORIDE	20.0	95	70 - 130
CHLOROBENZENE	20.0	102	70 - 130
CHLOROFORM	20.0	97	70 - 130
1,2-DICHLOROETHANE	20.0	91	70 - 130
1,1-DICHLOROETHENE	20.0	93	70 - 130
TETRACHLOROETHENE	20.0	96	70 - 130
TRICHLOROETHENE	20.0	105	70 - 130
VINYL CHLORIDE	20.0	90	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCLP

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 589707

ANALYTICAL RUN # : 82851

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED	: 10/01/02		
ANALYTICAL DILUTION:	1.0		
BENZENE	20.0	94	70 - 130
2-BUTANONE (MEK)	20.0	85	50 - 150
CARBON TETRACHLORIDE	20.0	98	70 - 130
CHLOROBENZENE	20.0	96	70 - 130
CHLOROFORM	20.0	97	70 - 130
1,2-DICHLOROETHANE	20.0	88	70 - 130
1,1-DICHLOROETHENE	20.0	95	70 - 130
TETRACHLOROETHENE	20.0	96	70 - 130
TRICHLOROETHENE	20.0	94	70 - 130
VINYL CHLORIDE	20.0	93	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCLP

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 589709

ANALYTICAL RUN # : 82851

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED	: 10/02/02		
ANALYTICAL DILUTION:	1.0		
BENZENE	20.0	104	70 - 130
2-BUTANONE (MEK)	20.0	72	50 - 150
CARBON TETRACHLORIDE	20.0	106	70 - 130
CHLOROBENZENE	20.0	103	70 - 130
CHLOROFORM	20.0	104	70 - 130
1,2-DICHLOROETHANE	20.0	84	70 - 130
1,1-DICHLOROETHENE	20.0	106	70 - 130
TETRACHLOROETHENE	20.0	107	70 - 130
TRICHLOROETHENE	20.0	103	70 - 130
VINYL CHLORIDE	20.0	98	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCLP

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 591514

ANALYTICAL RUN #: 82851

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED	: 10/06/02		
ANALYTICAL DILUTION:	1.0		
BENZENE	20.0	106	70 - 130
2-BUTANONE (MEK)	20.0	107	50 - 150
CARBON TETRACHLORIDE	20.0	108	70 - 130
CHLOROBENZENE	20.0	105	70 - 130
CHLOROFORM	20.0	108	70 - 130
1,2-DICHLOROETHANE	20.0	98	70 - 130
1,1-DICHLOROETHENE	20.0	109	70 - 130
TETRACHLOROETHENE	20.0	106	70 - 130
TRICHLOROETHENE	20.0	117	70 - 130
VINYL CHLORIDE	20.0	110	70 - 130

COLUMBIA ANALYTICAL SERVICESQUALITY CONTROL SUMMARY LABORATORY CONTROL SAMPLE
SOIL/SEDIMENT

Spiked Order No. : 589204

Client ID:

Test: 8270C TCLP

Analytical Units: UG/L

Run Number : 83222

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	BLANK SPIKE		QC LIMITS
			FOUND	% REC.	REC.
1,4-DICHLORO B BENZENE	1000	0	450	45	25 - 105
2,4-DINITROTOLUENE	1000	0	700	70	41 - 130
HEXACHLORO B BENZENE	1000	0	700	70	45 - 110
HEXACHLORO B BUTADIENE	1000	0	380	38	31 - 107
HEXACHLORO E ETHANE	1000	0	350	35	25 - 92
2-METHYL P HENOL	1000	0	560	56	39 - 98
3+4-METHYL P HENOL	2000	0	1000	50	37 - 99
NITROBENZ E NE	1000	0	640	64	32 - 103
PENTACHLORO P HENOL	1000	0	640	64	17 - 110
2,4,6-TRICHLOROPHENOL	1000	0	615	61	39 - 106
2,4,5-TRICHLOROPHENOL	1000	0	640	64	40 - 108

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475

PAGE 1 OF 2

SR #

CAS Contact

Project Name ENVIROTEK II (BBL)		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)												
Project Manager DOUGLAS M. RUSZCZYK		Report CC DOUGLAS M. RUSZCZYK		PRESERVATIVE 0												
Company/Address BLASLAND, BOUCK & LEE, INC. 1400 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228				NUMBER OF CONTAINERS GC/MS VOA's ☒ 8260 ☐ 624 ☐ CLP GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP GC VOA's ☐ 8021 PESTICIDES ☐ 601/602 STAR'S LIST ☐ 808 ☐ CLP ☐ 8082 STAR'S LIST ☐ 8021 VOA's TOTAL ☐ CLP TOTAL ☐ SVOA's TOTAL ☐ CLP TOTAL ☐ METALS WASTE CHARACTERIZATION React ☐ Corros. ☐ Ignit. METALS, TOTAL METALS, DISSOLVED (List in comments below)	Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____											
Phone # (716) 689-1544 ext. 11		FAX#			REMARKS/ ALTERNATE DESCRIPTION											
Sampler's Signature <i>Shawn P. Kelly</i>		Sampler's Printed Name Shawn P. Kelly														
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX												
SB-36 (0-2')	580.02.080	9/16/02	1345	Soil	1	X										
SB-36 (0-2')			1345		1		X (HOLD)									
SB-36 (2'-4')	23		1350		1	X										
SB-36 (2'-4')			1350		1		X (HOLD)									
SB-36 (4'-6')			1355		1	X (HOLD)										
SB-36 (4'-6')			1355		1		X (HOLD)									
SB-36 (6'-8')			1400		1	X (HOLD)										
SB-36 (6'-8')			1400		1		X (HOLD)									
SB-36 (8'-10')			1405		1	X (HOLD)										
SB-36 (8'-10')			1405		1		X (HOLD)									
SPECIAL INSTRUCTIONS/COMMENTS Metals					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr X 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE					REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No					INVOICE INFORMATION 580.02 PO# BILL TO: SAME AS ABOVE R2213746 SUBMISSION #:	
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 50C					CUSTODY SEALS: (Y)											
RELINQUISHED BY <i>Shawn P. Kelly</i> Signature Shawn P. Kelly Printed Name BBL Firm 9/16/02 2130 Date/Time		RECEIVED BY <i>Steven DeVito</i> Signature Steven DeVito Printed Name CAS Firm 9/16/02 2130 Date/Time		RELINQUISHED BY <i>Steven DeVito</i> Signature Steven DeVito Printed Name CAS Firm 9/17/02 910 Date/Time		RECEIVED BY <i>Gregory O. Esmerian</i> Signature Gregory O. Esmerian Printed Name CAS Firm 9-17-02 9:10 Date/Time		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475

PAGE 2 OF 2

SR #

CAS Contact

Project Name ENVIROTEK II (BBL)		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
Project Manager DOUGLAS M. RUSZCZYK		Report CC DOUGLAS M. RUSZCZYK		PRESERVATIVE 0																			
Company/Address BLASLAND, BOUCK & LEE, INC. 1400 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228				NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP GC VOA's ☐ 8021 ☐ 6011602 PESTICIDES/PCB's ☐ 8081 ☐ 608 ☐ CLP STAR'S LIST 8021 VOA's ☐ 8082 STAR'S LIST TCLP VOA's ☐ 8082 TCLP ☐ 8270 SVOA's WASTE CHARACTERIZATION ☐ React ☐ SVOA's ☐ H/P METALS, TOTAL ☐ Cortes ☐ Ignit METALS, DISSOLVED ☐ (List in comments below) PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____																		
Phone # (716) 689-1544 ext. 11		FAX#																					
Sampler's Signature Shawn P. Kelly		Sampler's Printed Name Shawn P. Kelly																					
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID																					
SB-37 (0-2')		580.02.080		SAMPLING DATE 09/16/02		TIME 1505		MATRIX SOIL		1		X											
SB-37 (0-2')						1505				1				X (HOLD)									
SB-37 (4'-6')						1530				1		X (HOLD)											
SB-37 (4'-6')						1530				1				X (HOLD)									
SB-37 (6'-8')						1535				1		X (HOLD)											
SB-37 (6'-8')						1535				1				X (HOLD)									
SB-37 (8'-10')						1540				1		X (HOLD)											
SB-37 (8'-10')						1540				1				X (HOLD)									
TRIP BLANK				09/13/02		1030		WATER		3		X											
SPECIAL INSTRUCTIONS/COMMENTS Metals SB-37 (0-2') off hold for TCLP 8260 analysis as per Doug Ruszczyk LMS 10/1/02														TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ____ 24 hr ____ 48 hr X 5 day ____ STANDARD REQUESTED FAX DATE _____ REQUESTED REPORT DATE _____		REPORT REQUIREMENTS ____ I. Results Only ____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data ____ V. Specialized Forms / Custom Report Edata ____ Yes ____ No		INVOICE INFORMATION 580.02 PO# _____ BILL TO: SAME AS ABOVE R 22 13746 SUBMISSION # _____					
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 50C														CUSTODY SEALS: (Y) N									
RELINQUISHED BY Shawn P. Kelly Signature Shawn P. Kelly Printed Name BBL Firm 09/16/02 2130 Date/Time				RECEIVED BY Steven DeVito Signature Steven DeVito Printed Name CAS Firm 9/16/02 2130 Date/Time				RELINQUISHED BY Steven DeVito Signature Steven DeVito Printed Name CAS Firm 9/16/02 910 Date/Time				RECEIVED BY Gregory D. Esmerian Signature Gregory D. Esmerian Printed Name CAS Firm 9-17-02 9:10 Date/Time				RELINQUISHED BY Signature Printed Name Firm Date/Time				RECEIVED BY Signature Printed Name Firm Date/Time			

Cooler Receipt And Preservation Check Form

Project/Client BBL Submission Number 13746Cooler received on 9-17-02 by: HE COURIER: CAS UPS FEDEX CD&L CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
3. Did all bottles arrive in good condition (unbroken)? YES NO N/A
4. Did any VOA vials have significant air bubbles? YES NO
5. Were Ice or Ice packs present? CAS/ROC CLIENT
6. Where did the bottles originate? 5°
7. Temperature of cooler(s) upon receipt: 5°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below

No No No No No

Date/Time Temperatures Taken: 9-17-02 @ 9:27Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples

Cooler Breakdown: Date: 9-17-02 by: HE

1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

Explain any discrepancies:

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK

NO = Samples were preserved at lab as listed

PC OK to adjust pH

**If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2					

Other Comments:

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE 1 OF 2

SR #

CAS Contact

Project Name ENVIROTEK II (BBL)		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)													
Project Manager DOUGLAS M. RUSZCZYK		Report CC DOUGLAS M. RUSZCZYK		PRESERVATIVE 0													
Company/Address BLASLAND, BOICK & LEE, INC. 1400 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228				NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 824 ☐ CLP ☐ 8270 ☐ 825 ☐ CLP ☐ 8021 ☐ 801/602 PESTICIDES/PCB's ☐ 8081 ☐ 608 ☐ CLP ☐ 8082 TOTAL LIST 8021 VOA's ☐ TOTAL ☐ TCLP TOTAL LIST 8070 VOA's ☐ TCLP ☐ METALS WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ Ignit. METALS TOTAL (List in comments below) METALS DISSOLVED (List in comments below)	Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____											
Phone # (716) 489-1544 ext. 11		FAX#				REMARKS/ ALTERNATE DESCRIPTION											
Sampler's Signature <i>Shawn P. Kelly</i>		Sampler's Printed Name Shawn P. Kelly															
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX													
SB-36 (0-2')		9/16/02	1345	Soil	1 X												
SB-36 (0-2')			1345		1 X (HOLD)												
SB-36 (2'-4')			1350		1 X												
SB-36 (2'-4')			1350		1 X (HOLD)												
SB-36 (4'-6')			1355		1 X (HOLD)												
SB-36 (4'-6')	584940		1355		1 X (HOLD)												
SB-36 (6'-8')	41		1400		1 X (HOLD)												
SB-36 (6'-8')			1400		1 X (HOLD)												
SB-36 (8'-10')			1405		1 X (HOLD)												
SB-36 (8'-10')	452		1405		1 X (HOLD)												
SPECIAL INSTRUCTIONS/COMMENTS Metals Analyze SB-36 (4-6'), (6-8') & (8-10') as per Doug Ruszczyk Ltr 9/18/02					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr X 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No				INVOICE INFORMATION PO# 580.02 BILL TO SAME AS ABOVE R2213740 SUBMISSION #:				
See OAPP ☐																	
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 20C					CUSTODY SEALS (X)												
RELINQUISHED BY <i>Shawn P. Kelly</i> Signature Shawn P. Kelly Printed Name BBL Firm 9/16/02 2:30 Date/Time		RECEIVED BY <i>Steven Dekko</i> Signature Steven Dekko Printed Name CAS Firm 9/16/02 2:30 Date/Time		RELINQUISHED BY <i>Steven Dekko</i> Signature Steven Dekko Printed Name CAS Firm 9/17/02 9:10 Date/Time		RECEIVED BY <i>Gregory O. Esmerian</i> Signature Gregory O. Esmerian Printed Name CAS Firm 9-17-02 9:10 Date/Time		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY			
Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature			
Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name			
Firm		Firm		Firm		Firm		Firm		Firm		Firm		Firm			
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time			

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE 2 OF 2

SR #

CAS Contact

Project Name ENVIRONMENTAL (BBL)		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)													
Project Manager DOUGLAS M. RUSZCZYK		Report CC DOUGLAS M. RUSZCZYK		PRESERVATIVE 0													
Company/Address BLASLAND, BOUCK & LEE, INC.				NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP GC VOA's ☐ 8021 ☐ 601/602 PESTICIDES/PCB's ☐ 8081 ☐ 608 ☐ CLP ☐ 8082 STAR'S LIST 8021 VOA's ☐ TOTAL ☐ TCLP STAR'S LIST 8270 SVOA's ☐ TOTAL ☐ TCLP WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ H/P METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____												
1400 SWEET HOME ROAD, SUITE 1																	
AMHERST, NY 14228																	
Phone # (716) 689-1544 ext 11		FAX#															
Sampler's Signature <i>Shawn P. Kelly</i>		Sampler's Printed Name Shawn P. Kelly		REMARKS/ ALTERNATE DESCRIPTION													
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX													
SB-37 (0-2')		09/16/02	1505	SOIL	1	X											
SB-37 (0-2')			1505		1							X (HOLD)					
SB-37 (4'-6')			1530		1	X (HOLD)											
SB-37 (4'-6')			1530		1							X (HOLD)					
SB-37 (6'-8')			1535		1	X (HOLD)											
SB-37 (6'-8')			1535		1							X (HOLD)					
SB-37 (8'-10')			1540		1	X (HOLD)											
SB-37 (8'-10')			1540		1							X (HOLD)					
TRIP BLANK		09/13/02	1030	WATER	3	X											
SPECIAL INSTRUCTIONS/COMMENTS Metals <i>Analyze SB-37(4-6) as per Doug Ruszczyk JMS 9/18/02</i>					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr ☒ 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + OC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report E data Yes No				INVOICE INFORMATION PO# 580.02 BILL TO: SAME AS ABOVE R2213716 SUBMISSION #:				
					See QAPP ☐												
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 20C					CUSTODY SEALS: ☒ N												
RELINQUISHED BY <i>Shawn P. Kelly</i> Signature Shawn P. Kelly Printed Name BBL Firm 9/16/02 2130 Date/Time		RECEIVED BY <i>Shawn P. Kelly</i> Signature Shawn P. Kelly Printed Name CAS Firm 9/16/02 2130 Date/Time		RELINQUISHED BY <i>Shawn P. Kelly</i> Signature Shawn P. Kelly Printed Name CAS Firm 9/12/02 910 Date/Time		RECEIVED BY <i>Gregory D. Esmerian</i> Signature Gregory D. Esmerian Printed Name CAS Firm 9-17-02 9:10 Date/Time		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY			

Cooler Receipt And Preservation Check Form

Project/Client BBL Submission Number R2-13746

Cooler received on 9-17-02 by: HE COURIER: CAS UPS FEDEX CD&L CLIENT

- Were custody seals on outside of cooler? YES NO
- Were custody papers properly filled out (ink, signed, etc.)? YES NO
- Did **all** bottles arrive in good condition (unbroken)? YES NO
- Did **any** VOA vials have significant air bubbles? YES NO N/A
- Were Ice or Ice packs present? YES NO
- Where did the bottles originate? CAS/ROC CLIENT
- Temperature of cooler(s) upon receipt: 5°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 9-17-02 @ 9:27

Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 9-18-02 by: KMC/BZ/HL

- Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- Did **all** bottle labels and tags agree with custody papers? YES NO
- Were correct containers used for the tests indicated? YES NO
- Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK

NO = Samples were preserved at lab as listed

PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2					

Other Comments: _____

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE 2 OF 4

SR #

CAS Contact

Project Name ENVIROTEK II		Project Number 520.02.020		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																						
Project Manager DOUGLAS M. RUSZCZYK		Report CC SAME		PRESERVATIVE																																						
Company/Address BASAND, BRUCK & LEE, INC. 1400 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228		Phone # (716) 689-1544 ext. 11		FAX#		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);">NUMBER OF CONTAINERS</td> <td>GC/MS VOA's</td> <td>GC/MS SVOA's</td> <td>GC VOA's</td> <td>PESTICIDES</td> <td>STARS LIST</td> <td>STARS LIST</td> <td>TCLP</td> <td>WASTE CHARACTERIZATION</td> <td>METALS TOTAL</td> <td>METALS DISSOLVED</td> <td colspan="2">PRESERVATIVE KEY</td> </tr> <tr> <td>8260 ☐ 624 ☐ CLP</td> <td>8270 ☐ 625 ☐ CLP</td> <td>8021 ☐ 601/602</td> <td>8081 ☐ 608 ☐ CLP</td> <td>8082 ☐ 8021 ☐ VOA's</td> <td>8082 ☐ 8021 ☐ VOA's</td> <td>8082 ☐ 8021 ☐ VOA's</td> <td>8082 ☐ 8021 ☐ VOA's</td> <td>8082 ☐ 8021 ☐ VOA's</td> <td>8082 ☐ 8021 ☐ VOA's</td> <td>8082 ☐ 8021 ☐ VOA's</td> <td> 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO₄ 8. Other </td> </tr> </table>												NUMBER OF CONTAINERS	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES	STARS LIST	STARS LIST	TCLP	WASTE CHARACTERIZATION	METALS TOTAL	METALS DISSOLVED	PRESERVATIVE KEY		8260 ☐ 624 ☐ CLP	8270 ☐ 625 ☐ CLP	8021 ☐ 601/602	8081 ☐ 608 ☐ CLP	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other
NUMBER OF CONTAINERS	GC/MS VOA's	GC/MS SVOA's	GC VOA's	PESTICIDES	STARS LIST														STARS LIST	TCLP	WASTE CHARACTERIZATION	METALS TOTAL	METALS DISSOLVED	PRESERVATIVE KEY																		
	8260 ☐ 624 ☐ CLP	8270 ☐ 625 ☐ CLP	8021 ☐ 601/602	8081 ☐ 608 ☐ CLP	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	8082 ☐ 8021 ☐ VOA's	0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other																														
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name Shawn P. Skelly		REMARKS/ ALTERNATE DESCRIPTION																																						
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX																																						
SB-39 (0-2')	5849476	09/16/02	0920	Soils	3	X					X (LEACH)	X	LEACH TCLP ONLY																													
SB-39 (2'-4')	5849477		0923		3	X					X (LEACH)	X	LEACH TCLP ONLY																													
SB-39 (4'-6')			0927		3	X (HOLD)					X (HOLD)	X (HOLD)	HOLD VOC & TCLP & DWPS																													
SB-39 (6'-8')	5849478		0933		3	X (HOLD)					X	X	HOLD VOA																													
SB-39 (8'-10')			0938		3	X (HOLD)					X	X	HOLD VOA																													
SB-39 (0-2')	5849479		1010		3	X					X (LEACH)	X	LEACH TCLP ONLY																													
SB-39 (2'-4')	5849480		1015		3	X					X (LEACH)	X	LEACH TCLP ONLY																													
SB-39 (4'-6')			1020		3	X (HOLD)					X (HOLD)	X (HOLD)	HOLD VOC & TCLP & DWPS																													
SB-39 (6'-8')			1025		3	X (HOLD)					X (HOLD)	X (HOLD)																														
SB-39 (8'-10')			1035		3	X (HOLD)					X (HOLD)	X (HOLD)																														
SPECIAL INSTRUCTIONS/COMMENTS Metals TCL VOC's - 5 day turnaround TCLP VOC's - 10 day turnaround SB-39(0-2') off hold for TCLP 8260 analysis as per Doug RUSZCZYK 10/1/02					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + OC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No				INVOICE INFORMATION PO# BILL TO: SUBMISSION #: R2213746																													
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2, 10C					CUSTODY SEALS: Y N																																					
RELINQUISHED BY <i>[Signature]</i> Shawn P. Skelly		RECEIVED BY <i>[Signature]</i> Steven Delibato		RELINQUISHED BY <i>[Signature]</i> Steven Delibato		RECEIVED BY <i>[Signature]</i> Gregory O. Esmerian		RELINQUISHED BY		RECEIVED BY																																
Printed Name BBL		Printed Name CAS		Printed Name CAS		Printed Name CAS		Printed Name		Printed Name																																
Firm BBL		Firm CAS		Firm CAS		Firm CAS		Firm		Firm																																
Date/Time 9/17/02 1900		Date/Time 9/17/02 1900		Date/Time 9/18/02 8:55		Date/Time 9/18/02 8:55		Date/Time		Date/Time																																

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE 3 OF 4

SR #

CAS Contact

Project Name ENVIRTEK II		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)															
Project Manager DOUGLAS M. RUSZCZYK		Report CC SAME		PRESERVATIVE															
Company/Address BUSLAND, BONICK & LEE, INC. 400 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228				NUMBER OF CONTAINERS	GC/MS VOA's 8260 ☐ 624 ☐ CLP GC/MS SVOA's 8270 ☐ 625 ☐ CLP GC VOA's 8021 ☐ 601/602 PESTICIDES/PCB's 8081 ☐ 608 ☐ CLP ☐ 8082 STAR'S LIST 8021 VOA's ☐ TOTAL ☐ TCLP STAR'S LIST 8270 SVOA's ☐ TOTAL ☐ TCLP TCLP ☐ METALS 80 VOA's ☐ SVOA's ☐ H/P WASTE CHARACTERIZATION ☐ React ☐ Corros ☐ Ignit. METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) DWPB Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____														
Phone # (716) 689-1544 ext. 11		FAX#		Sampler's Signature Shawn P. Skelly Sampler's Printed Name Shawn P. Skelly															
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID														SAMPLING DATE TIME		MATRIX	
SB-33 (0'-2')		584930		09/11/02 1310		SOIL		3 X X (LEACH) X LEACH TCLP											
SB-33 (2'-4')		31		1315		3 X		3 X X (LEACH) X LEACH TCLP											
SB-33 (4'-6')				1320		3 X (HOLD)		3 X (HOLD) X (HOLD) X (HOLD)											
SB-33 (6'-8')				1325		3 X (HOLD)		3 X (HOLD) X (HOLD) X (HOLD)											
SB-33 (8'-10')				1330		3 X (HOLD)		3 X (HOLD) X (HOLD) X (HOLD)											
SB-33 (10'-12')				1335		3 X		3 X X (HOLD) X											
SB-33 (12'-14')				1340		3 X		3 X X (HOLD) X											
SB-33 (14'-16')				1345		3 X		3 X X (HOLD) X											
SPECIAL INSTRUCTIONS/COMMENTS Metals CAS will be notified Thurs. 09/19/02 AM regarding what TCLP samples will need to be leached & analyzed. TCL VOC's - 5 day turnaround See OAPP ☐ TCLP VOC's will be 10 day turnaround				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + OC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No				INVOICE INFORMATION PO# BILL TO: SUBMISSION #: R2213746							
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 20/19C				CUSTODY SEALS (Y) N															
RELINQUISHED BY Shawn P. Skelly Signature Shawn P. Skelly Printed Name BBL Date/Time 9/11/02 1900		RECEIVED BY Shawn P. Skelly Signature Shawn P. Skelly Printed Name CAS Firm 9/12/02 1900 Date/Time		RELINQUISHED BY Shawn P. Skelly Signature Shawn P. Skelly Printed Name CAS Firm 9/14/02 855 Date/Time		RECEIVED BY Shawn P. Skelly Signature Shawn P. Skelly Printed Name CAS Firm 9/18-02 8:55 Date/Time		RELINQUISHED BY Shawn P. Skelly Signature Shawn P. Skelly Printed Name CAS Firm 9/18-02 8:55 Date/Time		RECEIVED BY Shawn P. Skelly Signature Shawn P. Skelly Printed Name CAS Firm 9/18-02 8:55 Date/Time		RELINQUISHED BY Shawn P. Skelly Signature Shawn P. Skelly Printed Name CAS Firm 9/18-02 8:55 Date/Time		RECEIVED BY Shawn P. Skelly Signature Shawn P. Skelly Printed Name CAS Firm 9/18-02 8:55 Date/Time					

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE 4 OF 4

SR #

CAS Contact

Project Name ENVIROTEK II		Project Number 580.02.080		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																																																																																																																																							
Project Manager DOUGLAS M. RUSSELL		Report CC SAME		PRESERVATIVE																																																																																																																																																							
Company/Address BRAND, BUCK & CO, INC. 100 SWEET HOME ROAD, SUITE 1 AMHERST, NY 14228		Phone # (716) 689-1544 ext. 11		FAX#		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NUMBER OF CONTAINERS</th> <th>GC/MS VOAs</th> <th>GC/MS SVOCs</th> <th>GC VOAs</th> <th>PESTICIDES</th> <th>STAR'S LIST</th> <th>STAR'S LIST</th> <th>TOTAL</th> <th>TOTAL</th> <th>SVOCs</th> <th>WASTE CHARACTERIZATION</th> <th>METALS, TOTAL</th> <th>METALS, DISSOLVED</th> </tr> <tr> <td></td> <td>8260 ☐ 624 ☐ CLP</td> <td>8270 ☐ 625 ☐ CLP</td> <td>8021 ☐ 601/602</td> <td>8081 ☐ 608 ☐ CLP</td> <td>8082 ☐ 608 ☐ CLP</td> <td>8082 ☐ 608 ☐ CLP</td> <td>8082 ☐ 608 ☐ CLP</td> <td>8082 ☐ 608 ☐ CLP</td> <td>8082 ☐ 608 ☐ CLP</td> <td>8082 ☐ 608 ☐ CLP</td> <td>8082 ☐ 608 ☐ CLP</td> <td>8082 ☐ 608 ☐ CLP</td> </tr> </table>												NUMBER OF CONTAINERS	GC/MS VOAs	GC/MS SVOCs	GC VOAs	PESTICIDES	STAR'S LIST	STAR'S LIST	TOTAL	TOTAL	SVOCs	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED		8260 ☐ 624 ☐ CLP	8270 ☐ 625 ☐ CLP	8021 ☐ 601/602	8081 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP																																																																																																																
NUMBER OF CONTAINERS	GC/MS VOAs	GC/MS SVOCs	GC VOAs	PESTICIDES	STAR'S LIST													STAR'S LIST	TOTAL	TOTAL	SVOCs	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED																																																																																																																																			
	8260 ☐ 624 ☐ CLP	8270 ☐ 625 ☐ CLP	8021 ☐ 601/602	8081 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP	8082 ☐ 608 ☐ CLP																																																																																																																																															
Sampler's Signature <i>Shawn P. Skelly</i>		Sampler's Printed Name Shawn P. Skelly		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CLIENT SAMPLE ID</th> <th>FOR OFFICE USE ONLY LAB ID</th> <th>SAMPLING DATE</th> <th>TIME</th> <th>MATRIX</th> <th colspan="8"></th> <th>REMARKS/ ALTERNATE DESCRIPTION</th> </tr> <tr> <td>SB-32 (0'-2')</td> <td>580452</td> <td>09/17/02</td> <td>1435</td> <td>SOIL</td> <td>3</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X (LEACH)</td> <td>X</td> <td>LEACH KLP</td> </tr> <tr> <td>SB-32 (2'-4')</td> <td>580453</td> <td></td> <td>1440</td> <td></td> <td>3</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X (LEACH)</td> <td>X</td> <td>LEACH KLP</td> </tr> <tr> <td>SB-32 (4'-6')</td> <td></td> <td></td> <td>1445</td> <td></td> <td>3</td> <td>X (HOLD)</td> <td></td> <td></td> <td></td> <td>X (HOLD)</td> <td>X (HOLD)</td> <td></td> <td></td> </tr> <tr> <td>SB-32 (6'-8')</td> <td></td> <td></td> <td>1450</td> <td></td> <td>3</td> <td>X (HOLD)</td> <td></td> <td></td> <td></td> <td>X (HOLD)</td> <td>X (HOLD)</td> <td></td> <td></td> </tr> <tr> <td>SB-32 (8'-10')</td> <td></td> <td></td> <td>1455</td> <td></td> <td>3</td> <td>X (HOLD)</td> <td></td> <td></td> <td></td> <td>X (HOLD)</td> <td>X (HOLD)</td> <td></td> <td></td> </tr> <tr> <td>SB-32 (10'-12')</td> <td></td> <td></td> <td>1500</td> <td></td> <td>3</td> <td>X</td> <td></td> <td></td> <td></td> <td>X (HOLD)</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>SB-32 (12'-14')</td> <td></td> <td></td> <td>1505</td> <td></td> <td>3</td> <td>X (HOLD)</td> <td></td> <td></td> <td></td> <td>X (HOLD)</td> <td>X (HOLD)</td> <td></td> <td>Cancelled as per Doug R. Jmy 9/18/02</td> </tr> <tr> <td>SB-32 (14'-16')</td> <td></td> <td></td> <td>1510</td> <td></td> <td>3</td> <td>X</td> <td></td> <td></td> <td></td> <td>X (HOLD)</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>SB-32 (16'-18')</td> <td></td> <td></td> <td>1520</td> <td></td> <td>3</td> <td>X</td> <td></td> <td></td> <td></td> <td>X (HOLD)</td> <td>X</td> <td></td> <td></td> </tr> </table>												CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX									REMARKS/ ALTERNATE DESCRIPTION	SB-32 (0'-2')	580452	09/17/02	1435	SOIL	3	X					X (LEACH)	X	LEACH KLP	SB-32 (2'-4')	580453		1440		3	X					X (LEACH)	X	LEACH KLP	SB-32 (4'-6')			1445		3	X (HOLD)				X (HOLD)	X (HOLD)			SB-32 (6'-8')			1450		3	X (HOLD)				X (HOLD)	X (HOLD)			SB-32 (8'-10')			1455		3	X (HOLD)				X (HOLD)	X (HOLD)			SB-32 (10'-12')			1500		3	X				X (HOLD)	X			SB-32 (12'-14')			1505		3	X (HOLD)				X (HOLD)	X (HOLD)		Cancelled as per Doug R. Jmy 9/18/02	SB-32 (14'-16')			1510		3	X				X (HOLD)	X			SB-32 (16'-18')			1520		3	X				X (HOLD)	X		
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX									REMARKS/ ALTERNATE DESCRIPTION																																																																																																																																														
SB-32 (0'-2')	580452	09/17/02	1435	SOIL	3	X					X (LEACH)	X	LEACH KLP																																																																																																																																														
SB-32 (2'-4')	580453		1440		3	X					X (LEACH)	X	LEACH KLP																																																																																																																																														
SB-32 (4'-6')			1445		3	X (HOLD)				X (HOLD)	X (HOLD)																																																																																																																																																
SB-32 (6'-8')			1450		3	X (HOLD)				X (HOLD)	X (HOLD)																																																																																																																																																
SB-32 (8'-10')			1455		3	X (HOLD)				X (HOLD)	X (HOLD)																																																																																																																																																
SB-32 (10'-12')			1500		3	X				X (HOLD)	X																																																																																																																																																
SB-32 (12'-14')			1505		3	X (HOLD)				X (HOLD)	X (HOLD)		Cancelled as per Doug R. Jmy 9/18/02																																																																																																																																														
SB-32 (14'-16')			1510		3	X				X (HOLD)	X																																																																																																																																																
SB-32 (16'-18')			1520		3	X				X (HOLD)	X																																																																																																																																																
SPECIAL INSTRUCTIONS/COMMENTS Metals CAS will be notified Thurs. 09/19/02 AM regarding what TCLP samples will need to be leached & analyzed. TCL VOC's - 5day turn-around See OAPP ☐ TCLP VOC's will be 10 day turnaround					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE					REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No					INVOICE INFORMATION PO# BILL TO: SUBMISSION # 322137460																																																																																																																																												
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2100					CUSTODY SEALS: Y N																																																																																																																																																						
RELINQUISHED BY <i>Shawn P. Skelly</i> Printed Name Shawn P. Skelly Firm BBL Date/Time 9/17/02 1900		RECEIVED BY <i>Shawn P. Skelly</i> Printed Name Shawn P. Skelly Firm CAS Date/Time 9/17/02 1900		RELINQUISHED BY <i>Shawn P. Skelly</i> Printed Name Shawn P. Skelly Firm CAS Date/Time 9/17/02 1900		RECEIVED BY <i>Shawn P. Skelly</i> Printed Name Shawn P. Skelly Firm CAS Date/Time 9/17/02 1900		RELINQUISHED BY <i>Shawn P. Skelly</i> Printed Name Shawn P. Skelly Firm CAS Date/Time 9/17/02 1900		RECEIVED BY <i>Shawn P. Skelly</i> Printed Name Shawn P. Skelly Firm CAS Date/Time 9/17/02 1900		RELINQUISHED BY <i>Shawn P. Skelly</i> Printed Name Shawn P. Skelly Firm CAS Date/Time 9/17/02 1900		RECEIVED BY <i>Shawn P. Skelly</i> Printed Name Shawn P. Skelly Firm CAS Date/Time 9/17/02 1900																																																																																																																																													

Cooler Receipt And Preservation Check Form

Project/Client BBL Submission Number R2-13746

Cooler received on 9-18-02 by: KE COURIER: CAS UPS FEDEX CD&L CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
3. Did all bottles arrive in good condition (unbroken)? YES NO
4. Did any VOA vials have significant air bubbles? YES NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? CAS/ROC, CLIENT
7. Temperature of cooler(s) upon receipt: 2° 1°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 9-18-02 @ 9:05

Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples

Cooler Breakdown: Date: 9/18/02 by: BL/HL/KME

1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK

NO = Samples were preserved at lab as listed

PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2			

Other Comments:

Attachment E

For Oct 2002 Progress Report

SAME AS
APPENDIX D
IRM WORK PLAN
Nov 2002

Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Blasland, Bouck & Lee, Inc**

Client Job Site: Envirotek II Site
 IRM
 Client Job Number: 580.02.082
 Field Location: Boring A Comp
 Field ID Number: N/A
 Sample Type: Soil

Lab Project Number: 02-2397
 Lab Sample Number: 8639
 Date Sampled: 09/16/2002
 Date Received: 09/19/2002
 Date Analyzed: 09/24/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.9
Bromomethane	ND< 10.9
Bromoform	ND< 10.9
Carbon tetrachloride	ND< 10.9
Chloroethane	ND< 10.9
Chloromethane	ND< 10.9
2-Chloroethyl vinyl ether	ND< 10.9
Chloroform	ND< 10.9
Dibromochloromethane	ND< 10.9
1,1-Dichloroethane	21.6
1,2-Dichloroethane	ND< 10.9
1,1-Dichloroethene	ND< 10.9
cis-1,2-Dichloroethene	159
trans-1,2-Dichloroethene	ND< 10.9
1,2-Dichloropropane	ND< 10.9
cis-1,3-Dichloropropene	ND< 10.9
trans-1,3-Dichloropropene	ND< 10.9
Methylene chloride	ND< 27.3
1,1,2,2-Tetrachloroethane	ND< 10.9
Tetrachloroethene	13.7
1,1,1-Trichloroethane	ND< 10.9
1,1,2-Trichloroethane	ND< 10.9
Trichloroethene	ND< 10.9
Trichlorofluoromethane	ND< 10.9
Vinyl Chloride	ND< 10.9

ELAP Number 10958

Method: EPA 8260B

Aromatics	Results in ug / Kg
Benzene	ND< 10.9
Chlorobenzene	ND< 10.9
Ethylbenzene	ND< 10.9
Toluene	26.1
m,p - Xylene	14.7
o - Xylene	ND< 10.9
Styrene	ND< 10.9
1,2-Dichlorobenzene	ND< 10.9
1,3-Dichlorobenzene	ND< 10.9
1,4-Dichlorobenzene	ND< 10.9

Ketones	Results in ug / Kg
Acetone	ND< 54.7
2-Butanone	ND< 27.3
2-Hexanone	ND< 27.3
4-Methyl-2-pentanone	ND< 27.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 27.3
Vinyl acetate	ND< 27.3

Data File: 61861.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Blasland, Bouck & Lee, Inc**

Client Job Site: Envirotek II Site
 IRM
 Client Job Number: 580.02.082
 Field Location: Boring A Comp
 Field ID Number: N/A
 Sample Type: Soil

Lab Project Number: 02-2397
 Lab Sample Number: 8639
 Date Sampled: 09/16/2002
 Date Received: 09/19/2002
 Date Analyzed: 09/25/2002

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 1,770	Dibenz (a,h) anthracene	ND< 1,770
Anthracene	ND< 1,770	Fluoranthene	4,820
Benzo (a) anthracene	ND< 1,770	Fluorene	ND< 1,770
Benzo (a) pyrene	ND< 1,770	Indeno (1,2,3-cd) pyrene	ND< 1,770
Benzo (b) fluoranthene	ND< 1,770	Naphthalene	ND< 1,770
Benzo (g,h,i) perylene	ND< 1,770	Phenanthrene	3,570
Benzo (k) fluoranthene	ND< 1,770	Pyrene	4,080
Chrysene	1,950	Acenaphthylene	ND< 1,770
Diethyl phthalate	ND< 1,770	1,2-Dichlorobenzene	ND< 1,770
Dimethyl phthalate	ND< 4,410	1,3-Dichlorobenzene	ND< 1,770
Butylbenzylphthalate	ND< 1,770	1,4-Dichlorobenzene	ND< 1,770
Di-n-butyl phthalate	ND< 1,770	1,2,4-Trichlorobenzene	ND< 1,770
Di-n-octylphthalate	ND< 1,770	Nitrobenzene	ND< 1,770
Bis (2-ethylhexyl) phthalate	5,410	2,4-Dinitrotoluene	ND< 1,770
2-Chloronaphthalene	ND< 1,770	2,6-Dinitrotoluene	ND< 1,770
Hexachlorobenzene	ND< 1,770	Bis (2-chloroethyl) ether	ND< 1,770
Hexachloroethane	ND< 1,770	Bis (2-chloroisopropyl) ether	ND< 1,770
Hexachlorocyclopentadiene	ND< 1,770	Bis (2-chloroethoxy) methane	ND< 1,770
Hexachlorobutadiene	ND< 1,770	4-Bromophenyl phenyl ether	ND< 1,770
N-Nitroso-di-n-propylamine	ND< 1,770	4-Chlorophenyl phenyl ether	ND< 1,770
N-Nitrosodiphenylamine	ND< 1,770	Benzidine	ND< 4,410
N-Nitrosodimethylamine	ND< 1,770	3,3'-Dichlorobenzidine	ND< 1,770
Isophorone	ND< 1,770	4-Chloroaniline	ND< 1,770
Benzyl alcohol	ND< 4,410	2-Nitroaniline	ND< 4,410
Dibenzofuran	ND< 1,770	3-Nitroaniline	ND< 4,410
2-Methylnaphthalene	ND< 1,770	4-Nitroaniline	ND< 4,410

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 1,770	2-Methylphenol	ND< 1,770
2-Chlorophenol	ND< 1,770	4-Methylphenol	ND< 1,770
2,4-Dichlorophenol	ND< 1,770	2,4-Dimethylphenol	ND< 1,770
2,6-Dichlorophenol	ND< 1,770	2-Nitrophenol	ND< 1,770
2,4,5-Trichlorophenol	ND< 4,410	4-Nitrophenol	ND< 4,410
2,4,6-Trichlorophenol	ND< 1,770	2,4-Dinitrophenol	ND< 1,770
Pentachlorophenol	ND< 4,410	4,6-Dinitro-2-methylphenol	ND< 4,410
4-Chloro-3-methylphenol	ND< 1,770	Benzoic acid	ND< 4,410

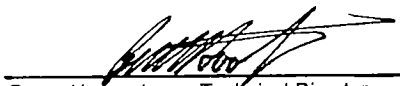
ELAP Number 10958

Method: EPA 8270C

Data File: 8828.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Blasland Bouck & Lee**

Lab Project No. 02-2397

Lab Sample No. 8639

Client Job Site: **EnviroNtek II Site IRM**

Sample Type: Soil

Client Job No.: 580.02.082

Date Sampled: 9/16/02

Field Location: **Boring A Comp (0'-6')**

Date Received: 9/19/02

Field ID No.: N/A

Laboratory Report for TAL Metals Analysis in Soil

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/26/02	SW846 6010	14700
Antimony	09/26/02	SW846 6010	<14.7
Arsenic	09/26/02	SW846 6010	14.0
Barium	09/26/02	SW846 6010	239
Beryllium	09/26/02	SW846 6010	<1.23
Cadmium	09/26/02	SW846 6010	4.61
Calcium	09/26/02	SW846 6010	88400
Chromium	09/26/02	SW846 6010	31.3
Cobalt	09/26/02	SW846 6010	6.43
Copper	09/26/02	SW846 6010	100
Iron	09/26/02	SW846 6010	80300
Lead	09/26/02	SW846 6010	218
Magnesium	09/26/02	SW846 6010	13600
Manganese	09/26/02	SW846 6010	1490
Mercury	09/26/02	SW846 7471	<0.103
Nickel	09/26/02	SW846 6010	35.6
Potassium	09/26/02	SW846 6010	1090
Selenium	09/26/02	SW846 6010	<1.23
Silver	09/26/02	SW846 6010	<2.45
Sodium	09/26/02	SW846 6010	419
Thallium	09/26/02	SW846 6010	4.57
Vanadium	09/26/02	SW846 6010	16.9
Zinc	09/26/02	SW846 6010	361

ELAP ID No.: 10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID: 022397.xls

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Blasland, Bouck & Lee, Inc**

Client Job Site: Envirotek II Site
IRM
Client Job Number: 580.02.082
Field Location: Boring B Comp
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2397
Lab Sample Number: 8640
Date Sampled: 09/16/2002
Date Received: 09/19/2002
Date Analyzed: 09/24/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.83
Bromomethane	ND< 7.83
Bromoform	ND< 7.83
Carbon tetrachloride	ND< 7.83
Chloroethane	ND< 7.83
Chloromethane	ND< 7.83
2-Chloroethyl vinyl ether	ND< 7.83
Chloroform	ND< 7.83
Dibromochloromethane	ND< 7.83
1,1-Dichloroethane	ND< 7.83
1,2-Dichloroethane	ND< 7.83
1,1-Dichloroethene	ND< 7.83
cis-1,2-Dichloroethene	44.4
trans-1,2-Dichloroethene	ND< 7.83
1,2-Dichloropropane	ND< 7.83
cis-1,3-Dichloropropene	ND< 7.83
trans-1,3-Dichloropropene	ND< 7.83
Methylene chloride	ND< 19.6
1,1,2,2-Tetrachloroethane	ND< 7.83
Tetrachloroethene	35.2
1,1,1-Trichloroethane	ND< 7.83
1,1,2-Trichloroethane	ND< 7.83
Trichloroethene	51.1
Trichlorofluoromethane	ND< 7.83
Vinyl Chloride	ND< 7.83

Aromatics	Results in ug / Kg
Benzene	ND< 7.83
Chlorobenzene	ND< 7.83
Ethylbenzene	ND< 7.83
Toluene	ND< 7.83
m,p - Xylene	ND< 7.83
o - Xylene	ND< 7.83
Styrene	ND< 7.83
1,2-Dichlorobenzene	ND< 7.83
1,3-Dichlorobenzene	ND< 7.83
1,4-Dichlorobenzene	ND< 7.83

Ketones	Results in ug / Kg
Acetone	ND< 39.1
2-Butanone	ND< 19.6
2-Hexanone	ND< 19.6
4-Methyl-2-pentanone	ND< 19.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 19.6
Vinyl acetate	ND< 19.6

ELAP Number 10958

Method: EPA 8260B

Data File: 61864.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Blasland, Bouck & Lee, Inc

Client Job Site: Envirotek II Site
IRM
Client Job Number: 580.02.082
Field Location: Boring B Comp
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2397
Lab Sample Number: 8640
Date Sampled: 09/16/2002
Date Received: 09/19/2002
Date Analyzed: 09/25/2002

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 1,510	Dibenz (a,h) anthracene	ND< 1,510
Anthracene	ND< 1,510	Fluoranthene	ND< 1,510
Benzo (a) anthracene	ND< 1,510	Fluorene	ND< 1,510
Benzo (a) pyrene	ND< 1,510	Indeno (1,2,3-cd) pyrene	ND< 1,510
Benzo (b) fluoranthene	ND< 1,510	Naphthalene	ND< 1,510
Benzo (g,h,i) perylene	ND< 1,510	Phenanthrene	ND< 1,510
Benzo (k) fluoranthene	ND< 1,510	Pyrene	ND< 1,510
Chrysene	ND< 1,510	Acenaphthylene	ND< 1,510
Diethyl phthalate	ND< 1,510	1,2-Dichlorobenzene	ND< 1,510
Dimethyl phthalate	ND< 3,780	1,3-Dichlorobenzene	ND< 1,510
Butylbenzylphthalate	ND< 1,510	1,4-Dichlorobenzene	ND< 1,510
Di-n-butyl phthalate	ND< 1,510	1,2,4-Trichlorobenzene	ND< 1,510
Di-n-octylphthalate	ND< 1,510	Nitrobenzene	ND< 1,510
Bis (2-ethylhexyl) phthalate	ND< 1,510	2,4-Dinitrotoluene	ND< 1,510
2-Chloronaphthalene	ND< 1,510	2,6-Dinitrotoluene	ND< 1,510
Hexachlorobenzene	ND< 1,510	Bis (2-chloroethyl) ether	ND< 1,510
Hexachloroethane	ND< 1,510	Bis (2-chloroisopropyl) ether	ND< 1,510
Hexachlorocyclopentadiene	ND< 1,510	Bis (2-chloroethoxy) methane	ND< 1,510
Hexachlorobutadiene	ND< 1,510	4-Bromophenyl phenyl ether	ND< 1,510
N-Nitroso-di-n-propylamine	ND< 1,510	4-Chlorophenyl phenyl ether	ND< 1,510
N-Nitrosodiphenylamine	ND< 1,510	Benzidine	ND< 3,780
N-Nitrosodimethylamine	ND< 1,510	3,3'-Dichlorobenzidine	ND< 1,510
Isophorone	ND< 1,510	4-Chloroaniline	ND< 1,510
Benzyl alcohol	ND< 3,780	2-Nitroaniline	ND< 3,780
Dibenzofuran	ND< 1,510	3-Nitroaniline	ND< 3,780
2-Methylnaphthalene	ND< 1,510	4-Nitroaniline	ND< 3,780

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 1,510	2-Methylphenol	ND< 1,510
2-Chlorophenol	ND< 1,510	4-Methylphenol	ND< 1,510
2,4-Dichlorophenol	ND< 1,510	2,4-Dimethylphenol	ND< 1,510
2,6-Dichlorophenol	ND< 1,510	2-Nitrophenol	ND< 1,510
2,4,5-Trichlorophenol	ND< 3,780	4-Nitrophenol	ND< 3,780
2,4,6-Trichlorophenol	ND< 1,510	2,4-Dinitrophenol	ND< 1,510
Pentachlorophenol	ND< 3,780	4,6-Dinitro-2-methylphenol	ND< 3,780
4-Chloro-3-methylphenol	ND< 1,510	Benzoic acid	ND< 3,780

ELAP Number 10958

Method: EPA 8270C

Data File: 8829.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
Detection Limit elevated due to non-target compounds

Signature:


Bruce Hoogesteger, Technical Director

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Blasland Bouck & Lee**

Lab Project No. 02-2397

Lab Sample No. 8640

Client Job Site: **Envirotek II Site IRM**Sample Type: **Soil**Client Job No.: **580.02.082**Date Sampled: **9/16/02**Field Location: **Boring B Comp(0'-6)**Date Received: **9/19/02**Field ID No.: **N/A****Laboratory Report for TAL Metals Analysis in Soil**

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/23/02	SW846 6010	10300
Antimony	09/23/02	SW846 6010	<5.89
Arsenic	09/23/02	SW846 6010	17.0
Barium	09/23/02	SW846 6010	553
Beryllium	09/23/02	SW846 6010	0.568
Cadmium	09/23/02	SW846 6010	22.0
Calcium	09/25/02	SW846 6010	67100
Chromium	09/23/02	SW846 6010	65.8
Cobalt	09/23/02	SW846 6010	7.81
Copper	09/23/02	SW846 6010	165
Iron	09/25/02	SW846 6010	121000
Lead	09/23/02	SW846 6010	675
Magnesium	09/23/02	SW846 6010	7090
Manganese	09/25/02	SW846 6010	2350
Mercury	09/26/02	SW846 7471	0.329
Nickel	09/23/02	SW846 6010	28.8
Potassium	09/23/02	SW846 6010	1090
Selenium	09/23/02	SW846 6010	<0.491
Silver	09/23/02	SW846 6010	1.48
Sodium	09/23/02	SW846 6010	297
Thallium	09/23/02	SW846 6010	<0.589
Vanadium	09/23/02	SW846 6010	23.3
Zinc	09/23/02	SW846 6010	525

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID:022397.xls

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Blasland, Bouck & Lee, Inc**

Client Job Site: Envirotek II Site
IRM
Client Job Number: 580.02.082
Field Location: Boring C Comp
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2397
Lab Sample Number: 8641
Date Sampled: 09/16/2002
Date Received: 09/19/2002
Date Analyzed: 09/24/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.60
Bromomethane	ND< 6.60
Bromoform	ND< 6.60
Carbon tetrachloride	ND< 6.60
Chloroethane	ND< 6.60
Chloromethane	ND< 6.60
2-Chloroethyl vinyl ether	ND< 6.60
Chloroform	ND< 6.60
Dibromochloromethane	ND< 6.60
1,1-Dichloroethane	ND< 6.60
1,2-Dichloroethane	ND< 6.60
1,1-Dichloroethene	ND< 6.60
cis-1,2-Dichloroethene	28.0
trans-1,2-Dichloroethene	ND< 6.60
1,2-Dichloropropane	ND< 6.60
cis-1,3-Dichloropropene	ND< 6.60
trans-1,3-Dichloropropene	ND< 6.60
Methylene chloride	ND< 16.5
1,1,2,2-Tetrachloroethane	ND< 6.60
Tetrachloroethene	21.0
1,1,1-Trichloroethane	ND< 6.60
1,1,2-Trichloroethane	ND< 6.60
Trichloroethene	36.1
Trichlorofluoromethane	ND< 6.60
Vinyl Chloride	ND< 6.60

Aromatics	Results in ug / Kg
Benzene	ND< 6.60
Chlorobenzene	ND< 6.60
Ethylbenzene	ND< 6.60
Toluene	ND< 6.60
m,p - Xylene	ND< 6.60
o - Xylene	ND< 6.60
Styrene	ND< 6.60
1,2-Dichlorobenzene	ND< 6.60
1,3-Dichlorobenzene	ND< 6.60
1,4-Dichlorobenzene	ND< 6.60

Ketones	Results in ug / Kg
Acetone	ND< 33.0
2-Butanone	ND< 16.5
2-Hexanone	ND< 16.5
4-Methyl-2-pentanone	ND< 16.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 16.5
Vinyl acetate	ND< 16.5

ELAP Number 10958

Method: EPA 8260B

Data File: 61865.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Blasland, Bouck & Lee, Inc

Client Job Site: Envirotek II Site
 IRM
Client Job Number: 580.02.082
Field Location: Boring C Comp
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2397
Lab Sample Number: 8641
Date Sampled: 09/16/2002
Date Received: 09/19/2002
Date Analyzed: 09/25/2002

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 1,520	Dibenz (a,h) anthracene	ND< 1,520
Anthracene	ND< 1,520	Fluoranthene	ND< 1,520
Benzo (a) anthracene	ND< 1,520	Fluorene	ND< 1,520
Benzo (a) pyrene	ND< 1,520	Indeno (1,2,3-cd) pyrene	ND< 1,520
Benzo (b) fluoranthene	ND< 1,520	Naphthalene	ND< 1,520
Benzo (g,h,i) perylene	ND< 1,520	Phenanthrene	ND< 1,520
Benzo (k) fluoranthene	ND< 1,520	Pyrene	ND< 1,520
Chrysene	ND< 1,520	Acenaphthylene	ND< 1,520
Diethyl phthalate	ND< 1,520	1,2-Dichlorobenzene	ND< 1,520
Dimethyl phthalate	ND< 3,800	1,3-Dichlorobenzene	ND< 1,520
Butylbenzylphthalate	ND< 1,520	1,4-Dichlorobenzene	ND< 1,520
Di-n-butyl phthalate	ND< 1,520	1,2,4-Trichlorobenzene	ND< 1,520
Di-n-octylphthalate	ND< 1,520	Nitrobenzene	ND< 1,520
Bis (2-ethylhexyl) phthalate	ND< 1,520	2,4-Dinitrotoluene	ND< 1,520
2-Chloronaphthalene	ND< 1,520	2,6-Dinitrotoluene	ND< 1,520
Hexachlorobenzene	ND< 1,520	Bis (2-chloroethyl) ether	ND< 1,520
Hexachloroethane	ND< 1,520	Bis (2-chloroisopropyl) ether	ND< 1,520
Hexachlorocyclopentadiene	ND< 1,520	Bis (2-chloroethoxy) methane	ND< 1,520
Hexachlorobutadiene	ND< 1,520	4-Bromophenyl phenyl ether	ND< 1,520
N-Nitroso-di-n-propylamine	ND< 1,520	4-Chlorophenyl phenyl ether	ND< 1,520
N-Nitrosodiphenylamine	ND< 1,520	Benzidine	ND< 3,800
N-Nitrosodimethylamine	ND< 1,520	3,3'-Dichlorobenzidine	ND< 1,520
Isophorone	ND< 1,520	4-Chloroaniline	ND< 1,520
Benzyl alcohol	ND< 3,800	2-Nitroaniline	ND< 3,800
Dibenzofuran	ND< 1,520	3-Nitroaniline	ND< 3,800
2-Methylnaphthalene	ND< 1,520	4-Nitroaniline	ND< 3,800

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 1,520	2-Methylphenol	ND< 1,520
2-Chlorophenol	ND< 1,520	4-Methylphenol	ND< 1,520
2,4-Dichlorophenol	ND< 1,520	2,4-Dimethylphenol	ND< 1,520
2,6-Dichlorophenol	ND< 1,520	2-Nitrophenol	ND< 1,520
2,4,5-Trichlorophenol	ND< 3,800	4-Nitrophenol	ND< 3,800
2,4,6-Trichlorophenol	ND< 1,520	2,4-Dinitrophenol	ND< 1,520
Pentachlorophenol	ND< 3,800	4,6-Dinitro-2-methylphenol	ND< 3,800
4-Chloro-3-methylphenol	ND< 1,520	Benzoic acid	ND< 3,800

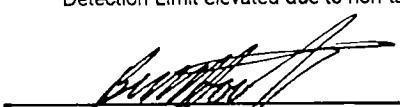
ELAP Number 10958

Method: EPA 8270C

Data File: 8830.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram
 Detection Limit elevated due to non-target hydrocarbons

Signature:


 Bruce Hoogesteger, Technical Director



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Blasland Bouck & Lee**

Lab Project No. 02-2397

Lab Sample No. 8641

Client Job Site: **Environtek II Site IRM**

Sample Type: **Soil**

Client Job No.: **580.02.082**

Date Sampled: **9/16/02**

Field Location: **Boring C Comp(0'-6')**

Date Received: **9/19/02**

Field ID No.: **N/A**

Laboratory Report for TAL Metals Analysis in Soil

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/23/02	SW846 6010	15300
Antimony	09/23/02	SW846 6010	<6.40
Arsenic	09/23/02	SW846 6010	17.1
Barium	09/23/02	SW846 6010	232
Beryllium	09/23/02	SW846 6010	0.849
Cadmium	09/23/02	SW846 6010	4.99
Calcium	09/25/02	SW846 6010	85700
Chromium	09/23/02	SW846 6010	51.7
Cobalt	09/23/02	SW846 6010	7.10
Copper	09/23/02	SW846 6010	101
Iron	09/25/02	SW846 6010	90700
Lead	09/23/02	SW846 6010	401
Magnesium	09/23/02	SW846 6010	9890
Manganese	09/25/02	SW846 6010	2360
Mercury	09/26/02	SW846 7471	<0.087
Nickel	09/23/02	SW846 6010	28.6
Potassium	09/23/02	SW846 6010	2130
Selenium	09/23/02	SW846 6010	1.24
Silver	09/23/02	SW846 6010	1.34
Sodium	09/23/02	SW846 6010	905
Thallium	09/23/02	SW846 6010	<0.640
Vanadium	09/23/02	SW846 6010	29.0
Zinc	09/23/02	SW846 6010	718

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID:022397.xls

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Blasland, Bouck & Lee, Inc**

Client Job Site: Envirotek II Site
IRM
Client Job Number: 580.02.082
Field Location: Boring D Comp
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2397
Lab Sample Number: 8642
Date Sampled: 09/16/2002
Date Received: 09/19/2002
Date Analyzed: 09/24/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.60
Bromomethane	ND< 6.60
Bromoform	ND< 6.60
Carbon tetrachloride	ND< 6.60
Chloroethane	ND< 6.60
Chloromethane	ND< 6.60
2-Chloroethyl vinyl ether	ND< 6.60
Chloroform	ND< 6.60
Dibromochloromethane	ND< 6.60
1,1-Dichloroethane	ND< 6.60
1,2-Dichloroethane	ND< 6.60
1,1-Dichloroethene	ND< 6.60
cis-1,2-Dichloroethene	27.4
trans-1,2-Dichloroethene	ND< 6.60
1,2-Dichloropropane	ND< 6.60
cis-1,3-Dichloropropene	ND< 6.60
trans-1,3-Dichloropropene	ND< 6.60
Methylene chloride	ND< 16.5
1,1,2,2-Tetrachloroethane	ND< 6.60
Tetrachloroethene	12.9
1,1,1-Trichloroethane	ND< 6.60
1,1,2-Trichloroethane	ND< 6.60
Trichloroethene	22.7
Trichlorofluoromethane	ND< 6.60
Vinyl Chloride	ND< 6.60

Aromatics	Results in ug / Kg
Benzene	ND< 6.60
Chlorobenzene	ND< 6.60
Ethylbenzene	ND< 6.60
Toluene	ND< 6.60
m,p - Xylene	ND< 6.60
o - Xylene	ND< 6.60
Styrene	ND< 6.60
1,2-Dichlorobenzene	ND< 6.60
1,3-Dichlorobenzene	ND< 6.60
1,4-Dichlorobenzene	ND< 6.60

Ketones	Results in ug / Kg
Acetone	ND< 33.0
2-Butanone	ND< 16.5
2-Hexanone	ND< 16.5
4-Methyl-2-pentanone	ND< 16.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 16.5
Vinyl acetate	ND< 16.5

ELAP Number 10958

Method: EPA 8260B

Data File: 61866.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Blasland, Bouck & Lee, Inc**

Client Job Site: Envirotek II Site
IRM
Client Job Number: 580.02.082
Field Location: Boring D Comp
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2397
Lab Sample Number: 8642
Date Sampled: 09/16/2002
Date Received: 09/19/2002
Date Analyzed: 09/25/2002

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 1,480	Dibenz (a,h) anthracene	ND< 1,480
Anthracene	ND< 1,480	Fluoranthene	ND< 1,480
Benzo (a) anthracene	ND< 1,480	Fluorene	ND< 1,480
Benzo (a) pyrene	ND< 1,480	Indeno (1,2,3-cd) pyrene	ND< 1,480
Benzo (b) fluoranthene	ND< 1,480	Naphthalene	ND< 1,480
Benzo (g,h,i) perylene	ND< 1,480	Phenanthrene	ND< 1,480
Benzo (k) fluoranthene	ND< 1,480	Pyrene	ND< 1,480
Chrysene	ND< 1,480	Acenaphthylene	ND< 1,480
Diethyl phthalate	ND< 1,480	1,2-Dichlorobenzene	ND< 1,480
Dimethyl phthalate	ND< 3,710	1,3-Dichlorobenzene	ND< 1,480
Butylbenzylphthalate	ND< 1,480	1,4-Dichlorobenzene	ND< 1,480
Di-n-butyl phthalate	ND< 1,480	1,2,4-Trichlorobenzene	ND< 1,480
Di-n-octylphthalate	ND< 1,480	Nitrobenzene	ND< 1,480
Bis (2-ethylhexyl) phthalate	ND< 1,480	2,4-Dinitrotoluene	ND< 1,480
2-Chloronaphthalene	ND< 1,480	2,6-Dinitrotoluene	ND< 1,480
Hexachlorobenzene	ND< 1,480	Bis (2-chloroethyl) ether	ND< 1,480
Hexachloroethane	ND< 1,480	Bis (2-chloroisopropyl) ether	ND< 1,480
Hexachlorocyclopentadiene	ND< 1,480	Bis (2-chloroethoxy) methane	ND< 1,480
Hexachlorobutadiene	ND< 1,480	4-Bromophenyl phenyl ether	ND< 1,480
N-Nitroso-di-n-propylamine	ND< 1,480	4-Chlorophenyl phenyl ether	ND< 1,480
N-Nitrosodiphenylamine	ND< 1,480	Benzidine	ND< 3,710
N-Nitrosodimethylamine	ND< 1,480	3,3'-Dichlorobenzidine	ND< 1,480
Isophorone	ND< 1,480	4-Chloroaniline	ND< 1,480
Benzyl alcohol	ND< 3,710	2-Nitroaniline	ND< 3,710
Dibenzofuran	ND< 1,480	3-Nitroaniline	ND< 3,710
2-Methylnaphthalene	ND< 1,480	4-Nitroaniline	ND< 3,710

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 1,480	2-Methylphenol	ND< 1,480
2-Chlorophenol	ND< 1,480	4-Methylphenol	ND< 1,480
2,4-Dichlorophenol	ND< 1,480	2,4-Dimethylphenol	ND< 1,480
2,6-Dichlorophenol	ND< 1,480	2-Nitrophenol	ND< 1,480
2,4,5-Trichlorophenol	ND< 3,710	4-Nitrophenol	ND< 3,710
2,4,6-Trichlorophenol	ND< 1,480	2,4-Dinitrophenol	ND< 1,480
Pentachlorophenol	ND< 3,710	4,6-Dinitro-2-methylphenol	ND< 3,710
4-Chloro-3-methylphenol	ND< 1,480	Benzoic acid	ND< 3,710

ELAP Number 10958

Method: EPA 8270C

Data File: 8831.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
Detection Limit elevated due to non-target hydrocarbons

Signature:


Bruce Hoogesteger, Technical Director

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Blasland Bouck & Lee**

Lab Project No. 02-2397

Lab Sample No. 8642

Client Job Site: **EnviroNtek II Site IRM**

Sample Type: Soil

Client Job No.: 580.02.082

Date Sampled: 9/16/02

Date Received: 9/19/02

Field Location: **Boring D Comp(0'-6)**

Field ID No.: N/A

Laboratory Report for TAL Metals Analysis in Soil

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/23/02	SW846 6010	12500
Antimony	09/23/02	SW846 6010	<6.33
Arsenic	09/23/02	SW846 6010	16.9
Barium	09/23/02	SW846 6010	226
Beryllium	09/23/02	SW846 6010	0.809
Cadmium	09/23/02	SW846 6010	6.48
Calcium	09/25/02	SW846 6010	80600
Chromium	09/23/02	SW846 6010	43.5
Cobalt	09/23/02	SW846 6010	8.21
Copper	09/23/02	SW846 6010	276
Iron	09/25/02	SW846 6010	119000
Lead	09/23/02	SW846 6010	483
Magnesium	09/23/02	SW846 6010	8270
Manganese	09/25/02	SW846 6010	2160
Mercury	09/26/02	SW846 7471	<0.089
Nickel	09/23/02	SW846 6010	59.0
Potassium	09/23/02	SW846 6010	1430
Selenium	09/23/02	SW846 6010	1.51
Silver	09/23/02	SW846 6010	1.44
Sodium	09/23/02	SW846 6010	403
Thallium	09/23/02	SW846 6010	<0.633
Vanadium	09/23/02	SW846 6010	26.5
Zinc	09/23/02	SW846 6010	521

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID:022397.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

PROJECT NAME/SITE NAME:

ENVIRONMENTAL SITE
IRM

COMPANY: BLAUG, BARKER & COE, INC		COMPANY: SAME		LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: 1400 SWEET HOME ROAD, SUITE 1		ADDRESS:		02-2397	580.02.082
CITY: AMHERST	STATE: NY	ZIP: 14228	CITY:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: (716) 689-1544	FAX: (716) 689-1568	PHONE:	FAX:		
ATTN: MICHAEL M. KUSCIEL		ATTN:		☐ 1 ☐ 2 ☐ 3 ☒ 4 ☐ 5 ☐ 6	
COMMENTS:					

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	TCL VOL	TCL SOL	TAL METALS	PCBS	PESTICIDES	HERBICIDES	REMARKS	PARADIGM LAB SAMPLE NUMBER		
1 9/16/02	1308		X	BORING D (2'-4')	SOIL	1	X	X	X				COMPOSITE 3 DISCRETE SAMPLES FOR ANALYSIS AS INDICATED	81042		
2 ↓	1311			BORING D (4'-6')			X	X	X							
3 9/17/02	1730			BF-1			X	X	X	X	X					
4 ↓	1733			BF-2			X	X	X	X	X		COMPOSITE 5 DISCRETE FOR ANALYSIS AS INDICATED	81043		
5 ↓	1736			BF-3			X	X	X	X	X					
6 ↓	1739			BF-4			X	X	X	X	X					
7 ↓	1742		↓	BF-5	↓	↓	X	X	X	X	X	X				
8																
9																
10																

LAB USE ONLY

SAMPLE CONDITION: Check box
If acceptable or note deviation:

CONTAINER TYPE: ☒

PRESERVATIONS: ☒

HOLDING TIME: ☒

TEMPERATURE: ☐

Sampled By: <i>[Signature]</i>	Date/Time: 9/18/02 @ 1605	Relinquished By: <i>[Signature]</i>	Date/Time: 9/18/02 @ 1605	Total Cost: 600.00
Relinquished By: <i>[Signature]</i>	Date/Time: 09/19/02 1000	Received By: <i>[Signature]</i>	Date/Time: 09/19/02 @ 1605	
Received By: <i>[Signature]</i>	Date/Time: 9-19-02 1000	Received @ Lab By: <i>[Signature]</i>	Date/Time: 9-19-02 1105	P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

COMPANY: <u>BLAND BROS. & LEE, INC.</u>		COMPANY: <u>SAME</u>		LAB PROJECT #: <u>02-2397</u>	CLIENT PROJECT #: <u>580.02.092</u>
ADDRESS: <u>1400 SWEET HOME ROAD, SUITE 1</u>		ADDRESS:		TURNAROUND TIME: (WORKING DAYS)	
CITY: <u>AMHERST</u>	STATE: <u>NY</u>	CITY:	STATE:	ZIP:	
PHONE: <u>(716) 689-1544</u>	FAX: <u>(716) 689-1560</u>	PHONE:	FAX:		
ATTN: <u>DOUGLAS M. KUSCZYK</u>		ATTN:		☐ 1 ☐ 2 ☐ 3 ☒ 4 ☐ 5 ☐ OTHER	
PROJECT NAME/SITE NAME: <u>ENVIROTEL II SITE IRM</u>		COMMENTS:			

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANT	TEL VOL	TEL SVOC	TEL METAL	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/16/02		X	BORING A (0-2')	SOIL	1	X	X	Y	COMPOSITE 3 DISCRETE	
2	1118			BORING A (2'-4')			X	X	Y	SAMPLES FOR ANALYSIS	8639
3	1128			BORING A (4'-6')			X	X	Y	AS INDICATED	
4	1138			BORING B (0-2')			X	X	X	COMPOSITE 3 DISCRETE SAMPLES	
5	1142			BORING B (2'-4')			X	X	X	FOR ANALYSIS AS INDICATED	8640
6	1147			BORING B (4'-6')			X	X	X		
7	1245			BORING C (0-2')			X	X	X	COMPOSITE 3 DISCRETE	
8	1250			BORING C (2'-4')			X	X	X	SAMPLES FOR ANALYSIS	8641
9	1255			BORING C (4'-6')			X	X	X	AS INDICATED	
10	1305			BORING D (0-2')			X	X	Y		

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:	CONTAINER TYPE: ☒	PRESERVATIONS: ☒	HOLDING TIME: ☒	TEMPERATURE: ☐
--	---	--	---	---------------------------------------

Sampled By: <u>Douglas M. Kuszyk</u>	Date/Time: <u>9/13/02 @ 1605</u>	Relinquished By: <u>Douglas M. Kuszyk</u>	Date/Time: <u>9/13/02 @ 1605</u>	Total Cost:
Relinquished By: <u>Shawn P. Kelly</u>	Date/Time: <u>09/18/02 @ 1000</u>	Received By: <u>Shawn P. Kelly</u>	Date/Time: <u>09/18/02 @ 1605</u>	
Received By: <u>[Signature]</u>	Date/Time: <u>9-19-02 1000</u>	Received @ Lab By: <u>[Signature]</u>	Date/Time: <u>9-19-02 1115</u>	P.I.F.

Attachment F

For October 2002 Progress Report

SAME AS
APPENDIX E
IRM WORKPLAN
Nov. 2002

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Blasland, Bouck & Lee, Inc**

Client Job Site: Envirotek II Site
IRM
Client Job Number: 580.02.082
Field Location: BF-1,2,3,4,5 Comp
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2397
Lab Sample Number: 8643
Date Sampled: 09/17/2002
Date Received: 09/19/2002
Date Analyzed: 09/24/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.21
Bromomethane	ND< 6.21
Bromoform	ND< 6.21
Carbon tetrachloride	ND< 6.21
Chloroethane	ND< 6.21
Chloromethane	ND< 6.21
2-Chloroethyl vinyl ether	ND< 6.21
Chloroform	ND< 6.21
Dibromochloromethane	ND< 6.21
1,1-Dichloroethane	ND< 6.21
1,2-Dichloroethane	ND< 6.21
1,1-Dichloroethene	ND< 6.21
cis-1,2-Dichloroethene	ND< 6.21
trans-1,2-Dichloroethene	ND< 6.21
1,2-Dichloropropane	ND< 6.21
cis-1,3-Dichloropropene	ND< 6.21
trans-1,3-Dichloropropene	ND< 6.21
Methylene chloride	ND< 15.5
1,1,2,2-Tetrachloroethane	ND< 6.21
Tetrachloroethene	ND< 6.21
1,1,1-Trichloroethane	ND< 6.21
1,1,2-Trichloroethane	ND< 6.21
Trichloroethene	ND< 6.21
Trichlorofluoromethane	ND< 6.21
Vinyl Chloride	ND< 6.21

Aromatics	Results in ug / Kg
Benzene	ND< 6.21
Chlorobenzene	ND< 6.21
Ethylbenzene	ND< 6.21
Toluene	ND< 6.21
m,p - Xylene	ND< 6.21
o - Xylene	ND< 6.21
Styrene	ND< 6.21
1,2-Dichlorobenzene	ND< 6.21
1,3-Dichlorobenzene	ND< 6.21
1,4-Dichlorobenzene	ND< 6.21

Ketones	Results in ug / Kg
Acetone	ND< 31.1
2-Butanone	ND< 15.5
2-Hexanone	ND< 15.5
4-Methyl-2-pentanone	ND< 15.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 15.5
Vinyl acetate	ND< 15.5

ELAP Number 10958

Method: EPA 8260B

Data File: 61867.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Blasland, Bouck & Lee, Inc**

Client Job Site: Envirotek II Site
 IRM
 Client Job Number: 580.02.082
 Field Location: BF-1,2,3,4,5 Comp
 Field ID Number: N/A
 Sample Type: Soil

Lab Project Number: 02-2397
 Lab Sample Number: 8643
 Date Sampled: 09/17/2002
 Date Received: 09/19/2002
 Date Analyzed: 09/25/2002

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 294	Dibenz (a,h) anthracene	ND< 294
Anthracene	ND< 294	Fluoranthene	ND< 294
Benzo (a) anthracene	ND< 294	Fluorene	ND< 294
Benzo (a) pyrene	ND< 294	Indeno (1,2,3-cd) pyrene	ND< 294
Benzo (b) fluoranthene	ND< 294	Naphthalene	ND< 294
Benzo (g,h,i) perylene	ND< 294	Phenanthrene	ND< 294
Benzo (k) fluoranthene	ND< 294	Pyrene	ND< 294
Chrysene	ND< 294	Acenaphthylene	ND< 294
Diethyl phthalate	ND< 294	1,2-Dichlorobenzene	ND< 294
Dimethyl phthalate	ND< 735	1,3-Dichlorobenzene	ND< 294
Butylbenzylphthalate	ND< 294	1,4-Dichlorobenzene	ND< 294
Di-n-butyl phthalate	ND< 294	1,2,4-Trichlorobenzene	ND< 294
Di-n-octylphthalate	ND< 294	Nitrobenzene	ND< 294
Bis (2-ethylhexyl) phthalate	ND< 294	2,4-Dinitrotoluene	ND< 294
2-Chloronaphthalene	ND< 294	2,6-Dinitrotoluene	ND< 294
Hexachlorobenzene	ND< 294	Bis (2-chloroethyl) ether	ND< 294
Hexachloroethane	ND< 294	Bis (2-chloroisopropyl) ether	ND< 294
Hexachlorocyclopentadiene	ND< 294	Bis (2-chloroethoxy) methane	ND< 294
Hexachlorobutadiene	ND< 294	4-Bromophenyl phenyl ether	ND< 294
N-Nitroso-di-n-propylamine	ND< 294	4-Chlorophenyl phenyl ether	ND< 294
N-Nitrosodiphenylamine	ND< 294	Benzidine	ND< 735
N-Nitrosodimethylamine	ND< 294	3,3'-Dichlorobenzidine	ND< 294
Isophorone	ND< 294	4-Chloroaniline	ND< 294
Benzyl alcohol	ND< 735	2-Nitroaniline	ND< 735
Dibenzofuran	ND< 294	3-Nitroaniline	ND< 735
2-Methylnaphthalene	ND< 294	4-Nitroaniline	ND< 735

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 294	2-Methylphenol	ND< 294
2-Chlorophenol	ND< 294	4-Methylphenol	ND< 294
2,4-Dichlorophenol	ND< 294	2,4-Dimethylphenol	ND< 294
2,6-Dichlorophenol	ND< 294	2-Nitrophenol	ND< 294
2,4,5-Trichlorophenol	ND< 735	4-Nitrophenol	ND< 735
2,4,6-Trichlorophenol	ND< 294	2,4-Dinitrophenol	ND< 294
Pentachlorophenol	ND< 735	4,6-Dinitro-2-methylphenol	ND< 735
4-Chloro-3-methylphenol	ND< 294	Benzoic acid	ND< 735

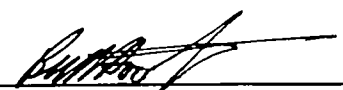
ELAP Number 10958

Method: EPA 8270C

Data File: 8832.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: **Blasland, Bouck & Lee**

Client Job Site: Envirotek II
IRM
Client Job Number: 580.02.082
Field Location: BF-1,2,3,4,5 Comp
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2397
Lab Sample Number: 8643
Date Sampled: 09/17/2002
Date Received: 09/19/2002
Date Analyzed: 09/24/2002

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.468
Aroclor 1221	ND< 0.468
Aroclor 1232	ND< 0.468
Aroclor 1242	ND< 0.468
Aroclor 1248	ND< 0.468
Aroclor 1254	ND< 0.468
Aroclor 1260	ND< 0.468

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: **Blasland, Bouck & Lee, Inc**

Client Job Site: Envirotek II Site
IRM
Client Job Number: 580.02.082
Field Location: BF-1,2,3,4,5 Comp
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2397
Lab Sample Number: 8643
Date Sampled: 09/17/2002
Date Received: 09/19/2002
Date Analyzed: 09/25/2002

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 2.92
alpha-BHC	ND< 2.92
beta-BHC	ND< 2.92
delta-BHC	ND< 2.92
gamma-BHC	ND< 2.92
alpha-Chlordane	ND< 2.92
gamma-Chlordane	ND< 2.92
4,4'-DDD	ND< 2.92
4,4'-DDE	ND< 5.85
4,4'-DDT	ND< 2.92
Dieldrin	ND< 2.92
Endosulfan I	ND< 2.92
Endosulfan II	ND< 2.92
Endosulfan Sulfate	ND< 2.92
Endrin	ND< 2.92
Endrin Aldehyde	ND< 2.92
Heptachlor	ND< 2.92
Heptachlor Epoxide	ND< 2.92
Methoxychlor	ND< 2.92
Toxaphene	ND< 146

ELAP Number 10958

Method: EPA 8081A

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

PARADIGM

Environment 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311
Services, Inc.

Herbicides in Soil

Client: **Blasland, Bouck & Lee**

Lab Project No: 02-2397

Lab Sample No: 8643

Client Job Site: Envirotek II Site IRM

Sample Type: Soil

Client Job No: N/A

Date Sampled: 09/17/2002

Field Location: Comp BF 1-5

Date Received: 09/19/2002

Field ID No: N/A

Date Analyzed: 09/25/2002

Parameter	Result ug/g	Reporting Limit ug/g
2,4-D	ND	<0.2
2,4,5-T	ND	<0.2
2,4, 5-TP (Silvex)	ND	<0.2

Analytical Method: EPA 8151

ELAP ID. No.: 10709

Comments: ND denotes Not Detected

Approved By: _____

Laboratory Director

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Blasland Bouck & Lee**

Lab Project No. 02-2397

Client Job Site: Environtek II Site IRM

Lab Sample No. 8643

Client Job No.: 580.02.082

Sample Type: Soil

Field Location: Comp BF 1-5

Date Sampled: 9/17/02

Field ID No.: N/A

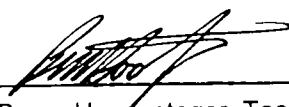
Date Received: 9/19/02

Laboratory Report for TAL Metals Analysis in Soil

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/23/02	SW846 6010	2380
Antimony	09/23/02	SW846 6010	<5.91
Arsenic	09/23/02	SW846 6010	4.60
Barium	09/23/02	SW846 6010	14.4
Beryllium	09/23/02	SW846 6010	<0.493
Cadmium	09/23/02	SW846 6010	0.903
Calcium	09/25/02	SW846 6010	171000
Chromium	09/23/02	SW846 6010	1.37
Cobalt	09/23/02	SW846 6010	1.60
Copper	09/23/02	SW846 6010	3.11
Iron	09/25/02	SW846 6010	7420
Lead	09/23/02	SW846 6010	64.2
Magnesium	09/25/02	SW846 6010	92600
Manganese	09/23/02	SW846 6010	575
Mercury	09/26/02	SW846 7471	<0.087
Nickel	09/23/02	SW846 6010	<3.93
Potassium	09/23/02	SW846 6010	1630
Selenium	09/23/02	SW846 6010	<0.493
Silver	09/23/02	SW846 6010	<0.984
Sodium	09/23/02	SW846 6010	246
Thallium	09/23/02	SW846 6010	2.33
Vanadium	09/23/02	SW846 6010	5.56
Zinc	09/23/02	SW846 6010	204

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID:022397.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

COMPANY: BLAZAR, BARRY ELLER, INC.		COMPANY: SAME		LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: 1400 SWEET HOME ROAD, SUITE 1		ADDRESS:		02-2397	580.02.082
CITY: AMHERST	STATE: NY	ZIP: 14228	CITY:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: (716) 689-1544	FAX: (716) 689-1568	PHONE:	FAX:	STD ☒ OTHER ☐	
ATTN: MICHAEL M. KUSCZAK		ATTN:		1 ☐ 2 ☐ 3 ☐ 4 ☒ 5 ☐ 6 ☐	
PROJECT NAME/SITE NAME: ENVIRONMENTAL II SITE 1RM					
COMMENTS:					

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER	TC-VOL	TC-SOL	TC-METALS	PCBS	PESTICIDES	HERBICIDES	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 9/16/02	1308		X	BORING D (2'-4')	SOIL	1	X	X	X				COMPOSITE 3 DISCARD SAMPLES FOR ANALYSIS AS INDICATED	81042
2	1311			BORING D (4'-6')			X	X	X					
3 9/17/02	1730			BF-1			X	X	X	X	X		COMPOSITE 5 DISCARD FOR ANALYSIS AS INDICATED	8643
4	1733			BF-2			X	X	X	X	X			
5	1736			BF-3			X	X	X	X	X			
6	1739			BF-4			X	X	X	X	X			
7	1742			BF-5			X	X	X	X	X			
8														
9														
10														

****LAB USE ONLY****

SAMPLE CONDITION: Check box If acceptable or note deviation:	CONTAINER TYPE: ☒	PRESERVATIONS: ☒	HOLDING TIME: ☒	TEMPERATURE: ☐
---	---	--	---	---------------------------------------

Sampled By: <i>Michael M. Kuszak</i>	Date/Time: <i>9/18/02 @ 1605</i>	Relinquished By: <i>Michael M. Kuszak</i>	Date/Time: <i>9/18/02 @ 1605</i>	Total Cost: <i>6.00 USD</i>
Relinquished By: <i>John J. Kelly</i>	Date/Time: <i>09/19/02 1000</i>	Received By: <i>John J. Kelly</i>	Date/Time: <i>09/18/02 @ 1605</i>	
Received By: <i>John J. Kelly</i>	Date/Time: <i>9-19-02 1000</i>	Received @ Lab By: <i>John J. Kelly</i>	Date/Time: <i>9-19-02 1105</i>	P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

PROJECT NAME/SITE NAME:
ENVIROTEK II SITE
IRM

COMPANY: BACARD BROS & CO, INC	COMPANY: SAME	LAB PROJECT #: 02-2397	CLIENT PROJECT #: 530.02.092
ADDRESS: 1400 SWEET HOME ROAD, SUITE 1	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)	
CITY: AMHERST	STATE: NY	ZIP: 14228	
PHONE: (716) 689-1544	FAX: (716) 689-1560		
ATTN: DOUGLAS M. KUSCZYK	ATTN:	☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐ OTHER	
COMMENTS:			

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINERS	TOL. VOLS	TOL. SVCS	TOL. METALS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 9/16/02	1058		X	BORING A (0-2')	SOIL	1	X	X	X	COMPOSITE 3 DISCRETE	
2	1118			BORING A (2-4')			X	X	X	SAMPLES FOR ANALYSIS	8639
3	1128			BORING A (4-6')			X	X	X	AS INDICATED	
4	1138			BORING B (0-2')			X	X	X	COMPOSITE 3 DISCRETE SAMPLES	
5	1142			BORING B (2-4')			X	X	X	FOR ANALYSIS AS INDICATED	8640
6	1147			BORING B (4-6')			X	X	X		
7	1245			BORING C (0-2')			X	X	X	COMPOSITE 3 DISCRETE	
8	1250			BORING C (2-4')			X	X	X	SAMPLES FOR ANALYSIS	8641
9	1255			BORING C (4-6')			X	X	X	AS INDICATED	
10	1305			BORING D (0-2')			X	X	X		

LAB USE ONLY

SAMPLE CONDITION: Check box If acceptable or note deviation:	CONTAINER TYPE: ☒	PRESERVATIONS: ☒	HOLDING TIME: ☒	TEMPERATURE: ☐
---	---	--	---	---------------------------------------

Sampled By: <i>Wanda M. Kuzczyk</i>	Date/Time: 9/13/02 @ 1605	Relinquished By: <i>Wanda M. Kuzczyk</i>	Date/Time: 9/13/02 @ 1605	Total Cost:
Relinquished By: <i>Shawn P. Kelly</i>	Date/Time: 9/17/02 @ 1000	Received By: <i>Shawn P. Kelly</i>	Date/Time: 9/17/02 @ 1605	
Received By: <i>Wanda M. Kuzczyk</i>	Date/Time: 9-19-02 1000	Received @ Lab By: <i>Jane J. Kelly</i>	Date/Time: 9-19-02 1105	P.I.F.